

## **DATA PACKAGE**

GENERAL CHEMISTRY  
METALS  
SEMI-VOLATILE ORGANICS  
VOLATILE ORGANICS

**PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221**

**JACOBS ENGINEERING GROUP, INC.**

**412 Mt. Kemble Ave**

**Downtown Building**

**Morristown, NJ - 07960**

**Phone No: 9732670555**

**ORDER ID : Q2250**

**ATTENTION : John Ynfante**



**Laboratory Certification ID # 20012**



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

Laboratory Name : Alliance Technical Group LLCClient : JACOBS Engineering Group, Inc.Project Location : Princeton JunctionProject Number : D3868221Laboratory Sample ID(s) : Q2250Sampling Date(s) : 06/05/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra)

**,6020B,7470A,8260D,8270-Modified,9056A,SM2320 B,SM2540 C,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? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1A | Were the method specified handling, preservation, and holding time requirements met?                                                                                                                                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 1B | EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)                                                                                                                                                                             | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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)?                                                                                                                                                           | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 3  | Were samples received at an appropriate temperature (4±2° C)?                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A                                                                            |
| 4  | Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?                                                                                                                                                                                                                 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |
| 5  | a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?<br><br>b)Were these reporting limits met?                                                                                                                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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?                                                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                         |
| 7  | Are project-specific matrix spikes and/or laboratory duplicates included in this data set?                                                                                                                                                                                                          | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                                                                                         |

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

## Cover Page

**Order ID :** Q2250

**Project ID :** Former Schlumberger STC PTC Site D3868221

**Client :** JACOBS Engineering Group, Inc.

### Lab Sample Number

Q2250-01  
Q2250-02  
Q2250-03  
Q2250-04  
Q2250-05  
Q2250-06  
Q2250-07

### Client Sample Number

MW-11A-13.5-060525  
MW-11A-13.5-060525MS  
MW-11A-13.5-060525MSD  
MW-06-6.5-060525  
EB02-060525  
TB-01-060525  
EB02-060525

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

Signature : \_\_\_\_\_

Date: 6/18/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2250**

**Test Name: VOCMS Group3**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 06/05/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS and VOCMS Group3. This data package contains results for VOCMS Group3.

### **C. Analytical Techniques:**

The analysis performed on instrument MSVOA\_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. The analysis of VOCMS Group3 was based on method 8260D.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q2250-02MS} with File ID: VN086922.D recoveries met the requirements for all compounds except for cis-1,2-Dichloroethene[2100%] and Trichloroethene[3000%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The MSD {Q2250-03MSD} with File ID: VN086923.D recoveries met the acceptable requirements except for cis-1,2-Dichloroethene[2500%] and Trichloroethene[3800%] these compounds did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD for {Q2250-03MSD} with File ID: VN086923.D met criteria except for Trichloroethene[24%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all samples.

The Blank Spike Duplicate met requirements for all samples.

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



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Phone: 908 789 8900 Fax: 908 789 8922

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

Sample MW-11A-13.5-060525 was diluted due to high concentration.

**E. Additional Comments:**

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

**F. Manual Integration Comments:**

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

---

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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2250**

**Test Name: SVOC-SIMGroup1**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 06/05/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS and VOCMS Group3. This data package contains results for SVOC-SIMGroup1.

### **C. Analytical Techniques:**

The samples were analyzed on instrument BNA\_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for MW-06-6.5-060525 [Terphenyl-d14 - 136%] and EB02-060525 [Terphenyl-d14 - 137%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q2250-02MS} with File ID: BN037192.D recoveries met the requirements for all compounds except for 1,4-Dioxane[167%] . This compound did not meet the NJDKQP criteria but met the in-house criteria.

The MSD {Q2250-03MSD} with File ID: BN037193.D recoveries met the acceptable requirements except for 1,4-Dioxane[200%] . This compound did not meet the NJDKQP criteria and in-house criteria due to matrix interference.

The RPD met criteria.

The Blank Spike met requirements for all samples.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

**E. Additional Comments:**

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

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

**F. Manual Integration Comments:**

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

---

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Signature\_\_\_\_\_

## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2250**

**Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 06/05/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS and VOCMS Group3. This data package contains results for Dissolved ICP-Group2,Mercury,Metals ICP-TAL.

### **C. Analytical Techniques:**

The analysis of Dissolved ICP-Group2,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate (MW-17B-55-060425DUP) analysis met criteria for all elements except for Arsenic due to sample matrix interference.

The Matrix Spike (MW-17B-55-060425MS) analysis met criteria for all elements except for Arsenic and Silver due to Chemical Interference during Digestion Process. The Matrix Spike (TW-WTS-10MS) analysis met criteria for all elements except for Mercury due to sample matrix interference.

The Matrix Spike Duplicate (MW-17B-55-060425MSD) analysis met criteria for all elements except for Arsenic and Silver due to Chemical Interference during Digestion Process. The Matrix Spike Duplicate (TW-WTS-10MSD) analysis met criteria for all elements except for Mercury due to sample matrix interference.

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

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

### **E. Additional Comments:**

The Post Digest Spike (MW-17B-55-060425A) analysis met criteria for all samples except for Arsenic and Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis , matrix has suppression effect during addition of spike.



Sample Q2250-05 analyze as Total Metal and Sample Q2250-07 analyze as Dissolved Metal.

Collision cell is being used to remove potential interference. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.

---

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## **CASE NARRATIVE**

**JACOBS Engineering Group, Inc.**

**Project Name: Former Schlumberger STC PTC Site D3868221**

**Project # N/A**

**Order ID # Q2250**

**Test Name: Alkalinity,Anions Group1,TDS**

### **A. Number of Samples and Date of Receipt:**

7 Water samples were received on 06/05/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS and VOCMS Group3. This data package contains results for Alkalinity,Anions Group1,TDS.

### **C. Analytical Techniques:**

The analysis of Anions Group1 was based on method 9056A, The analysis of Alkalinity was based on method SM2320 B and The analysis of TDS was based on method SM2540 C.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike analysis met criteria for all samples.

The Matrix Spike Duplicate analysis met criteria for all samples.

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

The Calibration met the requirements.

### **E. Additional Comments:**

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Signature\_\_\_\_\_

## DATA REPORTING QUALIFIERS- INORGANIC

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

|           |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>J</b>  | 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).                                                                                                                                                                                  |
| <b>U</b>  | Indicates the analyte was analyzed for, but not detected.                                                                                                                                                                                                                                                                                                                     |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                      |
| <b>E</b>  | Indicates the reported value is estimated because of the presence of interference                                                                                                                                                                                                                                                                                             |
| <b>M</b>  | Indicates Duplicate injection precision not met.                                                                                                                                                                                                                                                                                                                              |
| <b>N</b>  | Indicates the spiked sample recovery is not within control limits.                                                                                                                                                                                                                                                                                                            |
| <b>S</b>  | Indicates the reported value was determined by the Method of Standard Addition (MSA).                                                                                                                                                                                                                                                                                         |
| <b>*</b>  | Indicates that the duplicate analysis is not within control limits.                                                                                                                                                                                                                                                                                                           |
| <b>+</b>  | Indicates the correlation coefficient for the MSA is less than 0.995.                                                                                                                                                                                                                                                                                                         |
| <b>D</b>  | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.                                                                                                                                                                                                                                       |
| <b>M</b>  | 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 |
| <b>OR</b> | Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                              |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                |
| <b>H</b>  | Sample Analysis Out Of Hold Time                                                                                                                                                                                                                                                                                                                                              |



## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>U</b>  | 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.                                                                                                                                                                                                                                                                                      |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>J</b>  | Indicates an estimated value. This flag is used: <ul style="list-style-type: none"> <li>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)</li> <li>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.</li> </ul> |
| <b>B</b>  | Indicates the analyte was found in the blank as well as the sample report as “12 B”.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>E</b>  | Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>D</b>  | This flag identifies all compounds identified in an analysis at a secondary dilution factor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>P</b>  | 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”.                                                                                                                                                                                                                                                                                                                                                                             |
| <b>N</b>  | 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.                                                                                                                                                                                                                                                                       |
| <b>A</b>  | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2250

Completed

For thorough review, the report must have the following:

#### GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

#### COVER PAGE:

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

✓

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

✓

#### CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 06/18/2025

### Hit Summary Sheet SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

| Sample ID                              | Client ID        | Matrix | Parameter              | Concentration | C  | MDL   | RDL  | Units |
|----------------------------------------|------------------|--------|------------------------|---------------|----|-------|------|-------|
| <b>Client ID: MW-11A-13.5-060525</b>   |                  |        |                        |               |    |       |      |       |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | Vinyl Chloride         | 5.00          |    | 0.26  | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | 1,1-Dichloroethene     | 4.20          |    | 0.23  | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | 1,1-Dichloroethane     | 2.80          |    | 0.23  | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | cis-1,2-Dichloroethene | 850           | E  | 0.19  | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | Benzene                | 0.42          | J  | 0.15  | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | Trichloroethene        | 1400          | E  | 0.090 | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | 1,1,2-Trichloroethane  | 0.50          | J  | 0.21  | 1.00 | ug/L  |
| Q2250-01                               | MW-11A-13.5-0605 | Water  | Tetrachloroethene      | 9.40          |    | 0.23  | 1.00 | ug/L  |
| Total Voc :                            |                  |        |                        | 2270          |    |       |      |       |
| Total Concentration:                   |                  |        |                        | 2270          |    |       |      |       |
| <b>Client ID: MW-11A-13.5-060525DL</b> |                  |        |                        |               |    |       |      |       |
| Q2250-01DL                             | MW-11A-13.5-0605 | Water  | Vinyl Chloride         | 6.60          | JD | 5.20  | 20.0 | ug/L  |
| Q2250-01DL                             | MW-11A-13.5-0605 | Water  | cis-1,2-Dichloroethene | 1000          | D  | 3.80  | 20.0 | ug/L  |
| Q2250-01DL                             | MW-11A-13.5-0605 | Water  | Trichloroethene        | 1700          | D  | 1.90  | 20.0 | ug/L  |
| Q2250-01DL                             | MW-11A-13.5-0605 | Water  | Tetrachloroethene      | 12.2          | JD | 4.60  | 20.0 | ug/L  |
| Total Voc :                            |                  |        |                        | 2720          |    |       |      |       |
| Total Concentration:                   |                  |        |                        | 2720          |    |       |      |       |



# SAMPLE DATA

### Report of Analysis

|                    |                                           |           |                 |              |    |
|--------------------|-------------------------------------------|-----------|-----------------|--------------|----|
| Client:            | JACOBS Engineering Group, Inc.            |           | Date Collected: | 06/05/25     |    |
| Project:           | Former Schlumberger STC PTC Site D3868221 |           | Date Received:  | 06/05/25     |    |
| Client Sample ID:  | MW-11A-13.5-060525                        |           | SDG No.:        | Q2250        |    |
| Lab Sample ID:     | Q2250-01                                  |           | Matrix:         | Water        |    |
| Analytical Method: | 8260D                                     |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5                                         | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                                           | uL        | Test:           | VOCMS Group3 |    |
| GC Column:         | RXI-624                                   | ID : 0.25 | Level :         | LOW          |    |
| Prep Method :      |                                           |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN086921.D        | 1         |           | 06/10/25 12:30 | VN061025      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 5.00   |           | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 4.20   |           | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 2.80   |           | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 850    | E         | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 0.42   | J         | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22   | U         | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 1400   | E         | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.50   | J         | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 9.40   |           | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 47.8   |           | 70 (74) - 130 (125) | 96%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 49.4   |           | 70 (75) - 130 (124) | 99%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 51.3   |           | 70 (86) - 130 (113) | 103%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.1   |           | 70 (77) - 130 (121) | 100%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 362000 | 8.23      |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 673000 | 9.106     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 593000 | 11.865    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 281000 | 13.788    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



## Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25     |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25     |
| Client Sample ID:  | EB02-060525                               | SDG No.:        | Q2250        |
| Lab Sample ID:     | Q2250-05                                  | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL                       | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624      ID :    0.25                 | Level :         | LOW          |
| Prep Method :      |                                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN086919.D        | 1         |           | 06/10/25 11:47 | VN061025      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 0.26   | U         | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22   | U         | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 0.090  | U         | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21   | U         | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 47.9   |           | 70 (74) - 130 (125) | 96%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 48.8   |           | 70 (75) - 130 (124) | 98%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 51.5   |           | 70 (86) - 130 (113) | 103%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 48.9   |           | 70 (77) - 130 (121) | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 233000 | 8.23      |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 433000 | 9.106     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 381000 | 11.865    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 180000 | 13.788    |                     |            |         |

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25     |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25     |
| Client Sample ID:  | TB-01-060525                              | SDG No.:        | Q2250        |
| Lab Sample ID:     | Q2250-06                                  | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL                       | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624      ID :    0.25                 | Level :         | LOW          |
| Prep Method :      |                                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN086920.D        | 1         |           | 06/10/25 12:08 | VN061025      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 0.26   | U         | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 0.19   | U         | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 0.20   | U         | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 0.15   | U         | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 0.22   | U         | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 0.090  | U         | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 0.21   | U         | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 0.23   | U         | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 47.2   |           | 70 (74) - 130 (125) | 94%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 48.8   |           | 70 (75) - 130 (124) | 98%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 51.1   |           | 70 (86) - 130 (113) | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 49.1   |           | 70 (77) - 130 (121) | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 350000 | 8.23      |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 649000 | 9.106     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 564000 | 11.865    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 266000 | 13.788    |                     |            |         |

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

## Surrogate Summary

SDG No.: **Q2250**

Client: **JACOBS Engineering Group, Inc.**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID             | Parameter             | Spike | Result | RecoveryQual | Limits  |           |
|---------------|-----------------------|-----------------------|-------|--------|--------------|---------|-----------|
|               |                       |                       |       |        |              | Low     | High      |
| Q2250-01      | MW-11A-13.5-060525    | 1,2-Dichloroethane-d4 | 50    | 47.8   | 96           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.4   | 99           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.3   | 103          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 50.0   | 100          | 70 (77) | 130 (121) |
| Q2250-01DL    | MW-11A-13.5-060525DL  | 1,2-Dichloroethane-d4 | 50    | 46.3   | 93           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 48.4   | 97           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.1   | 102          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 49.1   | 98           | 70 (77) | 130 (121) |
| Q2250-02MS    | MW-11A-13.5-060525MS  | 1,2-Dichloroethane-d4 | 50    | 49.9   | 100          | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 52.4   | 105          | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.2   | 102          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 50.9   | 102          | 70 (77) | 130 (121) |
| Q2250-03MSD   | MW-11A-13.5-060525MSD | 1,2-Dichloroethane-d4 | 50    | 52.7   | 105          | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 56.6   | 113          | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 54.8   | 110          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 55.3   | 111          | 70 (77) | 130 (121) |
| Q2250-05      | EB02-060525           | 1,2-Dichloroethane-d4 | 50    | 47.9   | 96           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 48.8   | 98           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.5   | 103          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 48.9   | 98           | 70 (77) | 130 (121) |
| Q2250-06      | TB-01-060525          | 1,2-Dichloroethane-d4 | 50    | 47.2   | 94           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 48.8   | 98           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.1   | 102          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 49.1   | 98           | 70 (77) | 130 (121) |
| VN0610WBL01   | VN0610WBL01           | 1,2-Dichloroethane-d4 | 50    | 46.7   | 93           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.0   | 98           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.5   | 103          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 49.0   | 98           | 70 (77) | 130 (121) |
| VN0610WBS01   | VN0610WBS01           | 1,2-Dichloroethane-d4 | 50    | 45.4   | 91           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.5   | 99           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.6   | 97           | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 48.3   | 97           | 70 (77) | 130 (121) |
| VN0611WBL01   | VN0611WBL01           | 1,2-Dichloroethane-d4 | 50    | 48.3   | 97           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 49.3   | 99           | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 51.7   | 103          | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 49.4   | 99           | 70 (77) | 130 (121) |
| VN0611WBS02   | VN0611WBS02           | 1,2-Dichloroethane-d4 | 50    | 47.1   | 94           | 70 (74) | 130 (125) |
|               |                       | Dibromofluoromethane  | 50    | 51.1   | 102          | 70 (75) | 130 (124) |
|               |                       | Toluene-d8            | 50    | 48.7   | 97           | 70 (86) | 130 (113) |
|               |                       | 4-Bromofluorobenzene  | 50    | 50.0   | 100          | 70 (77) | 130 (121) |

() = LABORATORY INHOUSE LIMIT

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

| Parameter              | Spike      | Sample Result      | Result               | Units | Rec  |      | RPD | RPD Qual | Limits     |            | RPD |
|------------------------|------------|--------------------|----------------------|-------|------|------|-----|----------|------------|------------|-----|
|                        |            |                    |                      |       | Rec  | Qual |     |          | Low        | High       |     |
| Lab Sample ID :        | Q2250-02MS | Client Sample ID : | MW-11A-13.5-060525MS |       |      |      |     |          | Datafile : | VN086922.D |     |
| Vinyl chloride         | 50         | 5.00               | 50.4                 | ug/L  | 91   |      |     |          | 70 (69)    | 130 (125)  |     |
| 1,1-Dichloroethene     | 50         | 4.20               | 47.9                 | ug/L  | 87   |      |     |          | 70 (53)    | 130 (162)  |     |
| 1,1-Dichloroethane     | 50         | 2.80               | 45.2                 | ug/L  | 85   |      |     |          | 70 (78)    | 130 (122)  |     |
| cis-1,2-Dichloroethene | 50         | 850                | 1900                 | ug/L  | 2100 | *    |     |          | 70 (82)    | 130 (124)  |     |
| 1,1,1-Trichloroethane  | 50         | 0                  | 37.2                 | ug/L  | 74   |      |     |          | 70 (83)    | 130 (117)  |     |
| Benzene                | 50         | 0.42               | 39.1                 | ug/L  | 77   |      |     |          | 70 (81)    | 130 (128)  |     |
| 1,2-Dichloroethane     | 50         | 0                  | 39.3                 | ug/L  | 79   |      |     |          | 70 (76)    | 130 (120)  |     |
| Trichloroethene        | 50         | 1400               | 2900                 | ug/L  | 3000 | *    |     |          | 70 (28)    | 130 (175)  |     |
| 1,1,2-Trichloroethane  | 50         | 0.50               | 40.0                 | ug/L  | 79   |      |     |          | 70 (27)    | 130 (175)  |     |
| Tetrachloroethene      | 50         | 9.40               | 57.0                 | ug/L  | 95   |      |     |          | 70 (48)    | 130 (153)  |     |

() = LABORATORY INHOUSE LIMIT

# Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

| Parameter              | Spike       | Sample Result      | Result                | Units | Rec  |      | RPD | Limits     |            | RPD       |
|------------------------|-------------|--------------------|-----------------------|-------|------|------|-----|------------|------------|-----------|
|                        |             |                    |                       |       | Rec  | Qual |     | Qual       | Low        | High      |
| Lab Sample ID :        | Q2250-03MSD | Client Sample ID : | MW-11A-13.5-060525MSD |       |      |      |     | Datafile : | VN086923.D |           |
| Vinyl chloride         | 50          | 5.00               | 57.2                  | ug/L  | 104  |      | 13  |            | 70 (69)    | 130 (125) |
| 1,1-Dichloroethene     | 50          | 4.20               | 53.1                  | ug/L  | 98   |      | 12  |            | 70 (53)    | 130 (162) |
| 1,1-Dichloroethane     | 50          | 2.80               | 49.5                  | ug/L  | 93   |      | 9   |            | 70 (78)    | 130 (122) |
| cis-1,2-Dichloroethene | 50          | 850                | 2100                  | ug/L  | 2500 | *    | 17  |            | 70 (82)    | 130 (124) |
| 1,1,1-Trichloroethane  | 50          | 0                  | 41.4                  | ug/L  | 83   |      | 11  |            | 70 (83)    | 130 (117) |
| Benzene                | 50          | 0.42               | 43.0                  | ug/L  | 85   |      | 10  |            | 70 (81)    | 130 (128) |
| 1,2-Dichloroethane     | 50          | 0                  | 43.1                  | ug/L  | 86   |      | 9   |            | 70 (76)    | 130 (120) |
| Trichloroethene        | 50          | 1400               | 3300                  | ug/L  | 3800 | *    | 24  | *          | 70 (28)    | 130 (175) |
| 1,1,2-Trichloroethane  | 50          | 0.50               | 44.5                  | ug/L  | 88   |      | 11  |            | 70 (27)    | 130 (175) |
| Tetrachloroethene      | 50          | 9.40               | 66.0                  | ug/L  | 113  |      | 17  |            | 70 (48)    | 130 (153) |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VN086916.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VN0610WBS01   | Vinyl chloride         | 20    | 18.0   | ug/L | 90  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 18.7   | ug/L | 94  |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 18.2   | ug/L | 91  |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 18.7   | ug/L | 94  |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 18.1   | ug/L | 91  |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 18.5   | ug/L | 93  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 18.7   | ug/L | 94  |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 19.3   | ug/L | 97  |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 19.5   | ug/L | 98  |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 17.9   | ug/L | 90  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Datafile : VN086944.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits<br>High | RPD |
|---------------|------------------------|-------|--------|------|-----|-----|------|---------|----------------|-----|
| VN0611WBS02   | Vinyl chloride         | 20    | 18.9   | ug/L | 95  |     |      | 70 (65) | 130 (117)      |     |
|               | 1,1-Dichloroethene     | 20    | 19.2   | ug/L | 96  |     |      | 70 (74) | 130 (110)      |     |
|               | 1,1-Dichloroethane     | 20    | 19.4   | ug/L | 97  |     |      | 70 (78) | 130 (112)      |     |
|               | cis-1,2-Dichloroethene | 20    | 19.5   | ug/L | 98  |     |      | 70 (77) | 130 (110)      |     |
|               | 1,1,1-Trichloroethane  | 20    | 19.0   | ug/L | 95  |     |      | 70 (80) | 130 (108)      |     |
|               | Benzene                | 20    | 19.3   | ug/L | 97  |     |      | 70 (82) | 130 (109)      |     |
|               | 1,2-Dichloroethane     | 20    | 19.5   | ug/L | 98  |     |      | 70 (80) | 130 (115)      |     |
|               | Trichloroethene        | 20    | 19.9   | ug/L | 100 |     |      | 70 (77) | 130 (113)      |     |
|               | 1,1,2-Trichloroethane  | 20    | 20.4   | ug/L | 102 |     |      | 70 (83) | 130 (112)      |     |
|               | Tetrachloroethene      | 20    | 19.2   | ug/L | 96  |     |      | 70 (67) | 130 (123)      |     |

() = LABORATORY INHOUSE LIMIT

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0610WBL01

Lab Name: CHEMTECH

Contract: JACO05

Lab Code: CHEM Case No.: Q2250

SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086915.D

Lab Sample ID: VN0610WBL01

Date Analyzed: 06/10/2025

Time Analyzed: 10:09

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<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|
| VN0610WBS01           | VN0610WBS01      | VN086916.D     | 06/10/2025       |
| EB02-060525           | Q2250-05         | VN086919.D     | 06/10/2025       |
| TB-01-060525          | Q2250-06         | VN086920.D     | 06/10/2025       |
| MW-11A-13.5-060525    | Q2250-01         | VN086921.D     | 06/10/2025       |
| MW-11A-13.5-060525MS  | Q2250-02MS       | VN086922.D     | 06/10/2025       |
| MW-11A-13.5-060525MSD | Q2250-03MSD      | VN086923.D     | 06/10/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0611WBL01

Lab Name: CHEMTECH

Contract: JACO05

Lab Code: CHEM Case No.: Q2250

SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086942.D

Lab Sample ID: VN0611WBL01

Date Analyzed: 06/11/2025

Time Analyzed: 12:28

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<br>SAMPLE NO.    | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|----------------------|------------------|----------------|------------------|
| VN0611WBS02          | VN0611WBS02      | VN086944.D     | 06/11/2025       |
| MW-11A-13.5-060525DL | Q2250-01DL       | VN086948.D     | 06/11/2025       |

COMMENTS: \_\_\_\_\_

\_\_\_\_\_



VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
Lab File ID: VN086861.D BFB Injection Date: 06/06/2025  
Instrument ID: MSVOA\_N BFB Injection Time: 07:59  
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            | 17.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 0.7 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 66.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 4.7 ( 7.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 65.3 ( 98.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.4 ( 6.8 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC001         | VSTDIC001        | VN086862.D     | 06/06/2025       | 12:44            |
| VSTDIC005         | VSTDIC005        | VN086863.D     | 06/06/2025       | 13:17            |
| VSTDIC020         | VSTDIC020        | VN086864.D     | 06/06/2025       | 13:40            |
| VSTDIC050         | VSTDIC050        | VN086865.D     | 06/06/2025       | 14:03            |
| VSTDIC100         | VSTDIC100        | VN086866.D     | 06/06/2025       | 14:26            |
| VSTDIC150         | VSTDIC150        | VN086867.D     | 06/06/2025       | 14:49            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
Lab File ID: VN086912.D BFB Injection Date: 06/10/2025  
Instrument ID: MSVOA\_N BFB Injection Time: 08:39  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 47.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7                    |
| 173 | Less than 2.0% of mass 174         | 0.6 ( 0.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 73.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.3 ( 7.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 71.3 ( 97.5 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.9 ( 6.9 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050            | VSTDCCC050       | VN086913.D     | 06/10/2025       | 09:13            |
| VN0610WBL01           | VN0610WBL01      | VN086915.D     | 06/10/2025       | 10:09            |
| VN0610WBS01           | VN0610WBS01      | VN086916.D     | 06/10/2025       | 10:30            |
| EB02-060525           | Q2250-05         | VN086919.D     | 06/10/2025       | 11:47            |
| TB-01-060525          | Q2250-06         | VN086920.D     | 06/10/2025       | 12:08            |
| MW-11A-13.5-060525    | Q2250-01         | VN086921.D     | 06/10/2025       | 12:30            |
| MW-11A-13.5-060525MS  | Q2250-02MS       | VN086922.D     | 06/10/2025       | 12:51            |
| MW-11A-13.5-060525MSD | Q2250-03MSD      | VN086923.D     | 06/10/2025       | 13:12            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
Lab File ID: VN086939.D BFB Injection Date: 06/11/2025  
Instrument ID: MSVOA\_N BFB Injection Time: 10:22  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 15.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 46.5                 |
| 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         | 0.7 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 71.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 68.8 ( 96.8 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO.    | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|----------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050           | VSTDCCC050       | VN086940.D     | 06/11/2025       | 11:32            |
| VN0611WBL01          | VN0611WBL01      | VN086942.D     | 06/11/2025       | 12:28            |
| VN0611WBS02          | VN0611WBS02      | VN086944.D     | 06/11/2025       | 13:27            |
| MW-11A-13.5-060525DL | Q2250-01DL       | VN086948.D     | 06/11/2025       | 15:06            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
Lab File ID: VN086913.D Date Analyzed: 06/10/2025  
Instrument ID: MSVOA\_N Time Analyzed: 09:13  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                       | IS1<br>AREA # | RT # | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|-----------------------|---------------|------|---------------|-------|---------------|--------|
| 12 HOUR STD           | 239452        | 8.23 | 422119        | 9.11  | 362285        | 11.87  |
| UPPER LIMIT           | 478904        | 8.73 | 844238        | 9.606 | 724570        | 12.365 |
| LOWER LIMIT           | 119726        | 7.73 | 211060        | 8.606 | 181143        | 11.365 |
| EPA SAMPLE NO.        |               |      |               |       |               |        |
| MW-11A-13.5-060525    | 361832        | 8.23 | 672514        | 9.11  | 593044        | 11.87  |
| MW-11A-13.5-060525MS  | 174378        | 8.23 | 310932        | 9.11  | 270945        | 11.87  |
| MW-11A-13.5-060525MSD | 172955        | 8.23 | 309901        | 9.11  | 266637        | 11.87  |
| EB02-060525           | 232754        | 8.23 | 433385        | 9.11  | 381245        | 11.87  |
| TB-01-060525          | 350151        | 8.23 | 648560        | 9.11  | 563762        | 11.87  |
| VN0610WBL01           | 241251        | 8.23 | 440901        | 9.11  | 386425        | 11.87  |
| VN0610WBS01           | 249843        | 8.23 | 443174        | 9.11  | 389297        | 11.87  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
Lab File ID: VN086913.D Date Analyzed: 06/10/2025  
Instrument ID: MSVOA\_N Time Analyzed: 09:13  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                       | IS4<br>AREA # | RT #   |  |  |  |  |
|-----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD           | 170987        | 13.788 |  |  |  |  |
| UPPER LIMIT           | 341974        | 14.288 |  |  |  |  |
| LOWER LIMIT           | 85493.5       | 13.288 |  |  |  |  |
| EPA SAMPLE NO.        |               |        |  |  |  |  |
| MW-11A-13.5-060525    | 281220        | 13.79  |  |  |  |  |
| MW-11A-13.5-060525MS  | 132628        | 13.79  |  |  |  |  |
| MW-11A-13.5-060525MSD | 129873        | 13.79  |  |  |  |  |
| EB02-060525           | 180063        | 13.79  |  |  |  |  |
| TB-01-060525          | 266280        | 13.79  |  |  |  |  |
| VN0610WBL01           | 183380        | 13.79  |  |  |  |  |
| VN0610WBS01           | 189620        | 13.79  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
Lab File ID: VN086940.D Date Analyzed: 06/11/2025  
Instrument ID: MSVOA\_N Time Analyzed: 11:32  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                      | IS1<br>AREA # | RT # | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------------|---------------|------|---------------|-------|---------------|--------|
| 12 HOUR STD          | 205098        | 8.23 | 357643        | 9.11  | 312173        | 11.87  |
| UPPER LIMIT          | 410196        | 8.73 | 715286        | 9.606 | 624346        | 12.365 |
| LOWER LIMIT          | 102549        | 7.73 | 178822        | 8.606 | 156087        | 11.365 |
| EPA SAMPLE NO.       |               |      |               |       |               |        |
| MW-11A-13.5-060525DL | 272350        | 8.24 | 500042        | 9.11  | 434591        | 11.87  |
| VN0611WBL01          | 328120        | 8.23 | 618651        | 9.11  | 543433        | 11.87  |
| VN0611WBS02          | 206799        | 8.24 | 370524        | 9.11  | 321188        | 11.87  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05  
 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250  
 Lab File ID: VN086940.D Date Analyzed: 06/11/2025  
 Instrument ID: MSVOA\_N Time Analyzed: 11:32  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                      | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD          | 152136        | 13.788 |  |  |  |  |
| UPPER LIMIT          | 304272        | 14.288 |  |  |  |  |
| LOWER LIMIT          | 76068         | 13.288 |  |  |  |  |
| EPA SAMPLE NO.       |               |        |  |  |  |  |
| MW-11A-13.5-060525DL | 208257        | 13.79  |  |  |  |  |
| VN0611WBL01          | 257257        | 13.79  |  |  |  |  |
| VN0611WBS02          | 157403        | 13.79  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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



# QC SAMPLE DATA







## Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |              |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |              |
| Client Sample ID:  | VN0610WBS01                               | SDG No.:        | Q2250        |
| Lab Sample ID:     | VN0610WBS01                               | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL                       | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624      ID :    0.25                 | Level :         | LOW          |
| Prep Method :      |                                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN086916.D        | 1         |           | 06/10/25 10:30 | VN061025      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 18.0   |           | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 18.7   |           | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 18.2   |           | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 18.7   |           | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 18.1   |           | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 18.5   |           | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 18.7   |           | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 19.3   |           | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 19.5   |           | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 17.9   |           | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 45.4   |           | 70 (74) - 130 (125) | 91%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 49.5   |           | 70 (75) - 130 (124) | 99%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 48.6   |           | 70 (86) - 130 (113) | 97%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 48.3   |           | 70 (77) - 130 (121) | 97%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 250000 | 8.23      |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 443000 | 9.106     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 389000 | 11.865    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 190000 | 13.788    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |              |
|--------------------|-------------------------------------------|-----------------|--------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |              |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |              |
| Client Sample ID:  | VN0611WBS02                               | SDG No.:        | Q2250        |
| Lab Sample ID:     | VN0611WBS02                               | Matrix:         | Water        |
| Analytical Method: | 8260D                                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL                       | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOCMS Group3 |
| GC Column:         | RXI-624      ID :    0.25                 | Level :         | LOW          |
| Prep Method :      |                                           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VN086944.D        | 1         |           | 06/11/25 13:27 | VN061125      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|------------------------|--------|-----------|---------------------|------------|---------|
| <b>TARGETS</b>            |                        |        |           |                     |            |         |
| 75-01-4                   | Vinyl Chloride         | 18.9   |           | 0.26                | 1.00       | ug/L    |
| 75-35-4                   | 1,1-Dichloroethene     | 19.2   |           | 0.23                | 1.00       | ug/L    |
| 75-34-3                   | 1,1-Dichloroethane     | 19.4   |           | 0.23                | 1.00       | ug/L    |
| 156-59-2                  | cis-1,2-Dichloroethene | 19.5   |           | 0.19                | 1.00       | ug/L    |
| 71-55-6                   | 1,1,1-Trichloroethane  | 19.0   |           | 0.20                | 1.00       | ug/L    |
| 71-43-2                   | Benzene                | 19.3   |           | 0.15                | 1.00       | ug/L    |
| 107-06-2                  | 1,2-Dichloroethane     | 19.5   |           | 0.22                | 1.00       | ug/L    |
| 79-01-6                   | Trichloroethene        | 19.9   |           | 0.090               | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane  | 20.4   |           | 0.21                | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene      | 19.2   |           | 0.23                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                        |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4  | 47.1   |           | 70 (74) - 130 (125) | 94%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane   | 51.1   |           | 70 (75) - 130 (124) | 102%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8             | 48.7   |           | 70 (86) - 130 (113) | 97%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene   | 50.0   |           | 70 (77) - 130 (121) | 100%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene     | 207000 | 8.235     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene    | 371000 | 9.106     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5       | 321000 | 11.865    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 157000 | 13.788    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products







# CALIBRATION SUMMARY

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250  
Instrument ID: MSVOA\_N Calibration Date(s): 06/06/2025 06/06/2025  
Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49  
GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:           |        |        |                     |        |        |                     |       |       |
|------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF001 = VN086862.D    |        |        | RRF005 = VN086863.D |        |        | RRF020 = VN086864.D |       |       |
| RRF050 = VN086865.D    |        |        | RRF100 = VN086866.D |        |        | RRF150 = VN086867.D |       |       |
| COMPOUND               | RRF001 | RRF005 | RRF020              | RRF050 | RRF100 | RRF150              | RRF   | % RSD |
| Vinyl Chloride         | 0.670  | 0.670  | 0.684               | 0.640  | 0.673  | 0.648               | 0.664 | 2.5   |
| 1,1-Dichloroethene     | 0.573  | 0.593  | 0.563               | 0.533  | 0.550  | 0.527               | 0.557 | 4.4   |
| 1,1-Dichloroethane     | 1.192  | 1.153  | 1.156               | 1.063  | 1.110  | 1.043               | 1.120 | 5.2   |
| cis-1,2-Dichloroethene | 0.786  | 0.766  | 0.762               | 0.699  | 0.729  | 0.701               | 0.740 | 4.9   |
| 1,1,1-Trichloroethane  | 1.029  | 0.995  | 0.969               | 0.895  | 0.925  | 0.893               | 0.951 | 5.9   |
| Benzene                | 1.588  | 1.501  | 1.444               | 1.345  | 1.414  | 1.371               | 1.444 | 6.2   |
| 1,2-Dichloroethane     | 0.473  | 0.456  | 0.444               | 0.411  | 0.430  | 0.413               | 0.438 | 5.6   |
| Trichloroethene        | 0.359  | 0.360  | 0.341               | 0.327  | 0.340  | 0.328               | 0.342 | 4.2   |
| 1,1,2-Trichloroethane  | 0.359  | 0.355  | 0.342               | 0.322  | 0.335  | 0.323               | 0.340 | 4.7   |
| Tetrachloroethene      | 0.355  | 0.331  | 0.312               | 0.294  | 0.313  | 0.293               | 0.316 | 7.5   |
| 1,2-Dichloroethane-d4  |        | 0.732  | 0.707               | 0.500  | 0.656  | 0.751               | 0.669 | 15.1  |
| Dibromofluoromethane   |        | 0.303  | 0.310               | 0.219  | 0.298  | 0.351               | 0.296 | 16.2  |
| Toluene-d8             |        | 1.245  | 1.203               | 0.861  | 1.178  | 1.377               | 1.173 | 16.2  |
| 4-Bromofluorobenzene   |        | 0.441  | 0.446               | 0.325  | 0.446  | 0.521               | 0.436 | 16.2  |

\* 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.



VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250

Instrument ID: MSVOA\_N Calibration Date/Time: 06/10/2025 09:13

Lab File ID: VN086913.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| Vinyl Chloride         | 0.664 | 0.653  |            | -1.66 | 20    |
| 1,1-Dichloroethene     | 0.557 | 0.548  |            | -1.62 | 20    |
| 1,1-Dichloroethane     | 1.120 | 1.079  | 0.1        | -3.66 | 20    |
| cis-1,2-Dichloroethene | 0.740 | 0.721  |            | -2.57 | 20    |
| 1,1,1-Trichloroethane  | 0.951 | 0.894  |            | -5.99 | 20    |
| Benzene                | 1.444 | 1.400  |            | -3.05 | 20    |
| 1,2-Dichloroethane     | 0.438 | 0.426  |            | -2.74 | 20    |
| Trichloroethene        | 0.342 | 0.345  |            | 0.88  | 20    |
| 1,1,2-Trichloroethane  | 0.340 | 0.338  |            | -0.59 | 20    |
| Tetrachloroethene      | 0.316 | 0.308  |            | -2.53 | 20    |
| 1,2-Dichloroethane-d4  | 0.669 | 0.613  |            | -8.37 | 20    |
| Dibromofluoromethane   | 0.296 | 0.301  |            | 1.69  | 20    |
| Toluene-d8             | 1.173 | 1.153  |            | -1.71 | 20    |
| 4-Bromofluorobenzene   | 0.436 | 0.420  |            | -3.67 | 20    |

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250

Instrument ID: MSVOA\_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

| COMPOUND               | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|------------------------|-------|--------|------------|-------|-------|
| Vinyl Chloride         | 0.664 | 0.701  |            | 5.57  | 20    |
| 1,1-Dichloroethene     | 0.557 | 0.593  |            | 6.46  | 20    |
| 1,1-Dichloroethane     | 1.120 | 1.178  | 0.1        | 5.18  | 20    |
| cis-1,2-Dichloroethene | 0.740 | 0.793  |            | 7.16  | 20    |
| 1,1,1-Trichloroethane  | 0.951 | 0.976  |            | 2.63  | 20    |
| Benzene                | 1.444 | 1.554  |            | 7.55  | 20    |
| 1,2-Dichloroethane     | 0.438 | 0.472  |            | 7.76  | 20    |
| Trichloroethene        | 0.342 | 0.382  |            | 11.7  | 20    |
| 1,1,2-Trichloroethane  | 0.340 | 0.383  |            | 12.65 | 20    |
| Tetrachloroethene      | 0.316 | 0.337  |            | 6.65  | 20    |
| 1,2-Dichloroethane-d4  | 0.669 | 0.622  |            | -7.03 | 20    |
| Dibromofluoromethane   | 0.296 | 0.309  |            | 4.39  | 20    |
| Toluene-d8             | 1.173 | 1.181  |            | 0.68  | 20    |
| 4-Bromofluorobenzene   | 0.436 | 0.440  |            | 0.92  | 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

5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086921.D  
 Acq On : 10 Jun 2025 12:30  
 Operator : JC\MD  
 Sample : Q2250-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525

Quant Time: Jun 11 01:52:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 361832   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 672514   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 593044   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 281220   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.582  | 65    | 231529   | 47.792   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 95.580%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 196952   | 49.417   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.840%  |
| 50) Toluene-d8              | 10.565 | 98    | 809307   | 51.295   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.600% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 293403   | 50.054   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 100.100% |

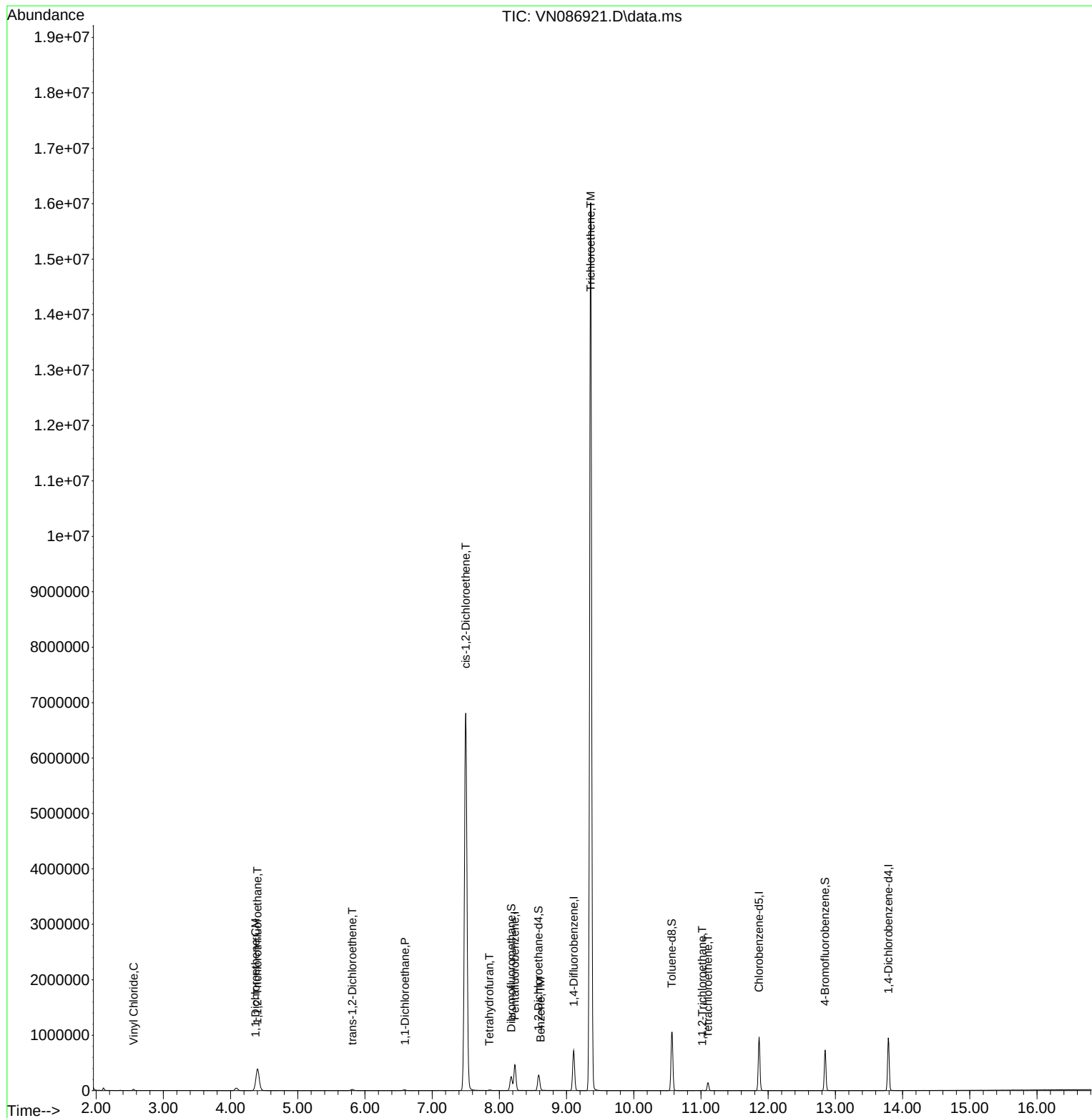
|                              |        |     |         |          |      |        |
|------------------------------|--------|-----|---------|----------|------|--------|
| Target Compounds             |        |     |         |          |      | Qvalue |
| 4) Vinyl Chloride            | 2.559  | 62  | 24226   | 5.041    | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 4.400  | 101 | 302235  | 76.617   | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 4.371  | 96  | 16986   | 4.218    | ug/l | 100    |
| 21) trans-1,2-Dichloroethene | 5.812  | 96  | 16472   | 3.676    | ug/l | 88     |
| 24) 1,1-Dichloroethane       | 6.594  | 63  | 22723   | 2.805    | ug/l | 96     |
| 27) cis-1,2-Dichloroethene   | 7.500  | 96  | 4534458 | 846.190  | ug/l | 90     |
| 29) Tetrahydrofuran          | 7.853  | 42  | 9084    | 3.339    | ug/l | 95     |
| 40) Benzene                  | 8.612  | 78  | 8119    | 0.418    | ug/l | 95     |
| 44) Trichloroethene          | 9.359  | 130 | 6309047 | 1370.098 | ug/l | 98     |
| 55) 1,1,2-Trichloroethane    | 11.018 | 97  | 2269    | 0.497    | ug/l | 95     |
| 64) Tetrachloroethene        | 11.106 | 164 | 35442   | 9.443    | ug/l | 96     |

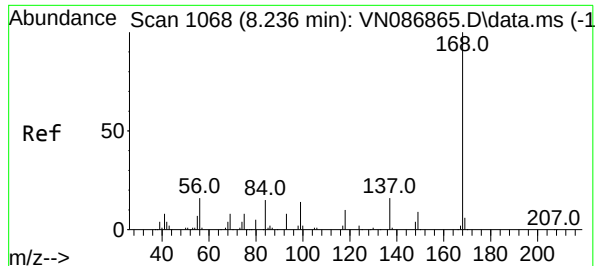
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086921.D  
Acq On : 10 Jun 2025 12:30  
Operator : JC\MD  
Sample : Q2250-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525

Quant Time: Jun 11 01:52:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

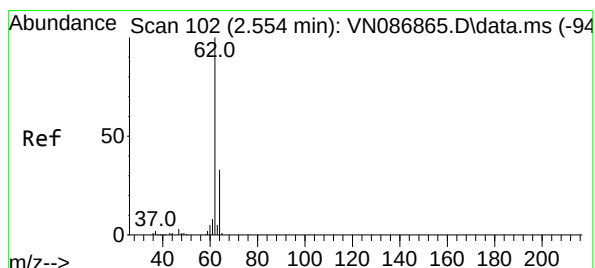
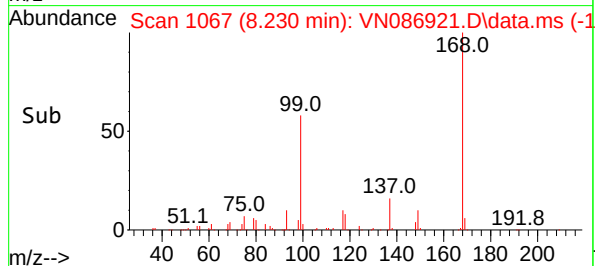
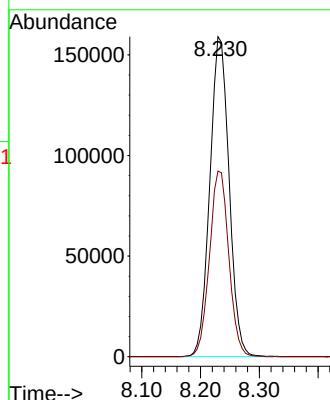
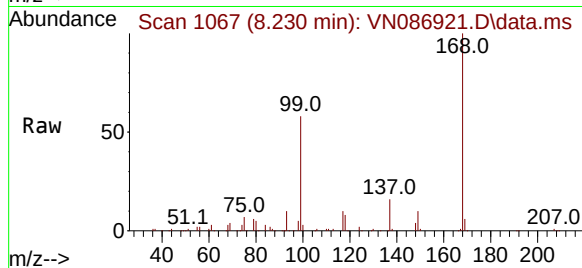




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

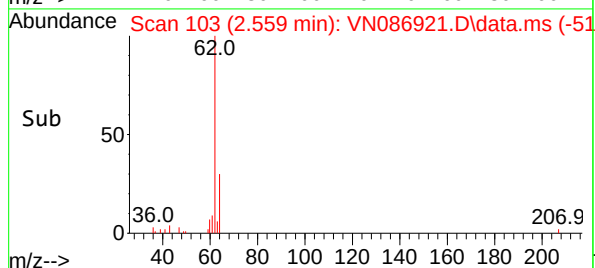
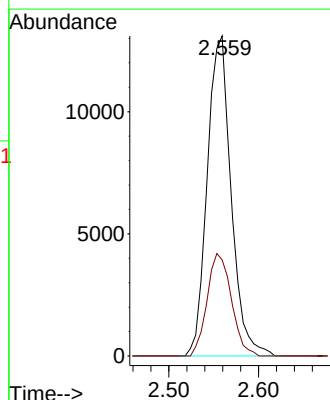
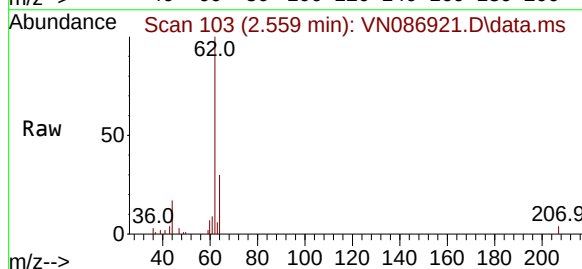
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525

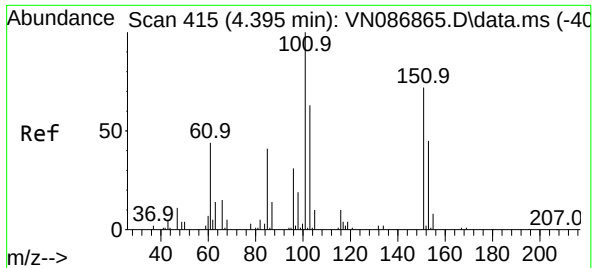
Tgt Ion:168 Resp: 361832  
Ion Ratio Lower Upper  
168 100  
99 58.0 49.1 73.7



#4  
Vinyl Chloride  
Concen: 5.041 ug/l  
RT: 2.559 min Scan# 103  
Delta R.T. 0.006 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

Tgt Ion: 62 Resp: 24226  
Ion Ratio Lower Upper  
62 100  
64 30.0 26.0 39.0

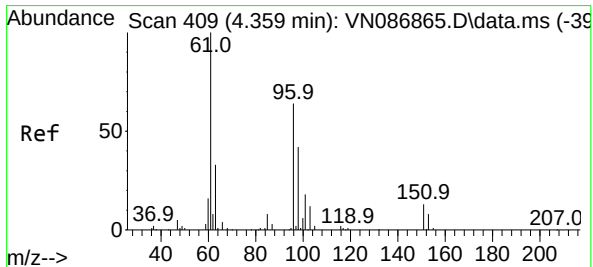
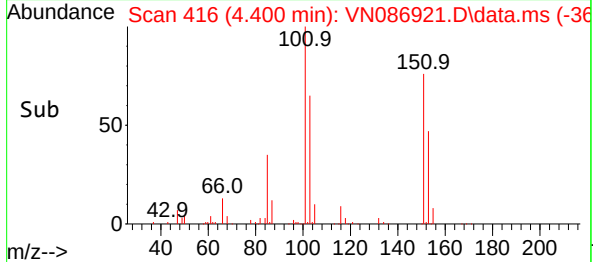
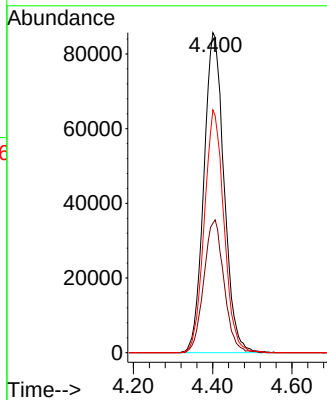
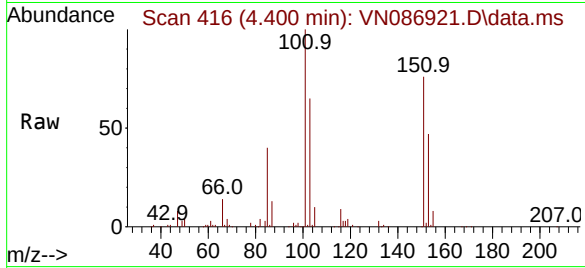




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 76.617 ug/l  
RT: 4.400 min Scan# 415  
Delta R.T. 0.006 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

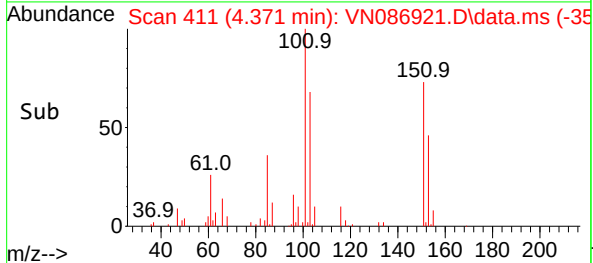
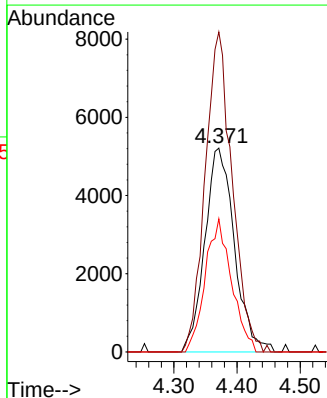
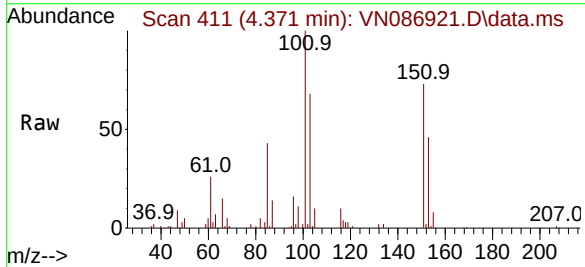
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525

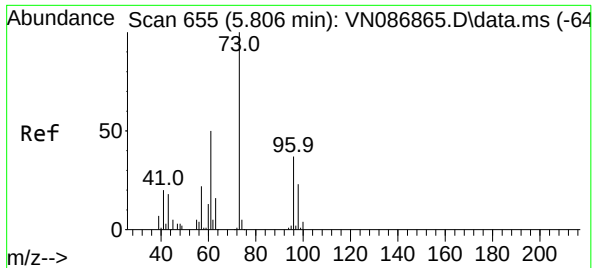
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 41.6  | 33.8  | 50.8  |
| 151     | 74.1  | 58.7  | 88.1  |



#12  
1,1-Dichloroethene  
Concen: 4.218 ug/l  
RT: 4.371 min Scan# 411  
Delta R.T. 0.012 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

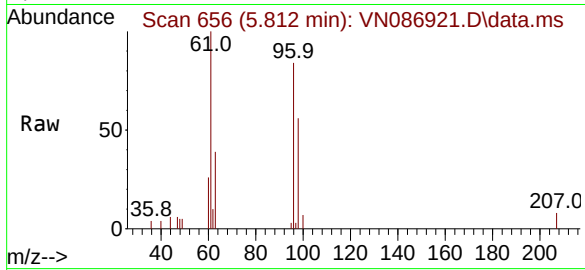
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 157.0 | 125.8 | 188.6 |
| 98      | 65.3  | 52.5  | 78.7  |



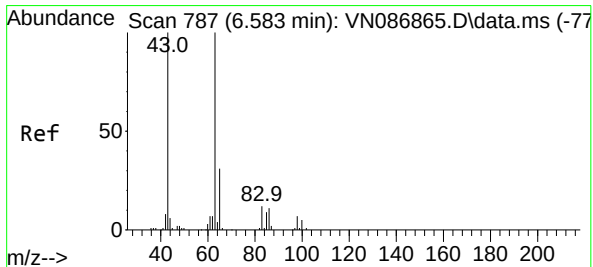
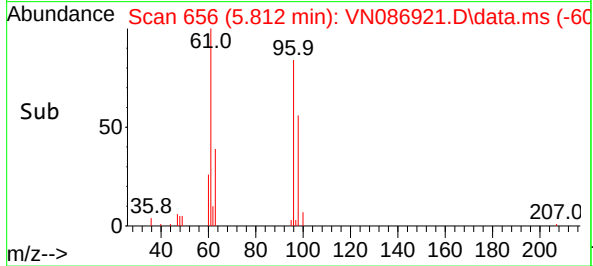
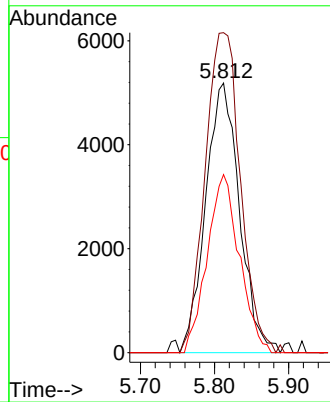


#21  
trans-1,2-Dichloroethene  
Concen: 3.676 ug/l  
RT: 5.812 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525

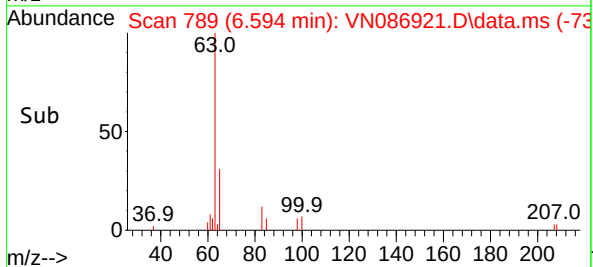
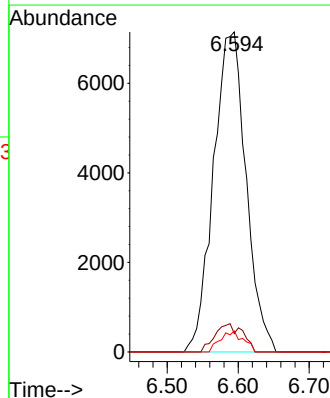
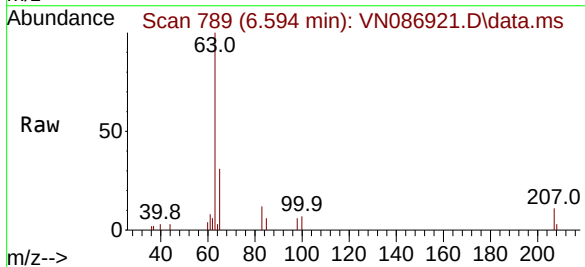


Tgt Ion: 96 Resp: 16472  
Ion Ratio Lower Upper  
96 100  
61 118.7 109.2 163.8  
98 66.1 49.8 74.8

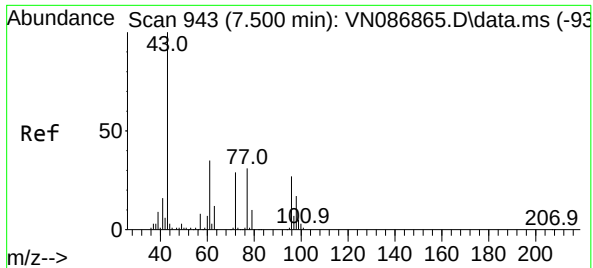


#24  
1,1-Dichloroethane  
Concen: 2.805 ug/l  
RT: 6.594 min Scan# 789  
Delta R.T. 0.012 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

Tgt Ion: 63 Resp: 22723  
Ion Ratio Lower Upper  
63 100  
98 5.8 3.6 10.8  
100 6.6 2.6 7.8

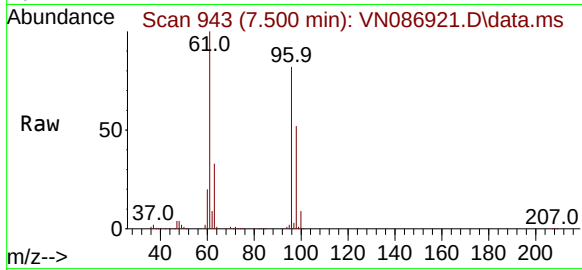






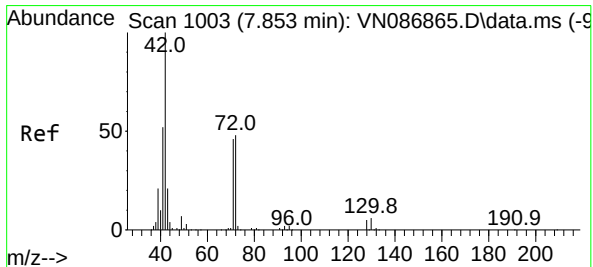
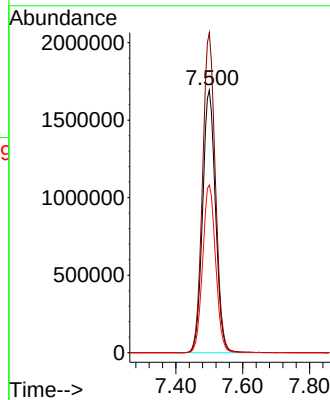
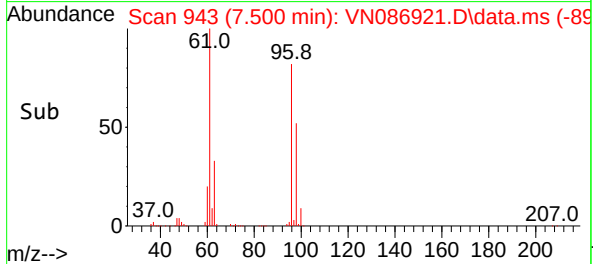
#27  
 cis-1,2-Dichloroethene  
 Concen: 846.190 ug/l  
 RT: 7.500 min Scan# 943  
 Delta R.T. -0.000 min  
 Lab File: VN086921.D  
 Acq: 10 Jun 2025 12:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525



Tgt Ion: 96 Resp: 4534458

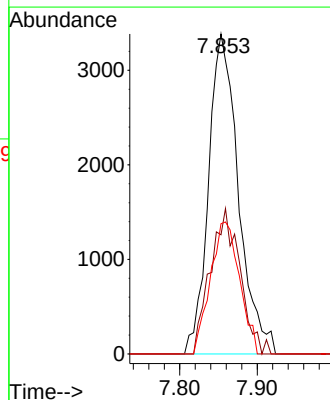
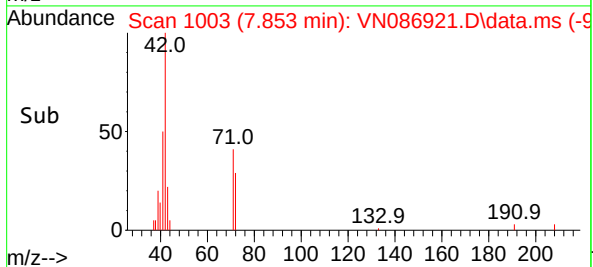
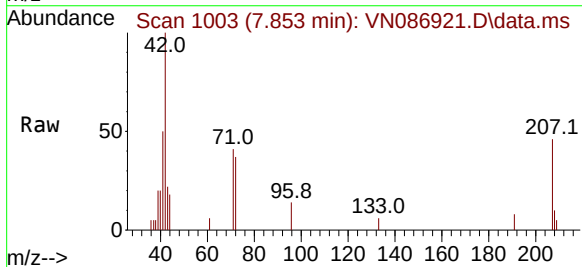
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 121.3 | 0.0   | 278.0 |
| 98  | 64.3  | 0.0   | 128.2 |

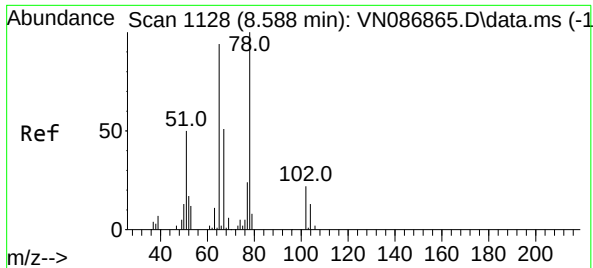


#29  
 Tetrahydrofuran  
 Concen: 3.339 ug/l  
 RT: 7.853 min Scan# 1003  
 Delta R.T. -0.000 min  
 Lab File: VN086921.D  
 Acq: 10 Jun 2025 12:30

Tgt Ion: 42 Resp: 9084

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 45.2  | 37.8  | 56.6  |
| 71  | 40.1  | 35.6  | 53.4  |





#33

1,2-Dichloroethane-d4

Concen: 47.792 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN086921.D

Acq: 10 Jun 2025 12:30

Instrument :

MSVOA\_N

ClientSampleId :

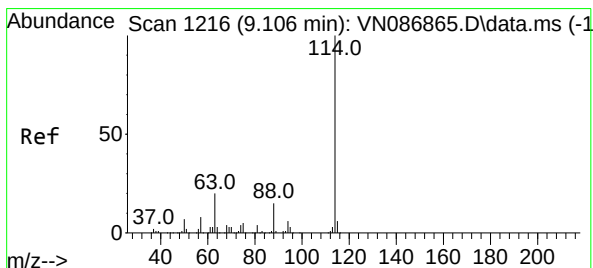
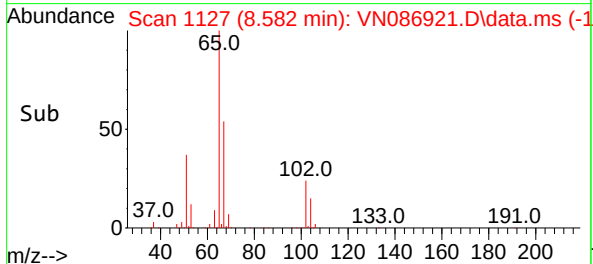
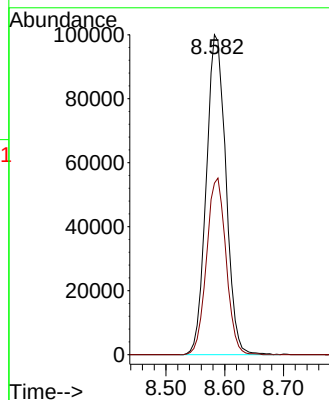
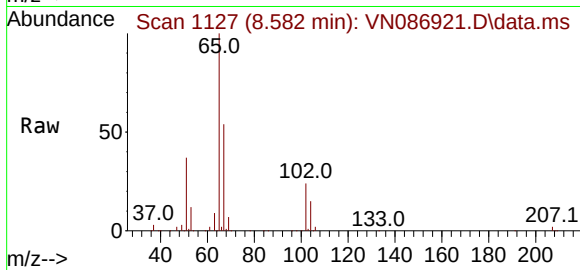
MW-11A-13.5-060525

Tgt Ion: 65 Resp: 231529

Ion Ratio Lower Upper

65 100

67 54.8 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086921.D

Acq: 10 Jun 2025 12:30

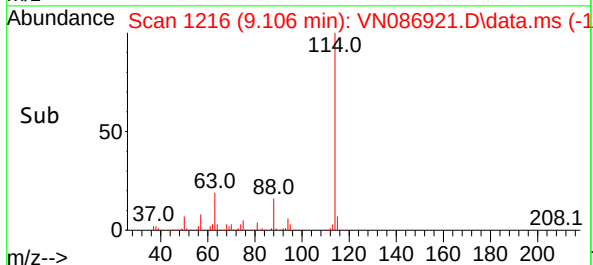
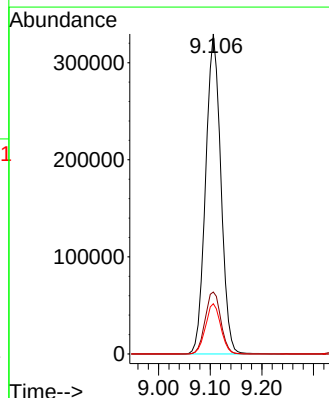
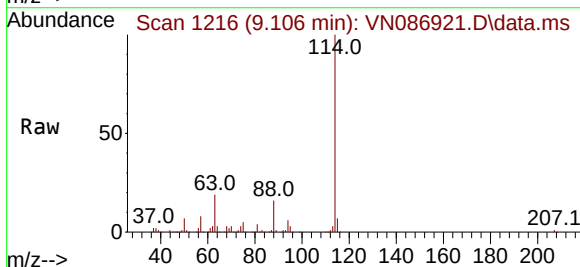
Tgt Ion: 114 Resp: 672514

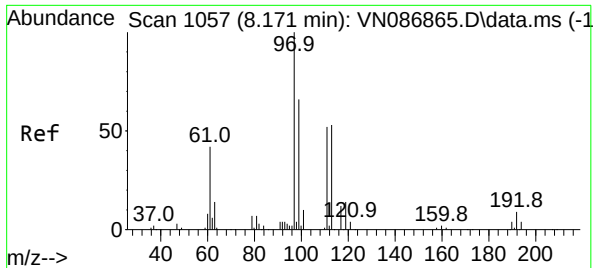
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.417 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN086921.D

Acq: 10 Jun 2025 12:30

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525

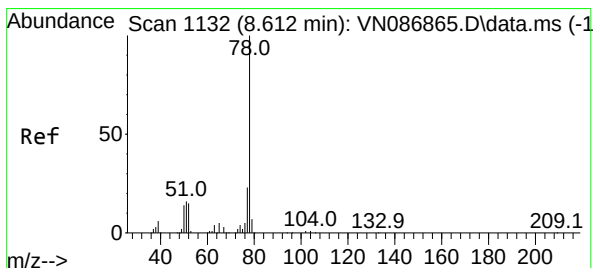
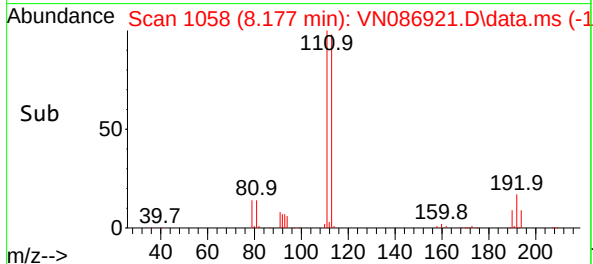
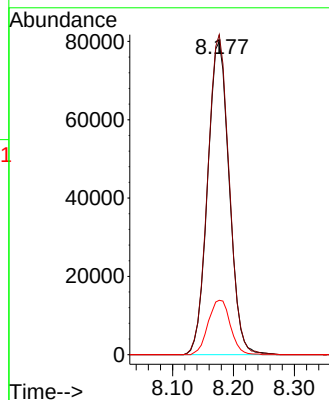
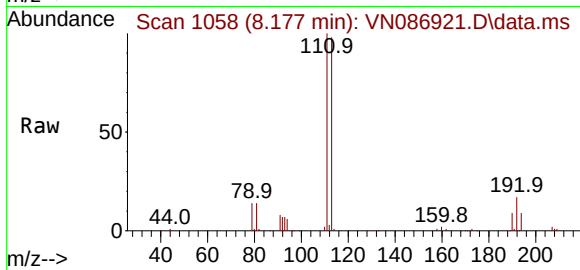
Tgt Ion:113 Resp: 196952

Ion Ratio Lower Upper

113 100

111 101.7 84.2 126.2

192 17.8 14.2 21.4



#40

Benzene

Concen: 0.418 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN086921.D

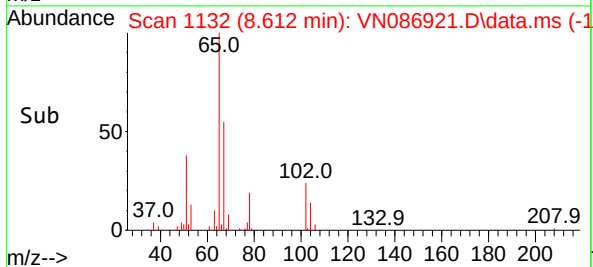
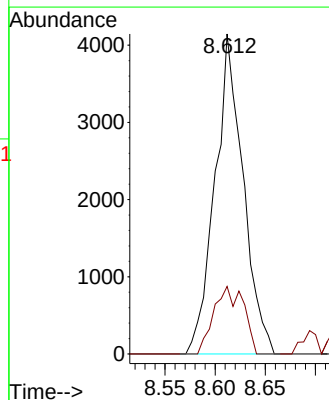
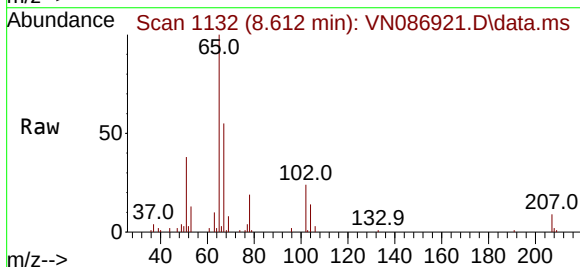
Acq: 10 Jun 2025 12:30

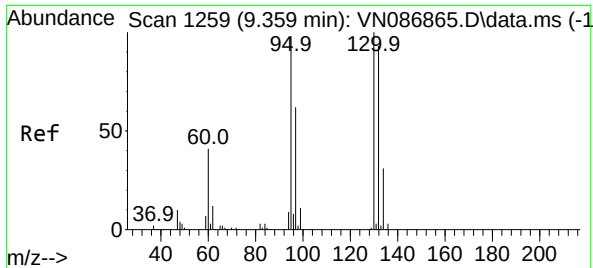
Tgt Ion: 78 Resp: 8119

Ion Ratio Lower Upper

78 100

77 21.1 18.7 28.1

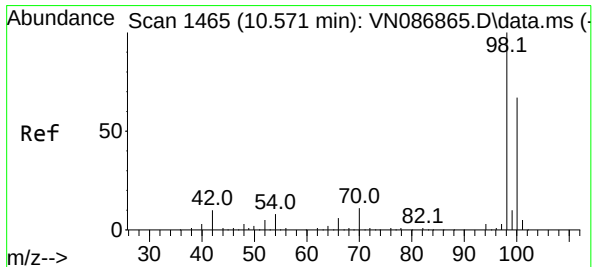
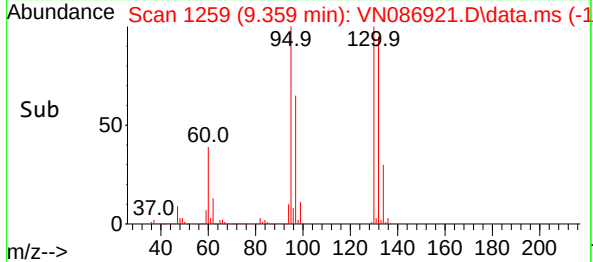
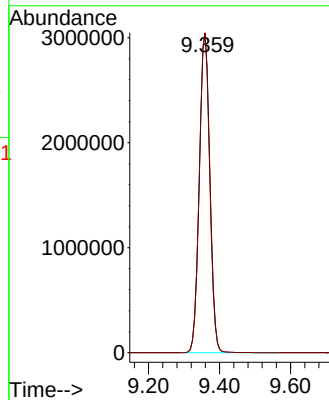
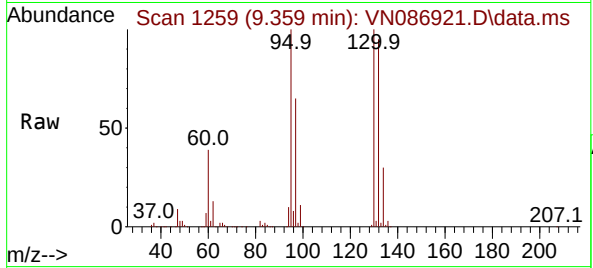




#44  
Trichloroethene  
Concen: 1370.098 ug/l  
RT: 9.359 min Scan# 1259  
Delta R.T. -0.000 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

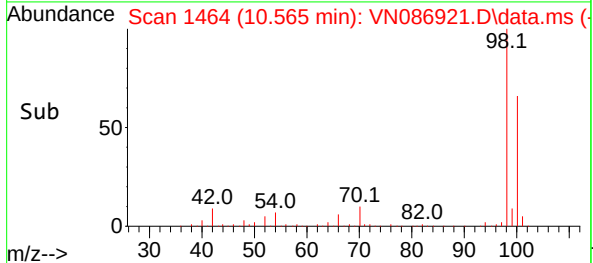
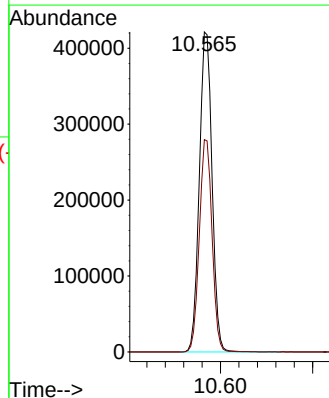
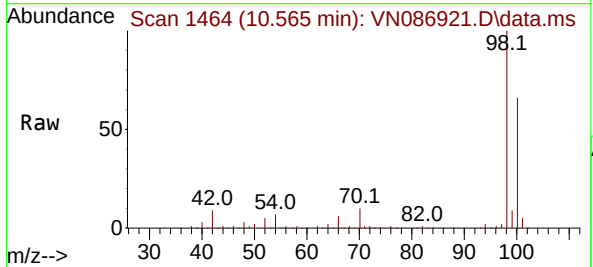
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525

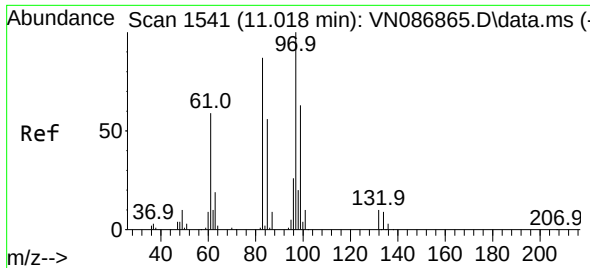
Tgt Ion:130 Resp: 6309047  
Ion Ratio Lower Upper  
130 100  
95 100.4 0.0 196.2



#50  
Toluene-d8  
Concen: 51.295 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN086921.D  
Acq: 10 Jun 2025 12:30

Tgt Ion: 98 Resp: 809307  
Ion Ratio Lower Upper  
98 100  
100 66.5 53.4 80.0



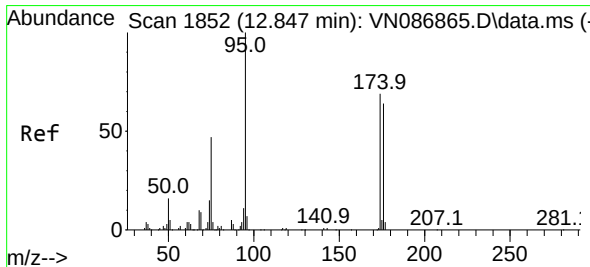
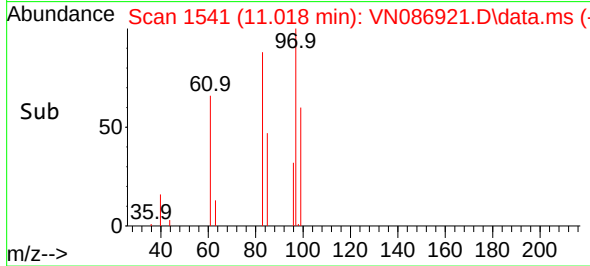
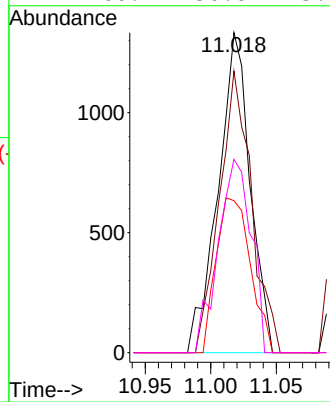
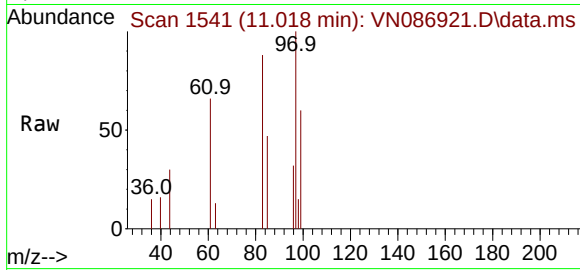


#55  
 1,1,2-Trichloroethane  
 Concen: 0.497 ug/l  
 RT: 11.018 min Scan# 1541  
 Delta R.T. -0.000 min  
 Lab File: VN086921.D  
 Acq: 10 Jun 2025 12:30

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525

Tgt Ion: 97 Resp: 2269

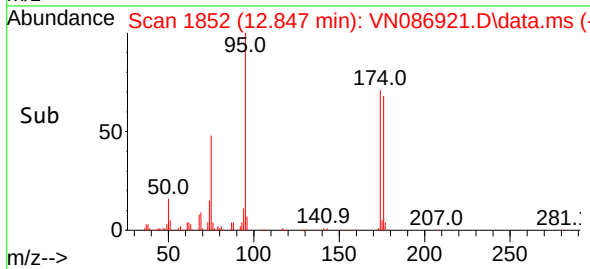
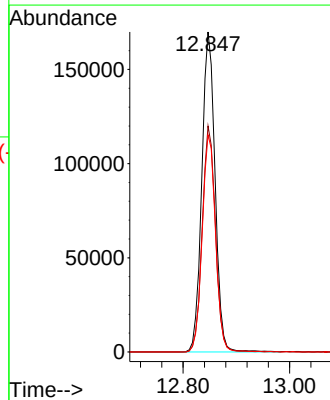
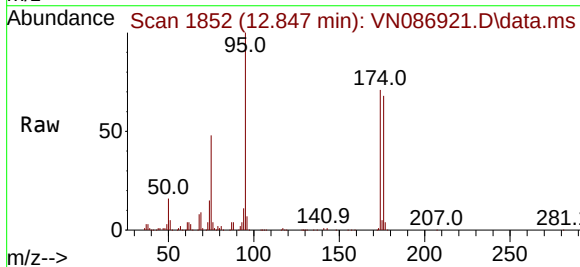
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 88.0  | 69.7  | 104.5 |
| 85  | 47.5  | 45.1  | 67.7  |
| 99  | 60.4  | 50.6  | 75.8  |

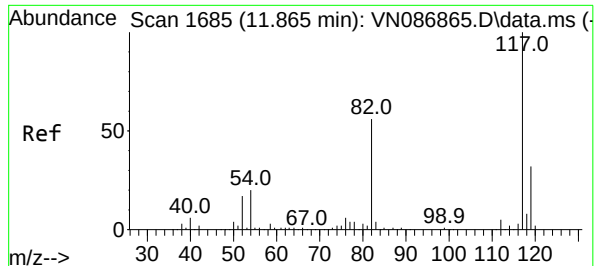


#62  
 4-Bromofluorobenzene  
 Concen: 50.054 ug/l  
 RT: 12.847 min Scan# 1852  
 Delta R.T. -0.000 min  
 Lab File: VN086921.D  
 Acq: 10 Jun 2025 12:30

Tgt Ion: 95 Resp: 293403

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 70.2  | 0.0   | 141.8 |
| 176 | 68.2  | 0.0   | 132.6 |





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086921.D

Acq: 10 Jun 2025 12:30

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525

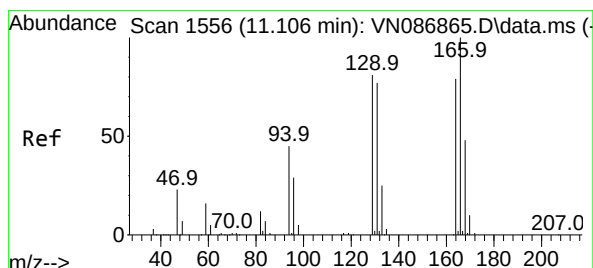
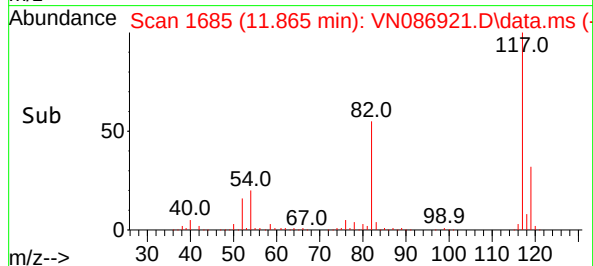
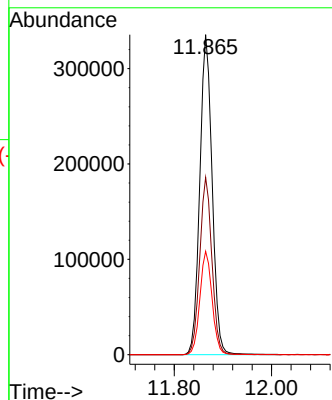
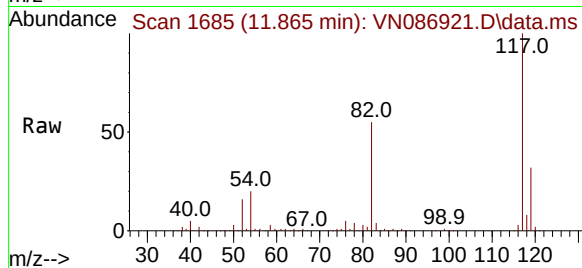
Tgt Ion:117 Resp: 593044

Ion Ratio Lower Upper

117 100

82 55.4 44.6 67.0

119 32.3 25.5 38.3



#64

Tetrachloroethene

Concen: 9.443 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. -0.000 min

Lab File: VN086921.D

Acq: 10 Jun 2025 12:30

Tgt Ion:164 Resp: 35442

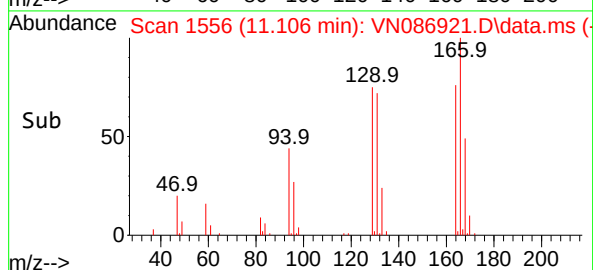
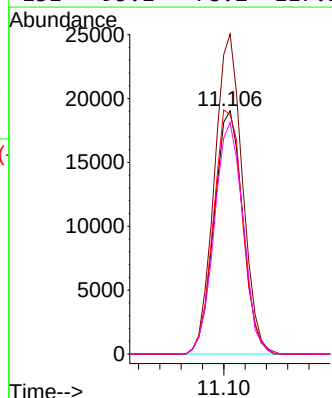
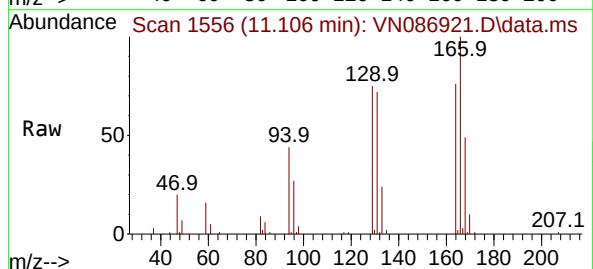
Ion Ratio Lower Upper

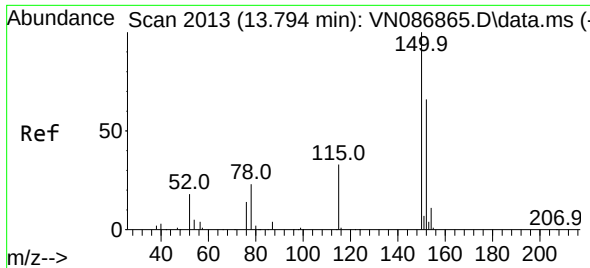
164 100

166 131.5 101.8 152.8

129 98.4 83.0 124.4

131 95.1 78.2 117.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN086921.D

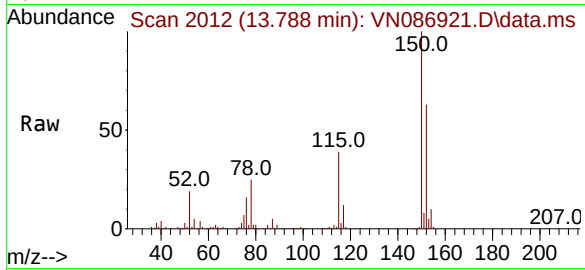
Acq: 10 Jun 2025 12:30

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525



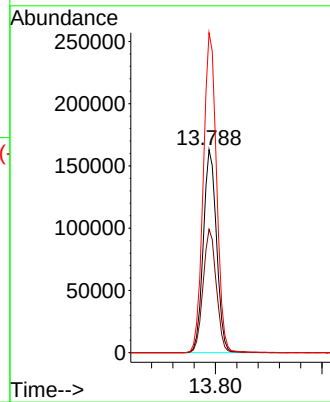
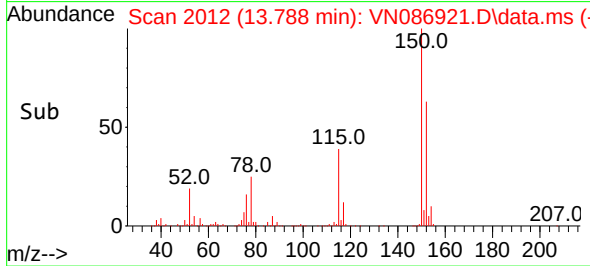
Tgt Ion:152 Resp: 281220

Ion Ratio Lower Upper

152 100

115 60.9 30.1 90.5

150 158.4 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
Data File : VN086948.D  
Acq On : 11 Jun 2025 15:06  
Operator : JC\MD  
Sample : Q2250-01DL 20X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525DL

Quant Time: Jun 12 01:33:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

| Compound                     | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards           |        |                |          |        |          |          |
| 1) Pentafluorobenzene        | 8.236  | 168            | 272350   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114            | 500042   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117            | 434591   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152            | 208257   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds  |        |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4    | 8.588  | 65             | 168991   | 46.344 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 74 - 125 | Recovery | =      | 92.680%  |          |
| 35) Dibromofluoromethane     | 8.177  | 113            | 143354   | 48.375 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =      | 96.760%  |          |
| 50) Toluene-d8               | 10.571 | 98             | 599641   | 51.115 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 86 - 113 | Recovery | =      | 102.240% |          |
| 62) 4-Bromofluorobenzene     | 12.847 | 95             | 214176   | 49.140 | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 77 - 121 | Recovery | =      | 98.280%  |          |
| Target Compounds             |        |                |          |        |          |          |
|                              |        |                |          |        | Qvalue   |          |
| 4) Vinyl Chloride            | 2.559  | 62             | 1187     | 0.328  | ug/l     | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.395  | 101            | 13861    | 4.668  | ug/l     | 97       |
| 27) cis-1,2-Dichloroethene   | 7.500  | 96             | 208706   | 51.744 | ug/l     | 89       |
| 44) Trichloroethene          | 9.359  | 130            | 290594   | 84.873 | ug/l     | 98       |
| 64) Tetrachloroethene        | 11.106 | 164            | 1673     | 0.608  | ug/l #   | 78       |

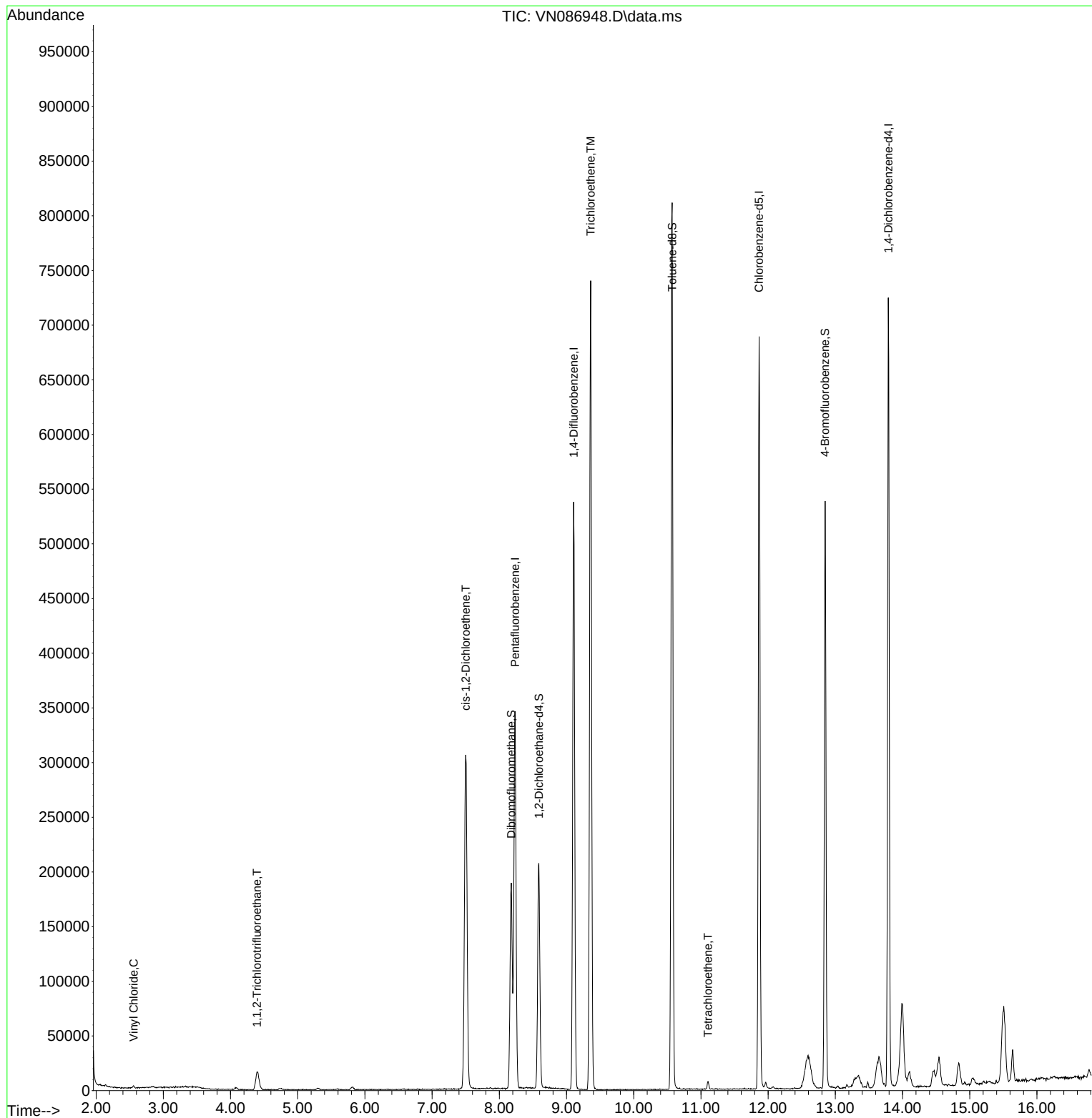
(#) = qualifier out of range (m) = manual integration (+) = signals summed

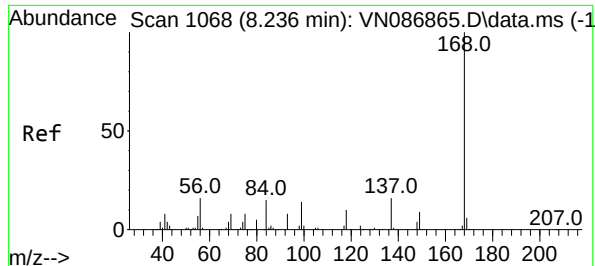


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
Data File : VN086948.D  
Acq On : 11 Jun 2025 15:06  
Operator : JC\MD  
Sample : Q2250-01DL 20X  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525DL

Quant Time: Jun 12 01:33:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

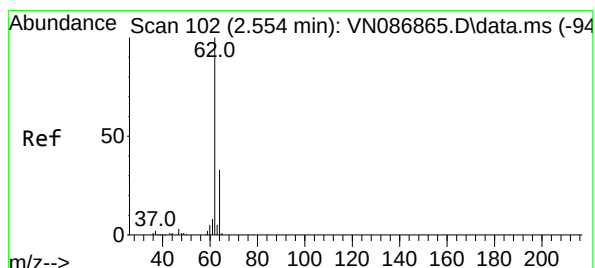
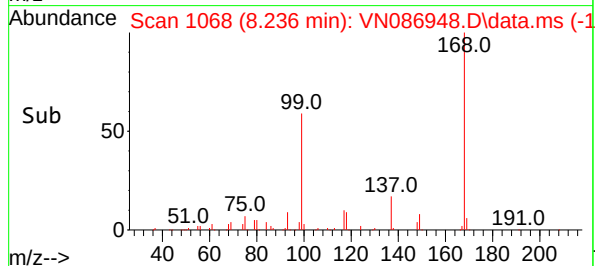
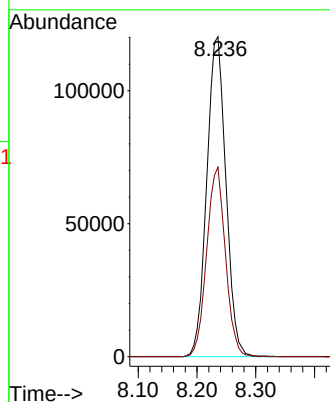
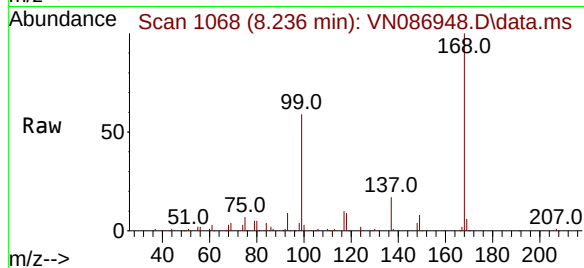




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.236 min Scan# 1068  
Delta R.T. -0.000 min  
Lab File: VN086948.D  
Acq: 11 Jun 2025 15:06

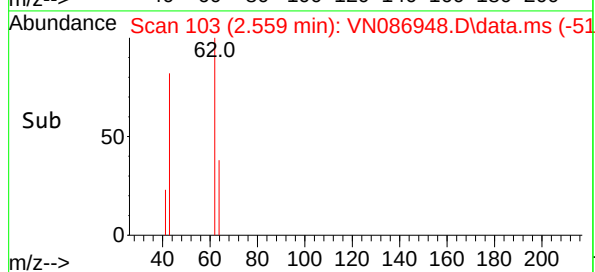
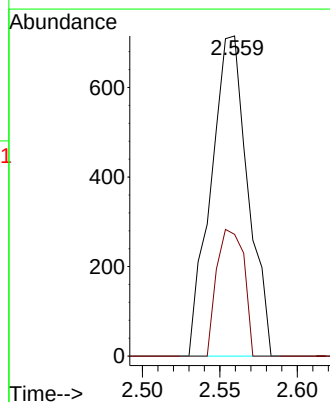
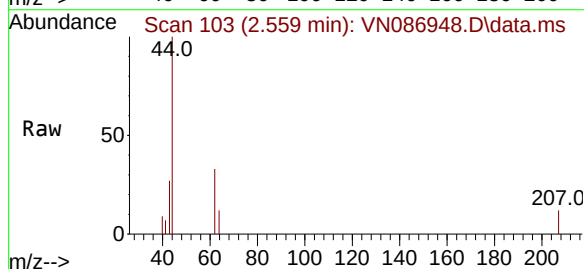
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525DL

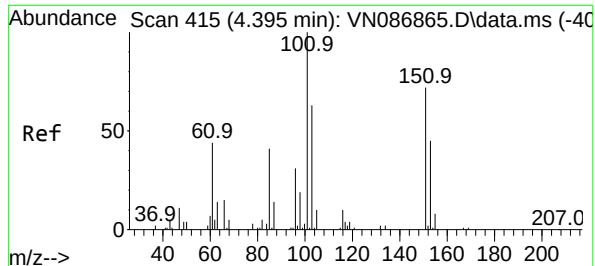
Tgt Ion:168 Resp: 272350  
Ion Ratio Lower Upper  
168 100  
99 59.2 49.1 73.7



#4  
Vinyl Chloride  
Concen: 0.328 ug/l  
RT: 2.559 min Scan# 103  
Delta R.T. 0.006 min  
Lab File: VN086948.D  
Acq: 11 Jun 2025 15:06

Tgt Ion: 62 Resp: 1187  
Ion Ratio Lower Upper  
62 100  
64 38.0 26.0 39.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.668 ug/l

RT: 4.395 min Scan# 415

Delta R.T. -0.000 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525DL

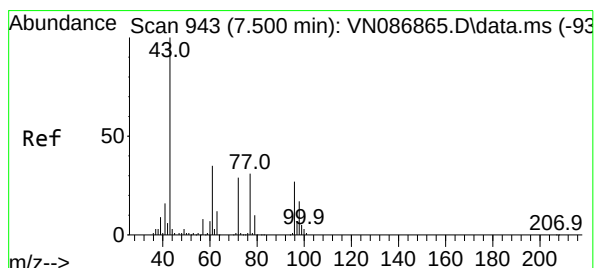
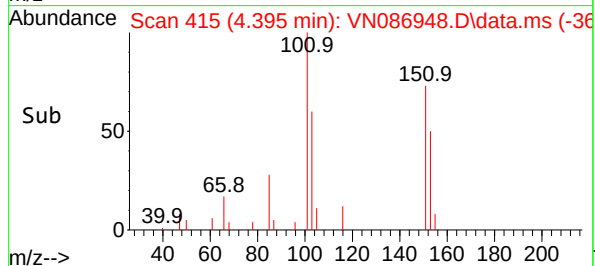
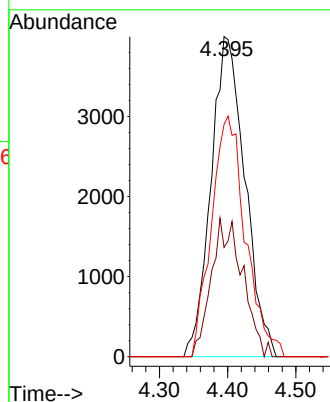
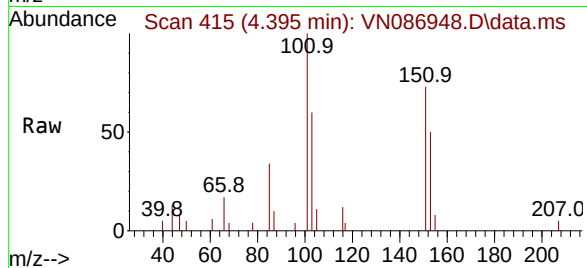
Tgt Ion:101 Resp: 13861

Ion Ratio Lower Upper

101 100

85 39.8 33.8 50.8

151 75.5 58.7 88.1



#27

cis-1,2-Dichloroethene

Concen: 51.744 ug/l

RT: 7.500 min Scan# 943

Delta R.T. 0.000 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

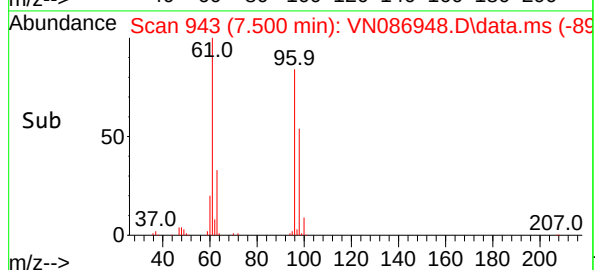
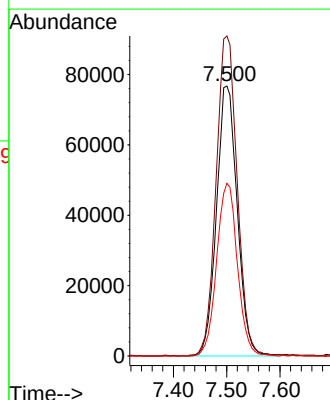
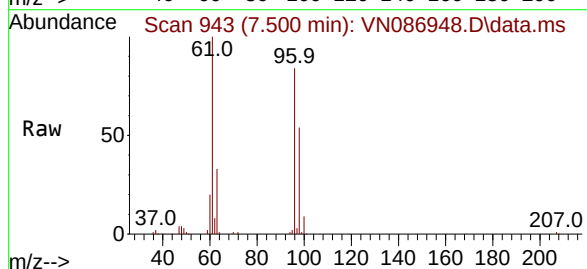
Tgt Ion: 96 Resp: 208706

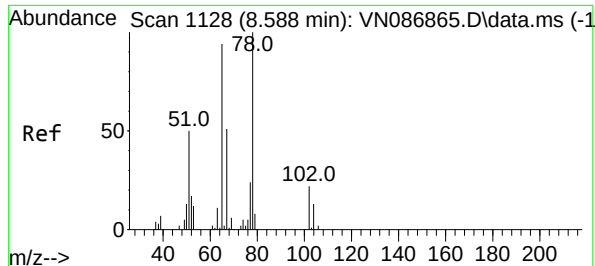
Ion Ratio Lower Upper

96 100

61 120.1 0.0 278.0

98 63.6 0.0 128.2





#33

1,2-Dichloroethane-d4

Concen: 46.344 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

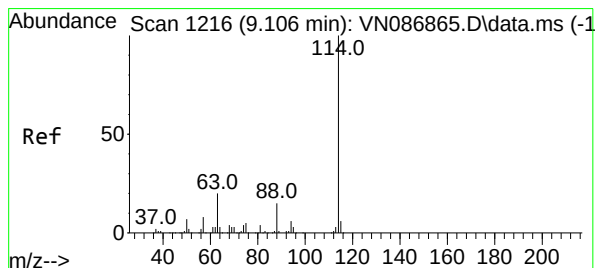
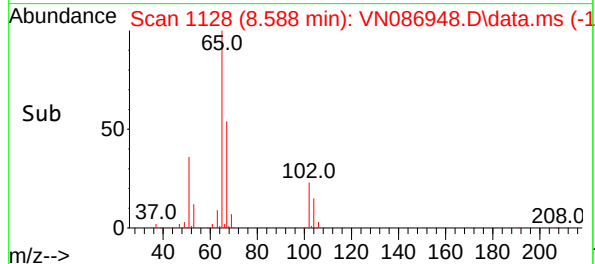
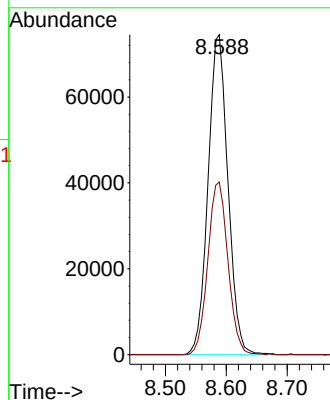
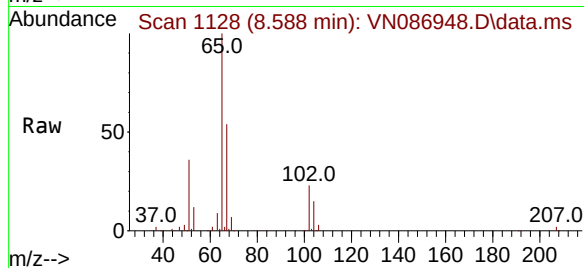
MW-11A-13.5-060525DL

Tgt Ion: 65 Resp: 168991

Ion Ratio Lower Upper

65 100

67 54.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

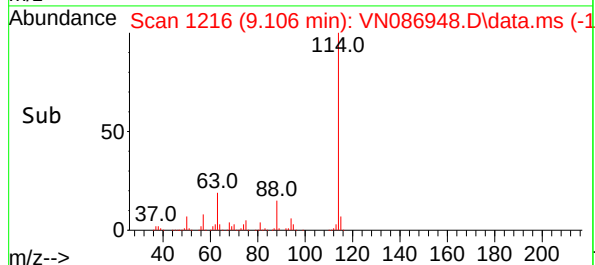
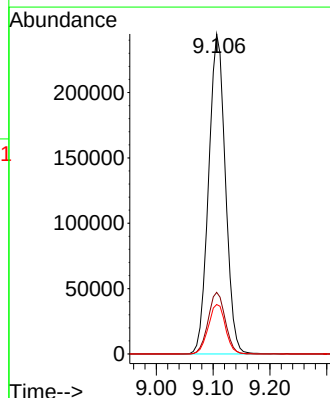
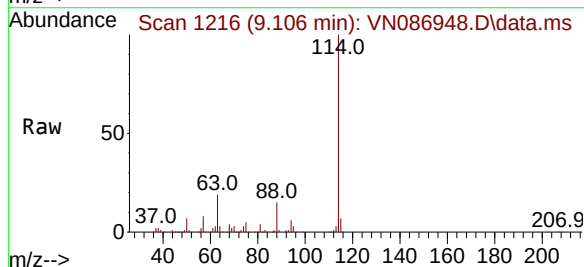
Tgt Ion: 114 Resp: 500042

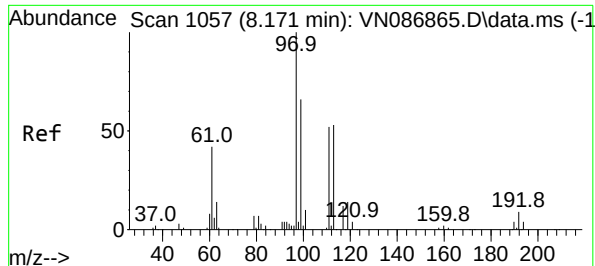
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.375 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086948.D

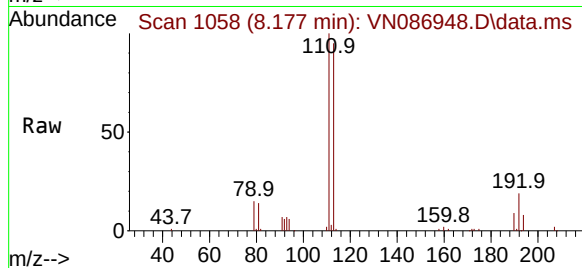
Acq: 11 Jun 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525DL



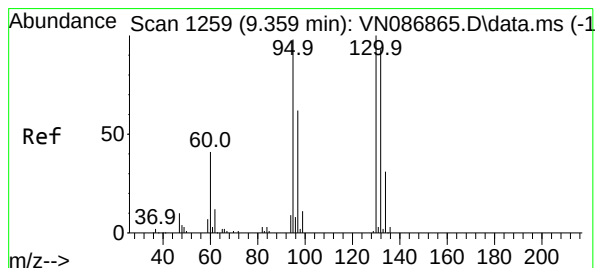
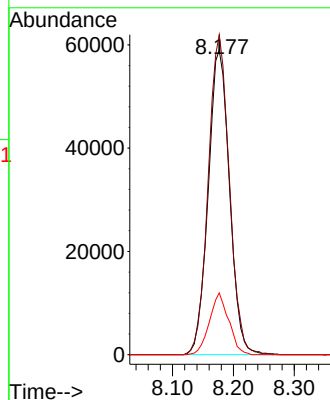
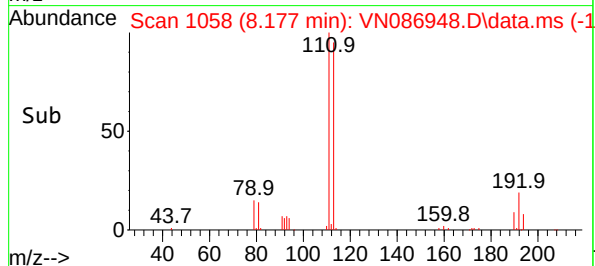
Tgt Ion:113 Resp: 143354

Ion Ratio Lower Upper

113 100

111 103.8 84.2 126.2

192 18.3 14.2 21.4



#44

Trichloroethene

Concen: 84.873 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN086948.D

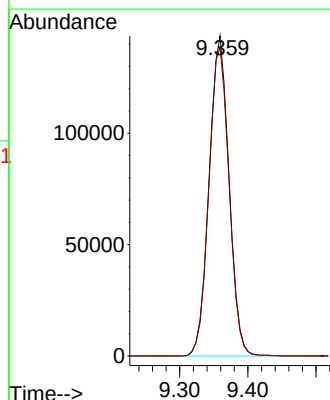
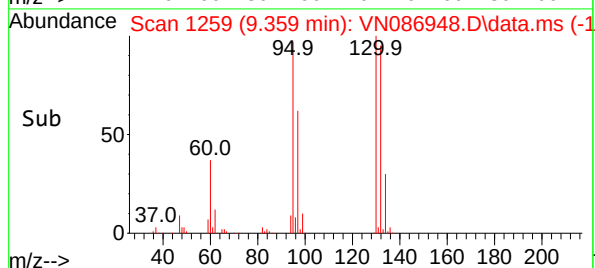
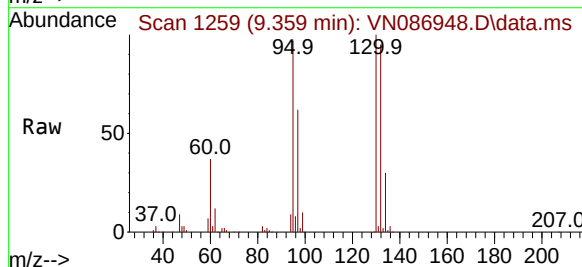
Acq: 11 Jun 2025 15:06

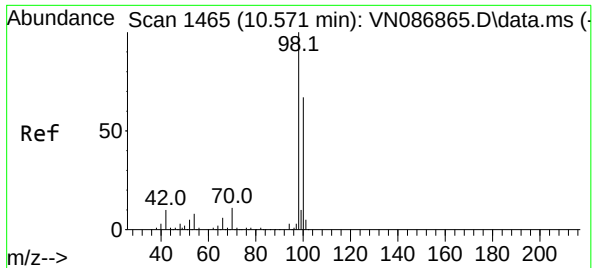
Tgt Ion:130 Resp: 290594

Ion Ratio Lower Upper

130 100

95 96.5 0.0 196.2

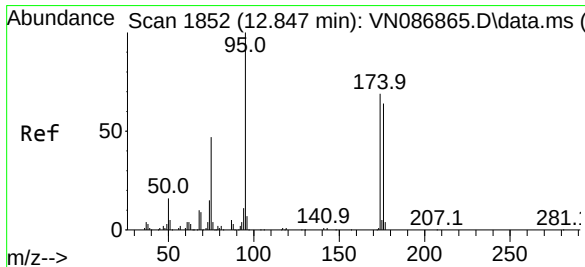
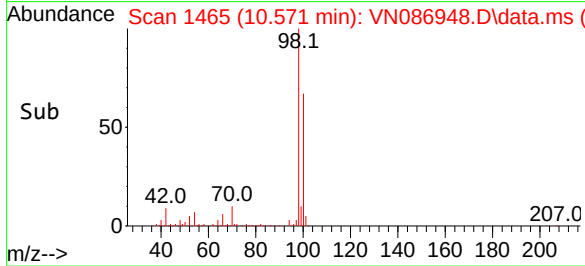
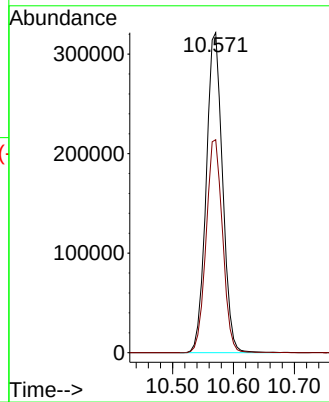
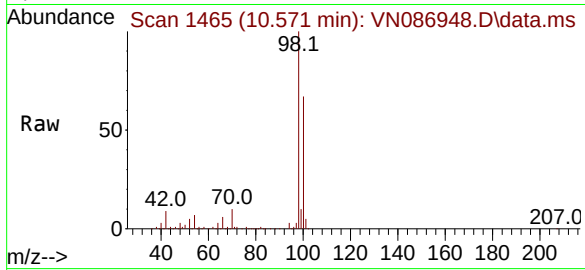




#50  
Toluene-d8  
Concen: 51.115 ug/l  
RT: 10.571 min Scan# 1465  
Delta R.T. 0.000 min  
Lab File: VN086948.D  
Acq: 11 Jun 2025 15:06

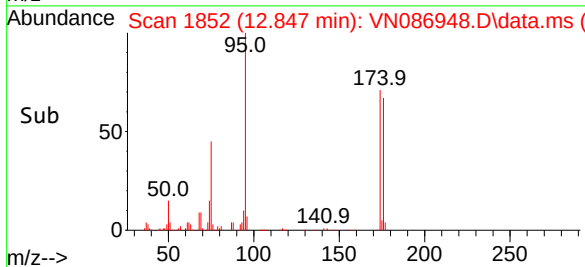
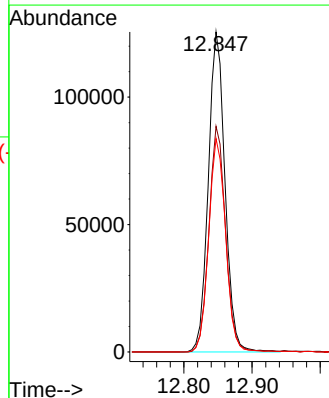
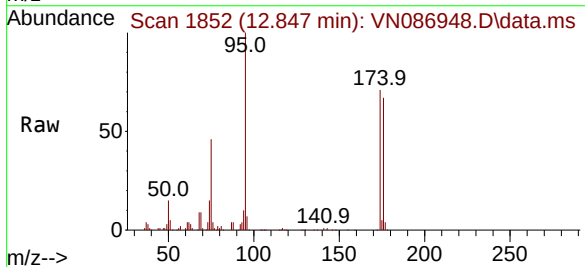
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525DL

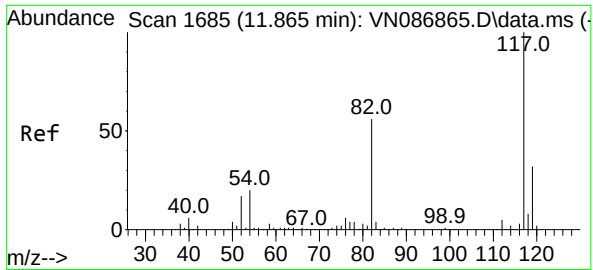
Tgt Ion: 98 Resp: 599641  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 49.140 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086948.D  
Acq: 11 Jun 2025 15:06

Tgt Ion: 95 Resp: 214176  
Ion Ratio Lower Upper  
95 100  
174 70.6 0.0 141.8  
176 67.6 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086948.D

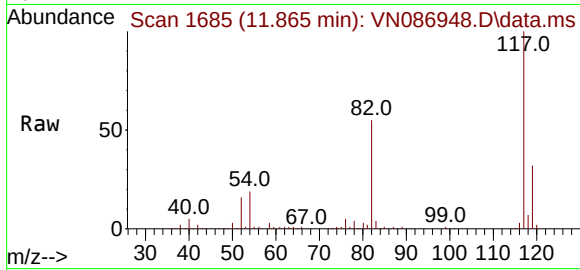
Acq: 11 Jun 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525DL



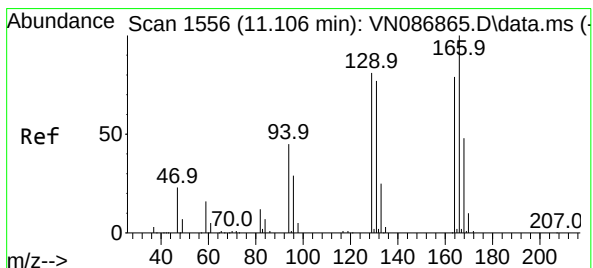
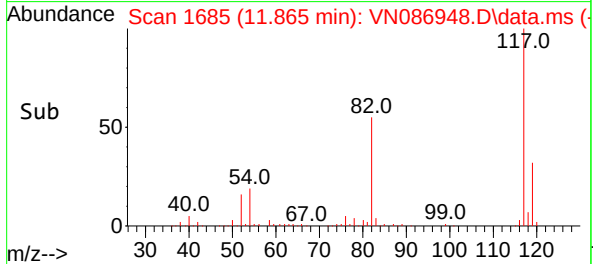
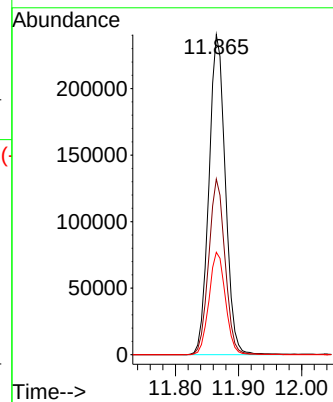
Tgt Ion:117 Resp: 434591

Ion Ratio Lower Upper

117 100

82 54.9 44.6 67.0

119 32.0 25.5 38.3



#64

Tetrachloroethene

Concen: 0.608 ug/l

RT: 11.106 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VN086948.D

Acq: 11 Jun 2025 15:06

Tgt Ion:164 Resp: 1673

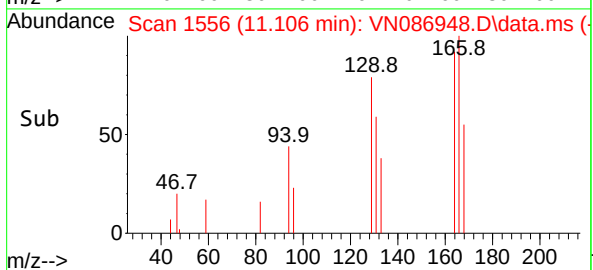
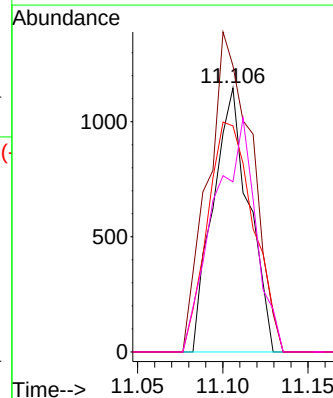
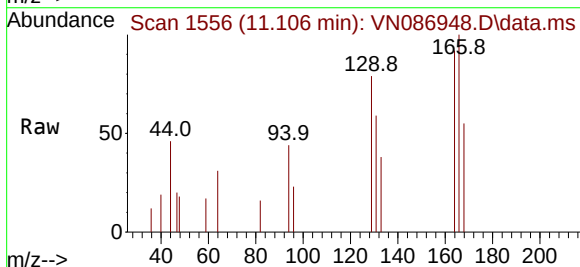
Ion Ratio Lower Upper

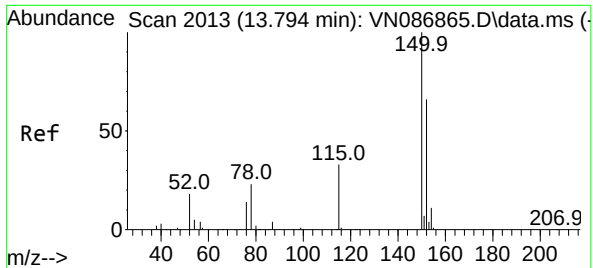
164 100

166 108.4 101.8 152.8

129 85.6 83.0 124.4

131 64.4 78.2 117.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN086948.D

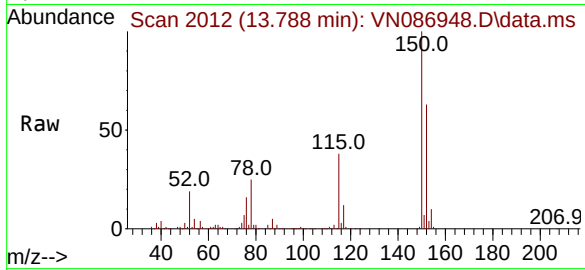
Acq: 11 Jun 2025 15:06

Instrument :

MSVOA\_N

ClientSampleId :

MW-11A-13.5-060525DL



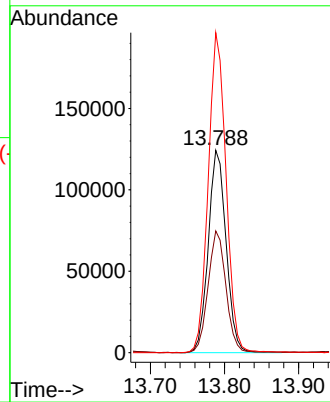
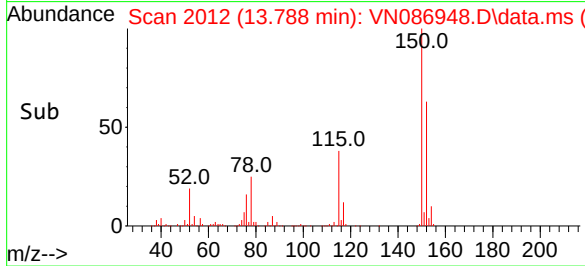
Tgt Ion:152 Resp: 208257

Ion Ratio Lower Upper

152 100

115 60.5 30.1 90.5

150 157.5 0.0 345.0





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086919.D  
Acq On : 10 Jun 2025 11:47  
Operator : JC\MD  
Sample : Q2250-05  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EB02-060525

Quant Time: Jun 11 01:51:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

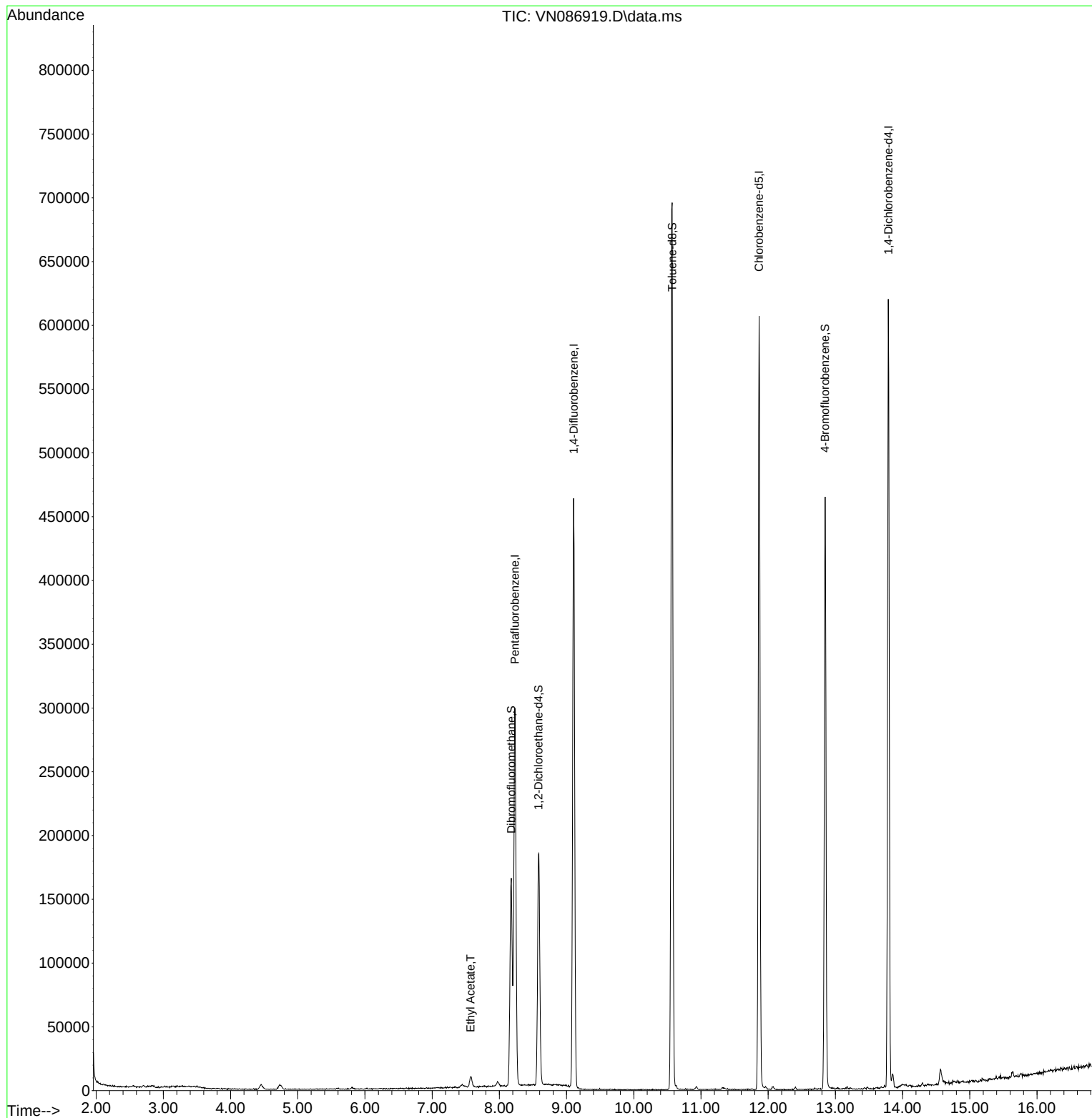
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.230  | 168   | 232754   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 9.106  | 114   | 433385   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.865 | 117   | 381245   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.788 | 152   | 180063   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 149250   | 47.893   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 95.780%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 125229   | 48.759   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 97.520%  |
| 50) Toluene-d8              | 10.571 | 98    | 523905   | 51.528   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 103.060% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 184714   | 48.899   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 97.800%  |
| Target Compounds            |        |       |          |          |       |          |
| 37) Ethyl Acetate           | 7.571  | 43    | 12844    | 2.636    | ug/l  | 98       |
| -----                       |        |       |          |          |       |          |

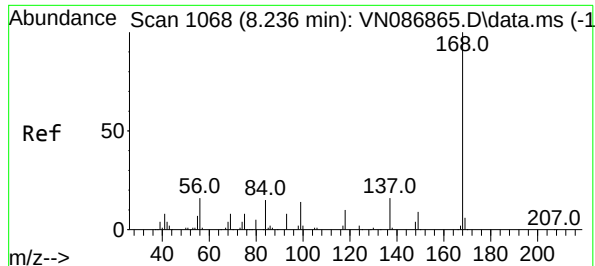
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086919.D  
Acq On : 10 Jun 2025 11:47  
Operator : JC\MD  
Sample : Q2250-05  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
EB02-060525

Quant Time: Jun 11 01:51:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

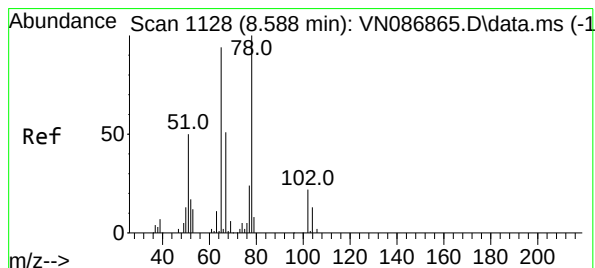
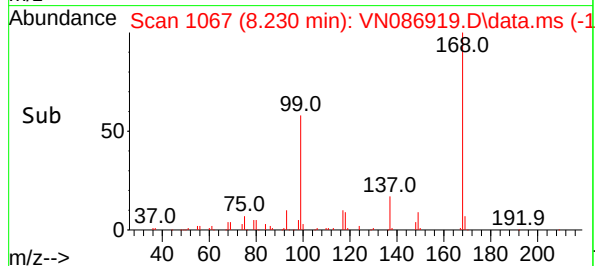
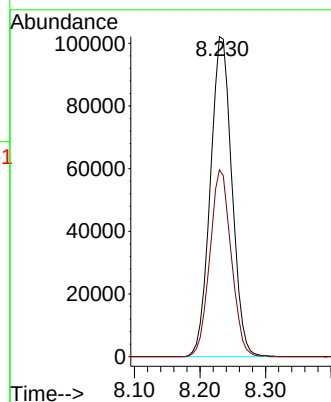
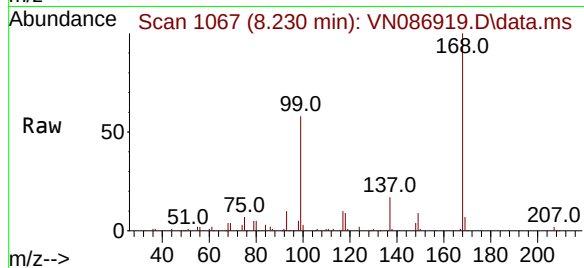




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN086919.D  
Acq: 10 Jun 2025 11:47

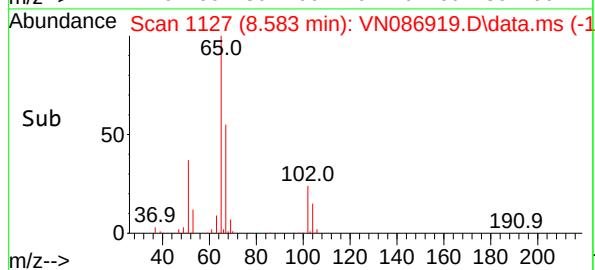
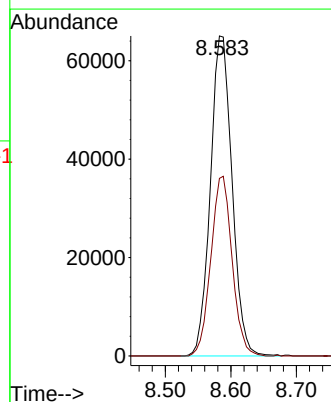
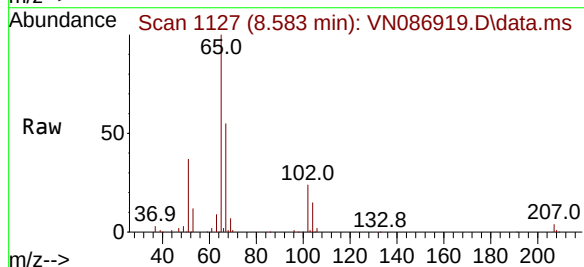
Instrument :  
MSVOA\_N  
ClientSampleId :  
EB02-060525

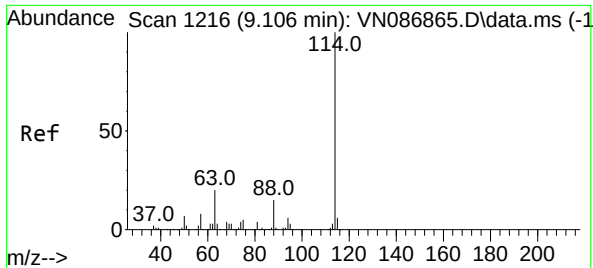
Tgt Ion:168 Resp: 232754  
Ion Ratio Lower Upper  
168 100  
99 58.4 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 47.893 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN086919.D  
Acq: 10 Jun 2025 11:47

Tgt Ion: 65 Resp: 149250  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086919.D

Acq: 10 Jun 2025 11:47

Instrument :

MSVOA\_N

ClientSampleId :

EB02-060525

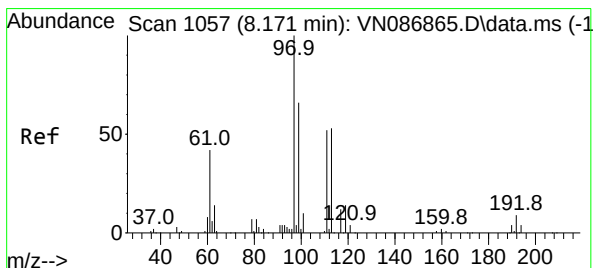
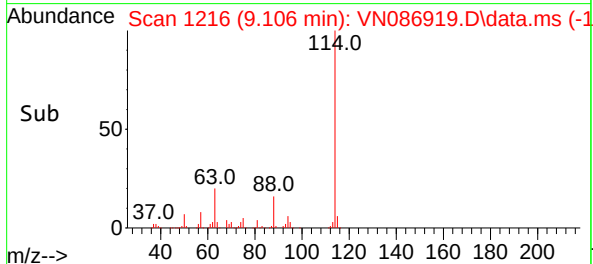
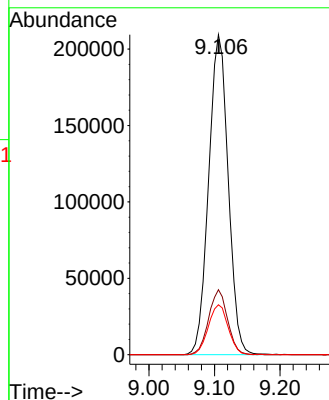
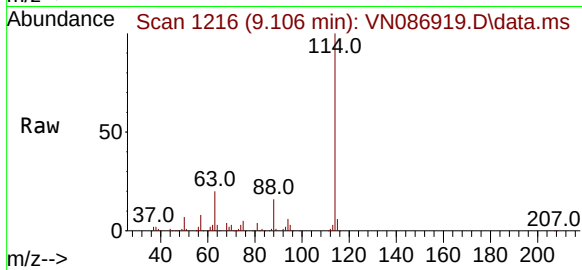
Tgt Ion:114 Resp: 433385

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.6

88 15.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.759 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086919.D

Acq: 10 Jun 2025 11:47

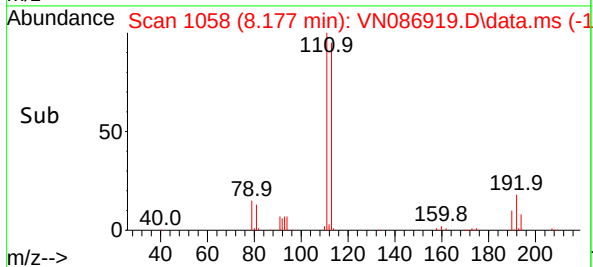
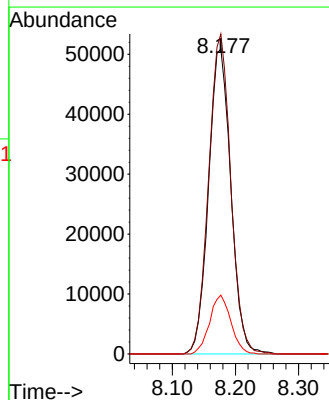
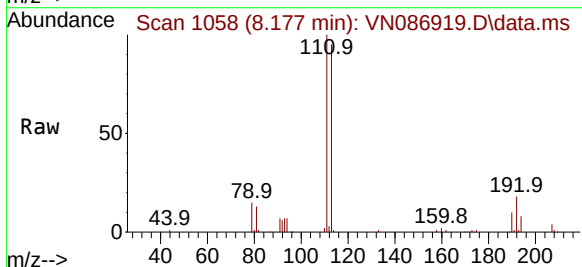
Tgt Ion:113 Resp: 125229

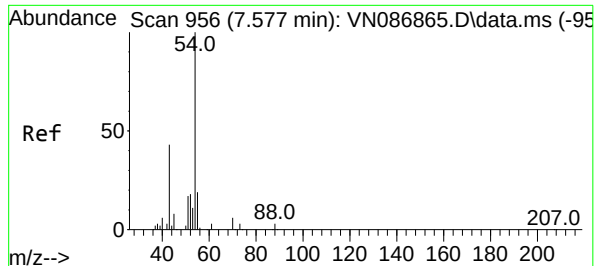
Ion Ratio Lower Upper

113 100

111 103.7 84.2 126.2

192 18.4 14.2 21.4





#37

Ethyl Acetate

Concen: 2.636 ug/l

RT: 7.571 min Scan# 91

Delta R.T. -0.006 min

Lab File: VN086919.D

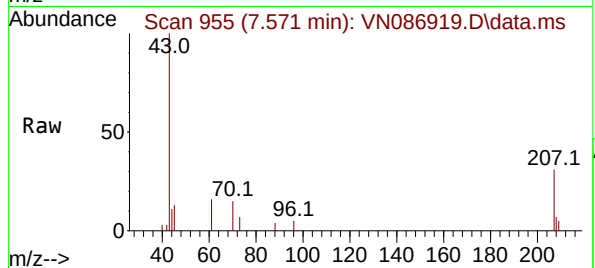
Acq: 10 Jun 2025 11:47

Instrument :

MSVOA\_N

ClientSampleId :

EB02-060525



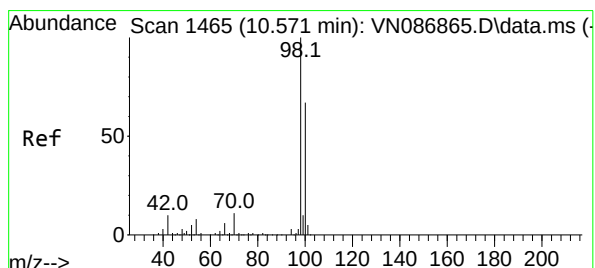
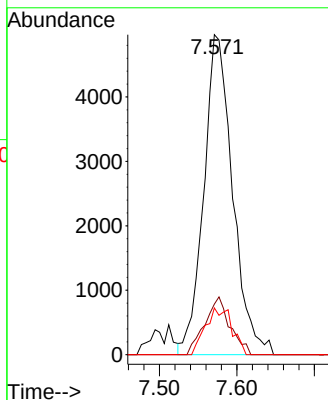
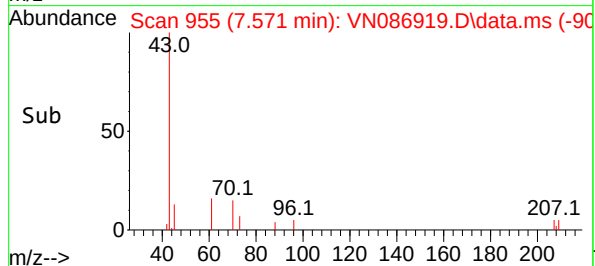
Tgt Ion: 43 Resp: 12844

Ion Ratio Lower Upper

43 100

61 15.8 12.1 18.1

70 13.4 9.8 14.6



#50

Toluene-d8

Concen: 51.528 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN086919.D

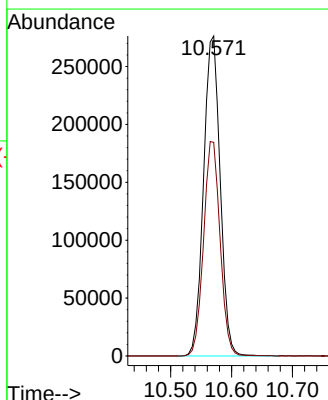
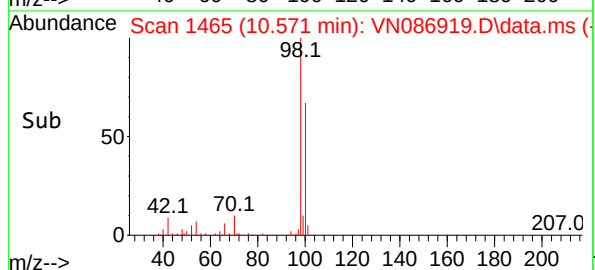
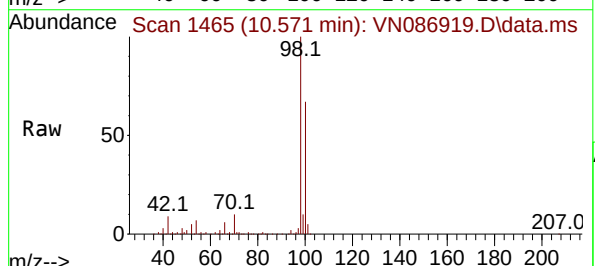
Acq: 10 Jun 2025 11:47

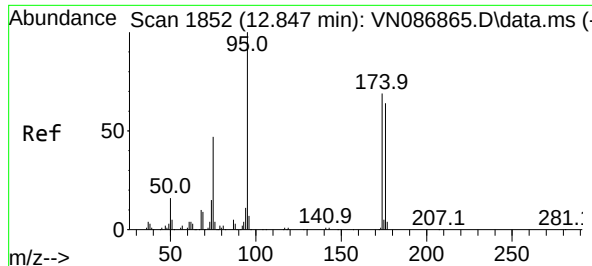
Tgt Ion: 98 Resp: 523905

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 48.899 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086919.D

Acq: 10 Jun 2025 11:47

Instrument :

MSVOA\_N

ClientSampleId :

EB02-060525

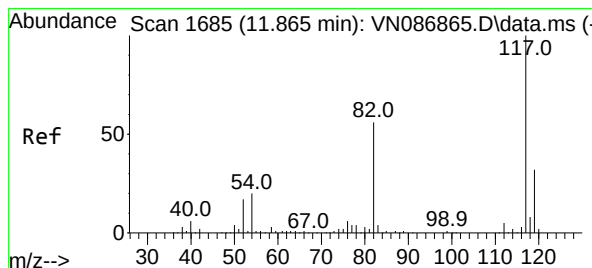
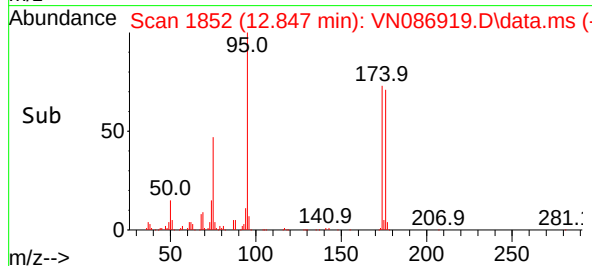
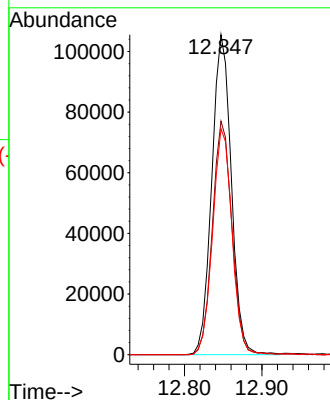
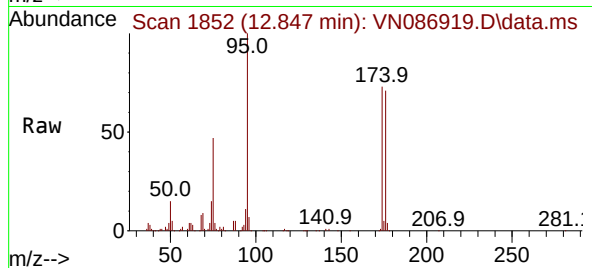
Tgt Ion: 95 Resp: 184714

Ion Ratio Lower Upper

95 100

174 73.1 0.0 141.8

176 70.0 0.0 132.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN086919.D

Acq: 10 Jun 2025 11:47

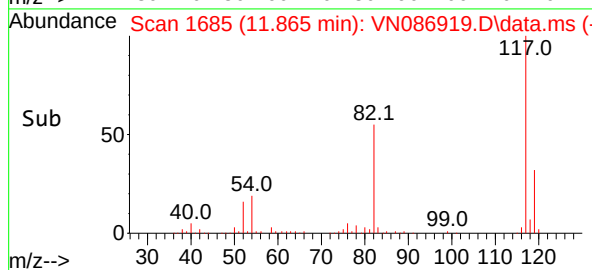
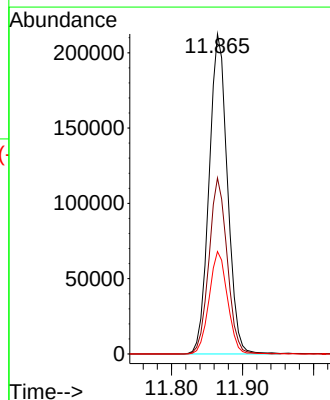
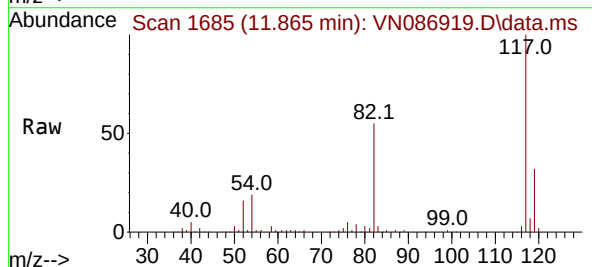
Tgt Ion: 117 Resp: 381245

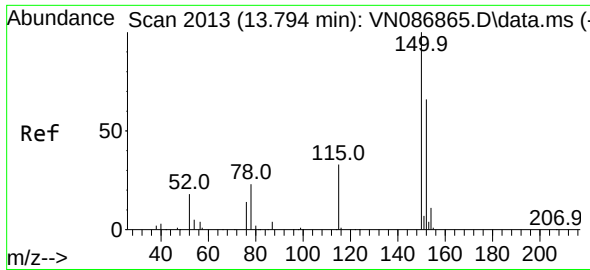
Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

119 32.0 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN086919.D

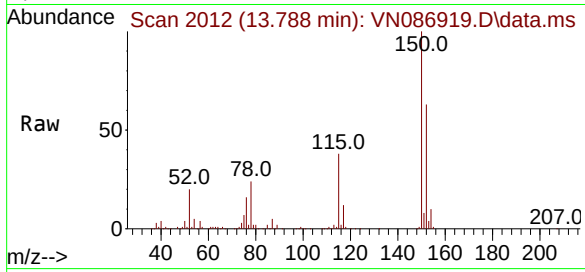
Acq: 10 Jun 2025 11:47

Instrument :

MSVOA\_N

ClientSampleId :

EB02-060525



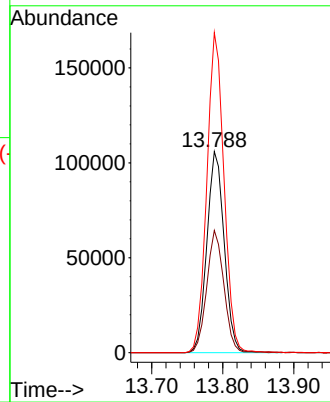
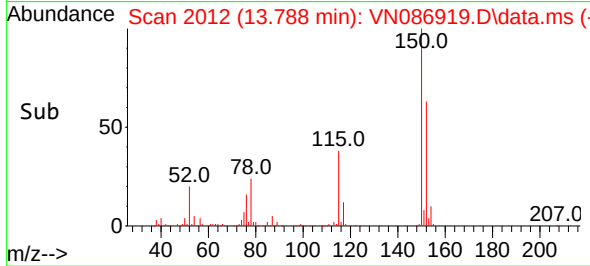
Tgt Ion:152 Resp: 180063

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.5

150 157.3 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086920.D  
Acq On : 10 Jun 2025 12:08  
Operator : JC\MD  
Sample : Q2250-06  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-060525

Quant Time: Jun 11 01:51:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 350151   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 648560   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 563762   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 266280   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 221297   | 47.204   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 94.400%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 187512   | 48.787   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.580%  |
| 50) Toluene-d8              | 10.565 | 98    | 777698   | 51.112   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 102.220% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 277459   | 49.082   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 98.160%  |

| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

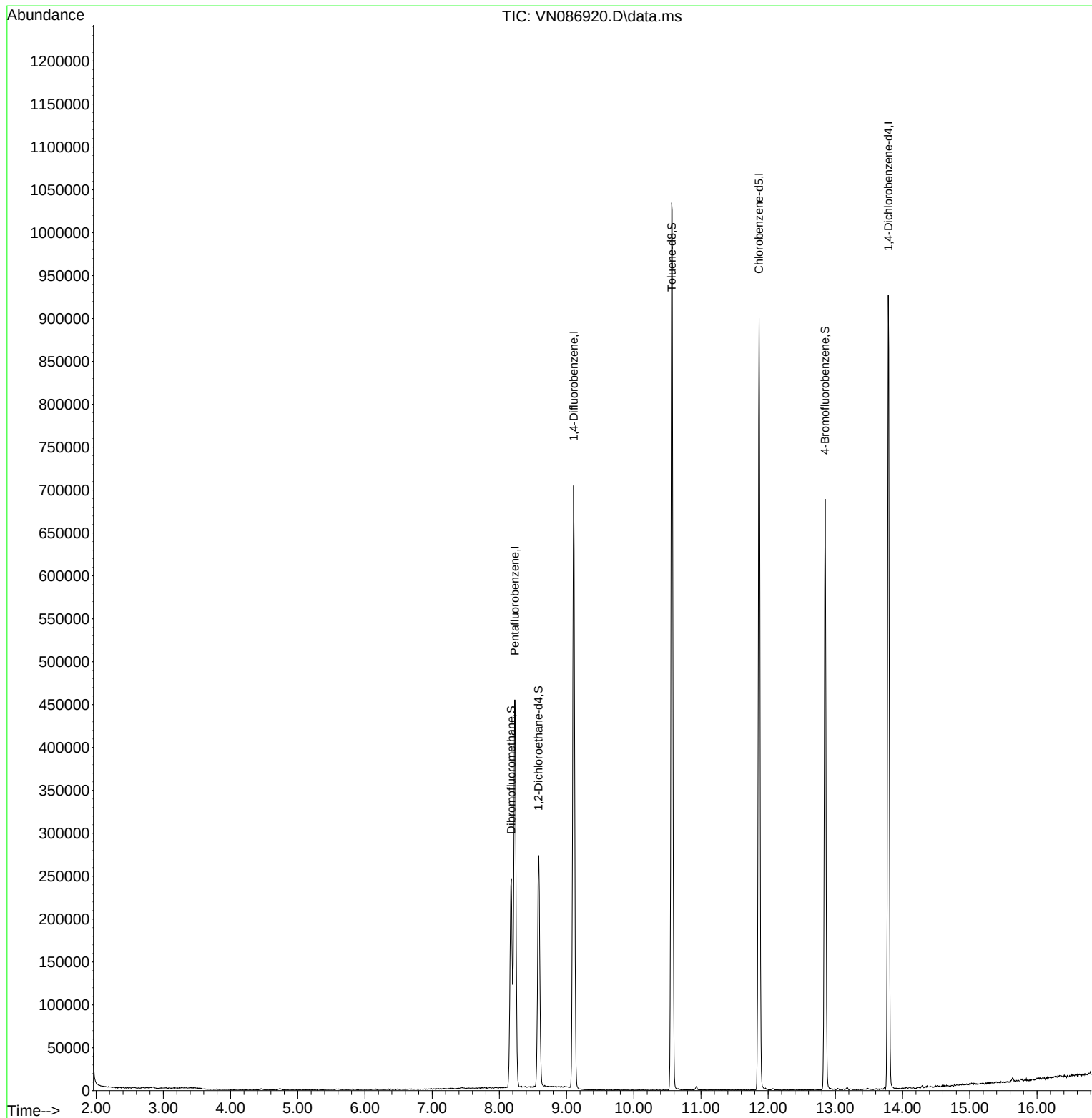
(#) = qualifier out of range (m) = manual integration (+) = signals summed

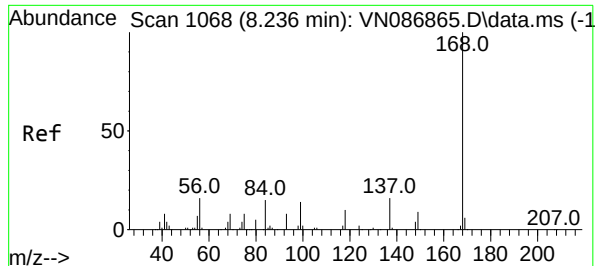


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086920.D  
Acq On : 10 Jun 2025 12:08  
Operator : JC\MD  
Sample : Q2250-06  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-060525

Quant Time: Jun 11 01:51:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

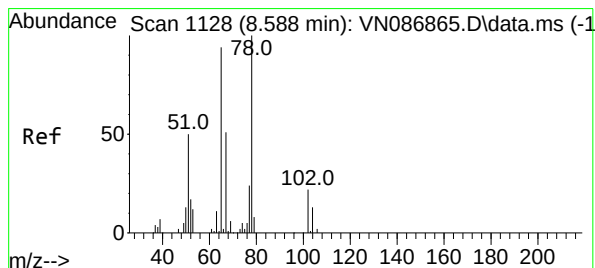
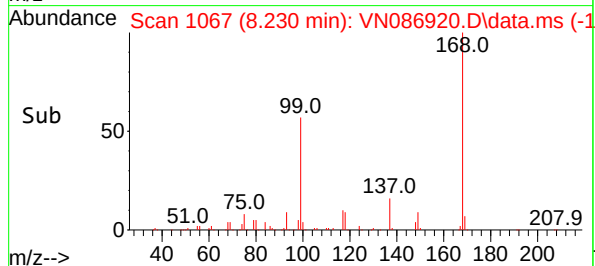
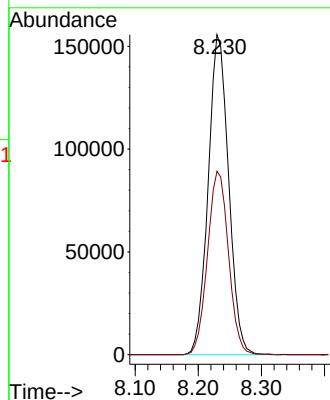
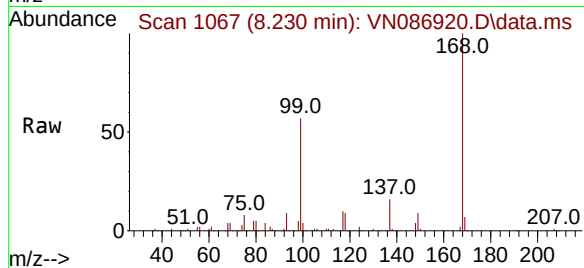




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN086920.D  
Acq: 10 Jun 2025 12:08

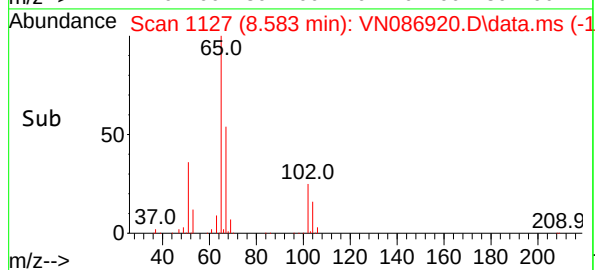
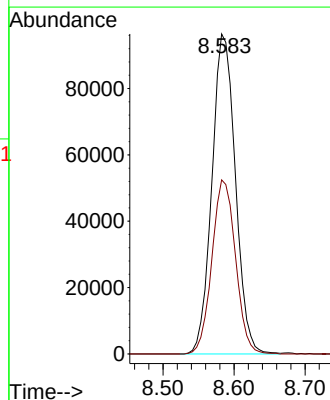
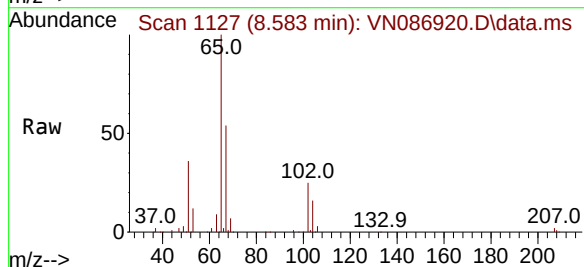
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-060525

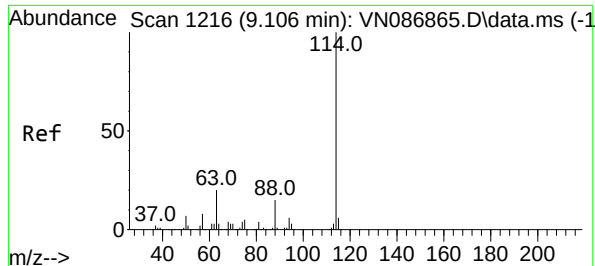
Tgt Ion:168 Resp: 350151  
Ion Ratio Lower Upper  
168 100  
99 57.3 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 47.204 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN086920.D  
Acq: 10 Jun 2025 12:08

Tgt Ion: 65 Resp: 221297  
Ion Ratio Lower Upper  
65 100  
67 54.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086920.D

Acq: 10 Jun 2025 12:08

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-060525

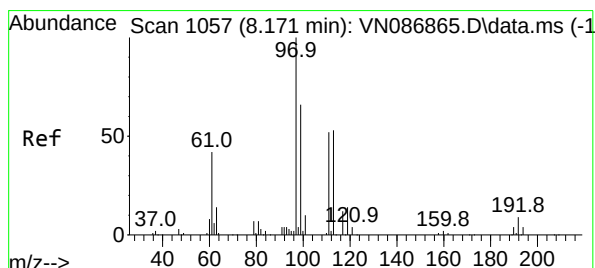
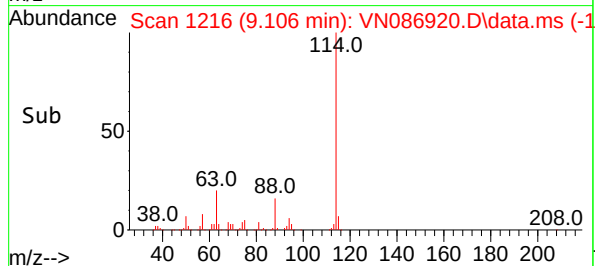
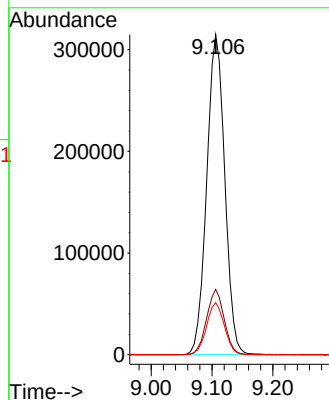
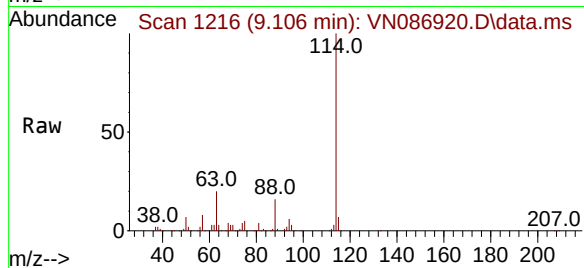
Tgt Ion:114 Resp: 648560

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.787 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086920.D

Acq: 10 Jun 2025 12:08

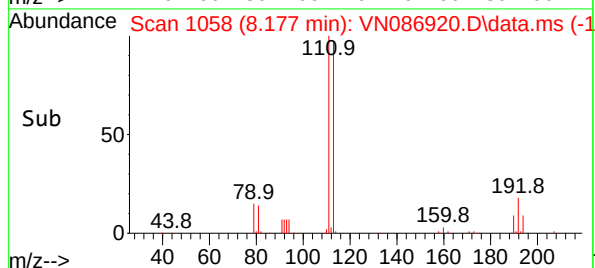
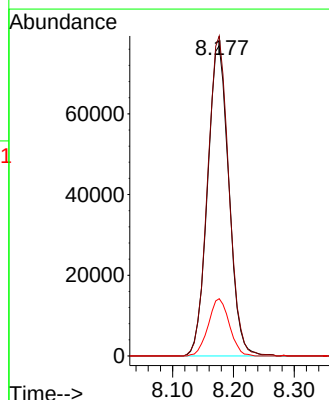
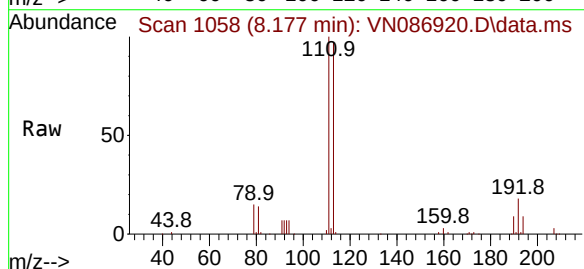
Tgt Ion:113 Resp: 187512

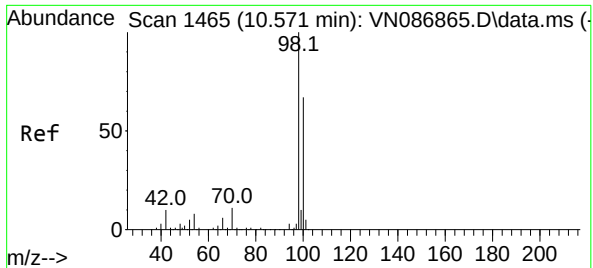
Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 18.2 14.2 21.4

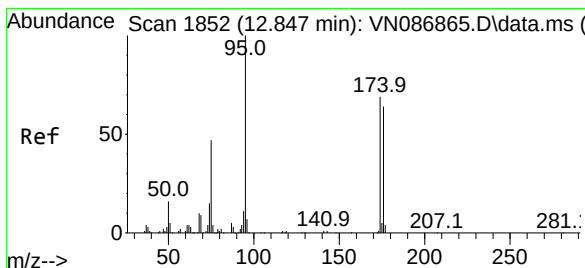
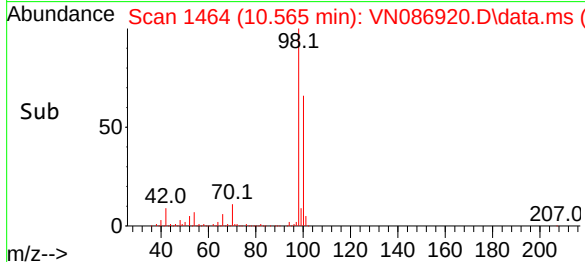
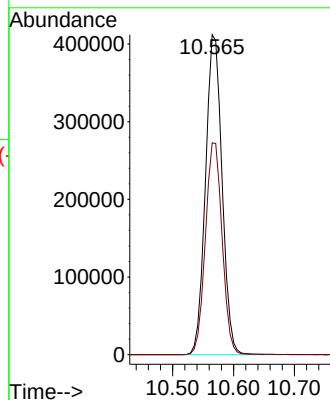
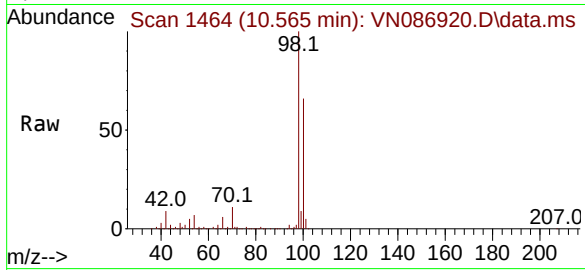




#50  
Toluene-d8  
Concen: 51.112 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN086920.D  
Acq: 10 Jun 2025 12:08

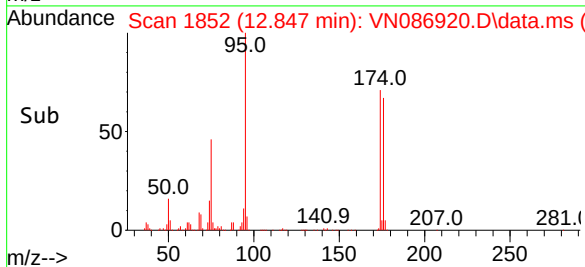
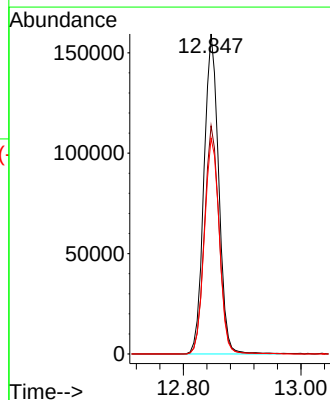
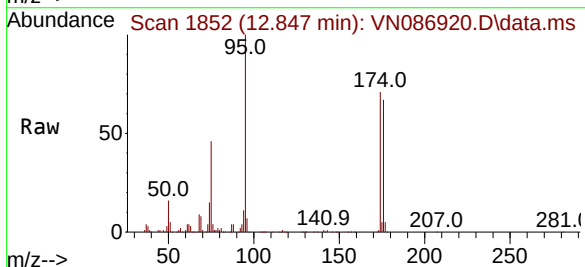
Instrument :  
MSVOA\_N  
ClientSampleId :  
TB-01-060525

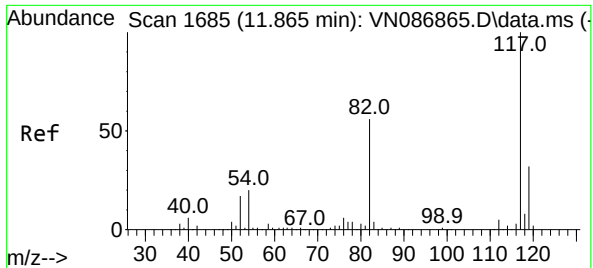
Tgt Ion: 98 Resp: 777698  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 49.082 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086920.D  
Acq: 10 Jun 2025 12:08

Tgt Ion: 95 Resp: 277459  
Ion Ratio Lower Upper  
95 100  
174 70.9 0.0 141.8  
176 67.9 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086920.D

Acq: 10 Jun 2025 12:08

Instrument :

MSVOA\_N

ClientSampleId :

TB-01-060525

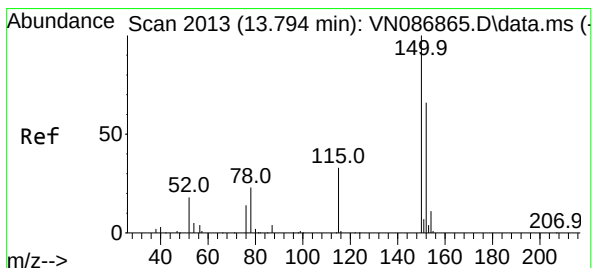
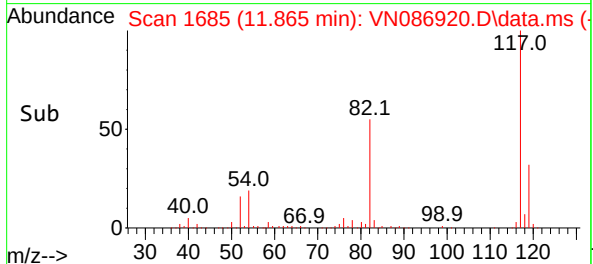
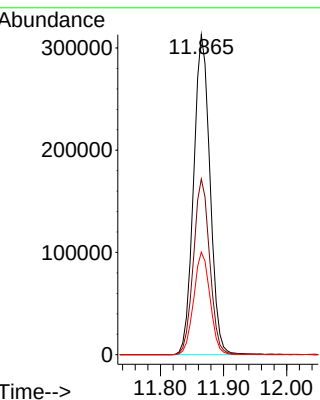
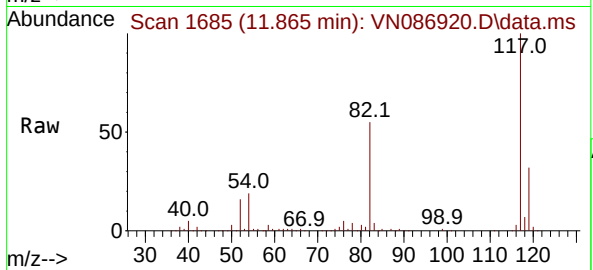
Tgt Ion:117 Resp: 563762

Ion Ratio Lower Upper

117 100

82 54.9 44.6 67.0

119 32.1 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086920.D

Acq: 10 Jun 2025 12:08

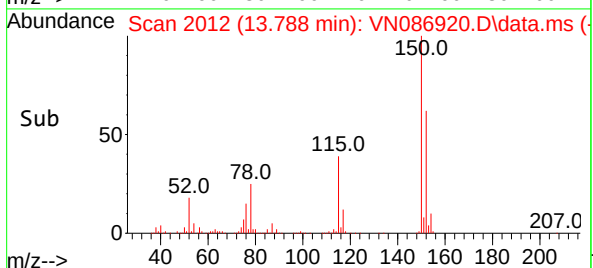
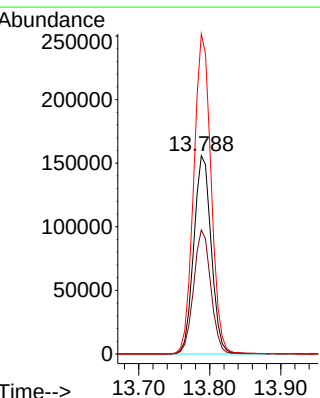
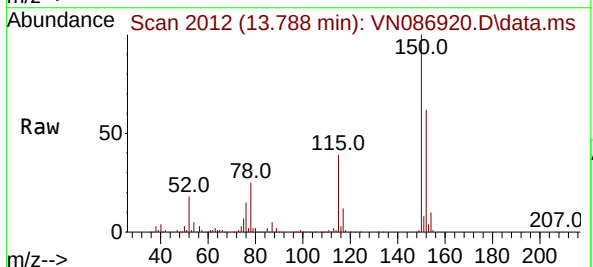
Tgt Ion:152 Resp: 266280

Ion Ratio Lower Upper

152 100

115 61.7 30.1 90.5

150 160.6 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086915.D  
Acq On : 10 Jun 2025 10:09  
Operator : JC\MD  
Sample : VN0610WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0610WBL01

Quant Time: Jun 11 01:48:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 241251   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 440901   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 386425   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 183380   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.589  | 65    | 150863   | 46.706   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.420%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 127940   | 48.965   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.940%  |
| 50) Toluene-d8              | 10.565 | 98    | 532983   | 51.527   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.060% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 188114   | 48.950   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 97.900%  |

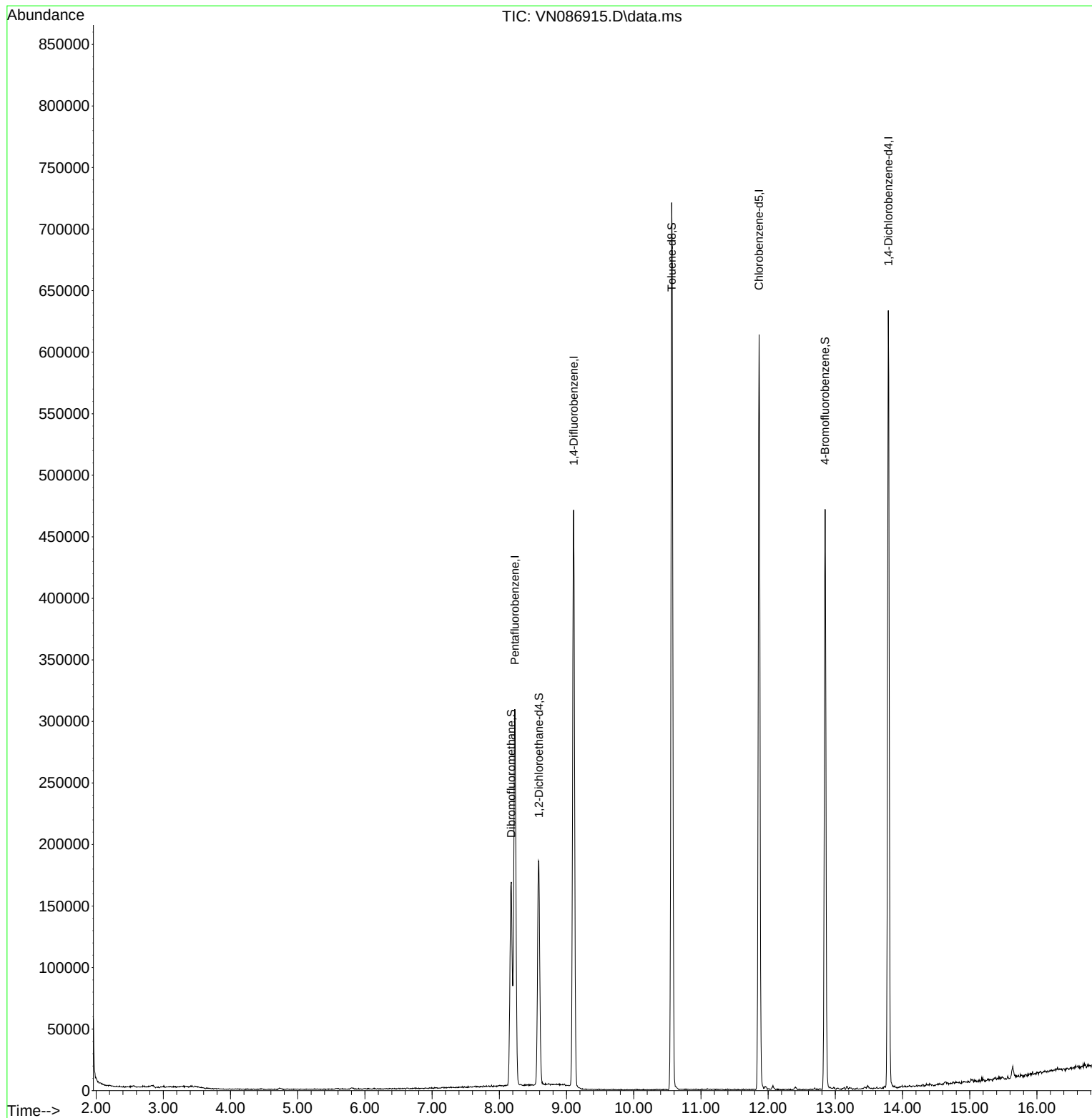
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

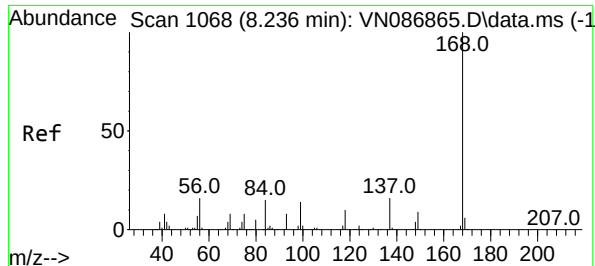
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086915.D  
Acq On : 10 Jun 2025 10:09  
Operator : JC\MD  
Sample : VN0610WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0610WBL01

Quant Time: Jun 11 01:48:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

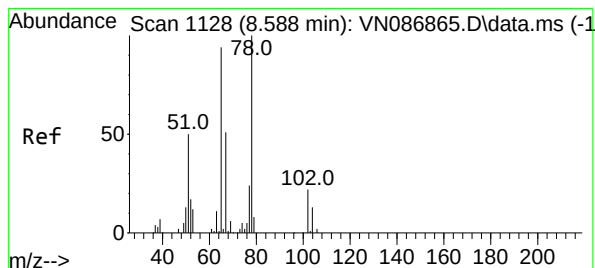
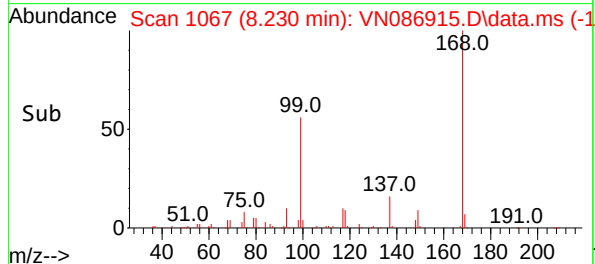
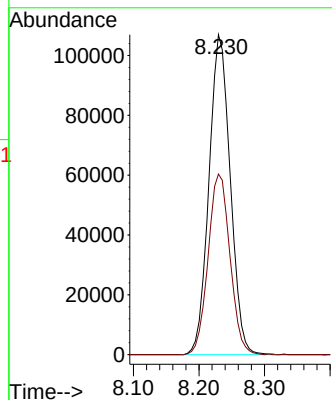
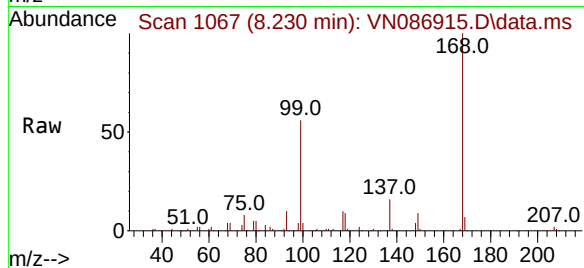




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN086915.D  
Acq: 10 Jun 2025 10:09

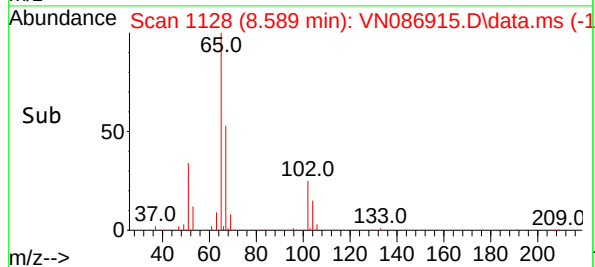
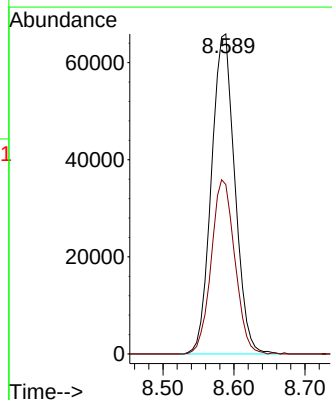
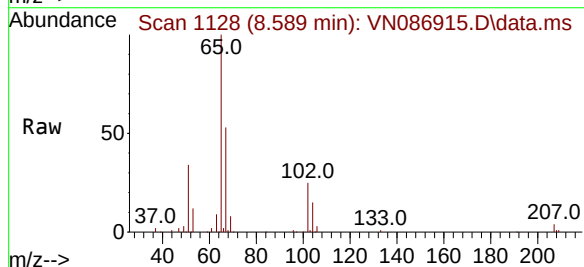
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0610WBL01

Tgt Ion:168 Resp: 241251  
Ion Ratio Lower Upper  
168 100  
99 56.4 49.1 73.7

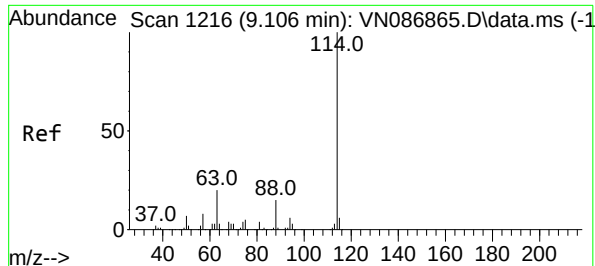


#33  
1,2-Dichloroethane-d4  
Concen: 46.706 ug/l  
RT: 8.589 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VN086915.D  
Acq: 10 Jun 2025 10:09

Tgt Ion: 65 Resp: 150863  
Ion Ratio Lower Upper  
65 100  
67 54.8 0.0 105.6







#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086915.D

Acq: 10 Jun 2025 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0610WBL01

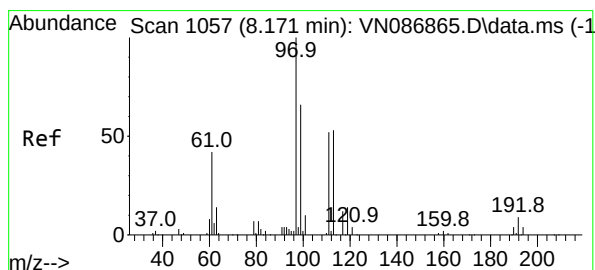
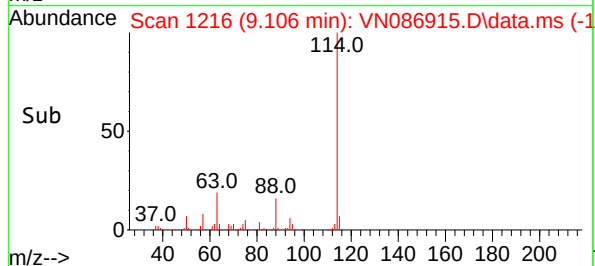
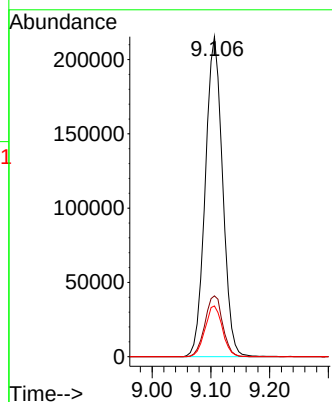
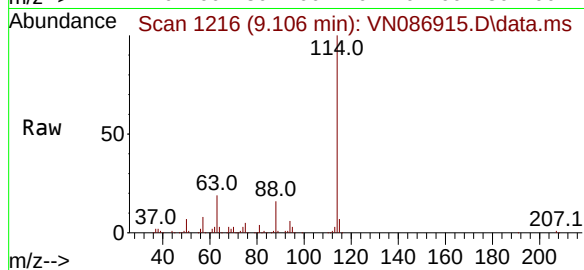
Tgt Ion:114 Resp: 440901

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.9 0.0 30.2



#35

Dibromofluoromethane

Concen: 48.965 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086915.D

Acq: 10 Jun 2025 10:09

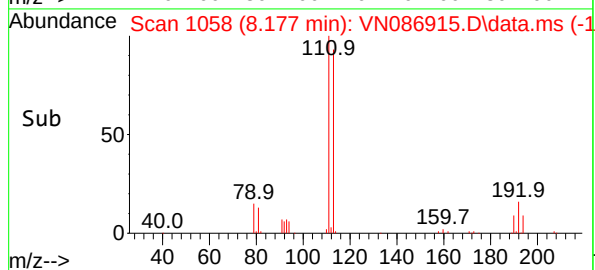
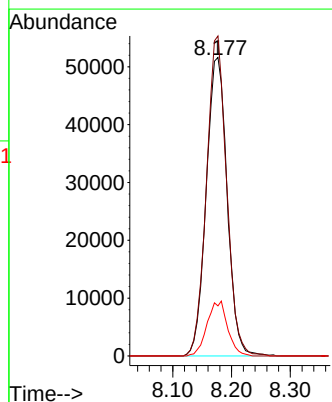
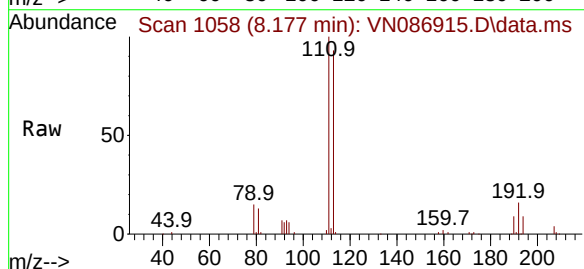
Tgt Ion:113 Resp: 127940

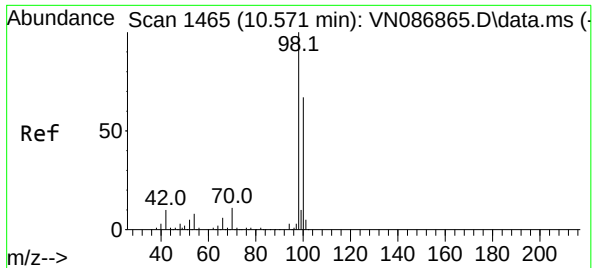
Ion Ratio Lower Upper

113 100

111 103.3 84.2 126.2

192 18.1 14.2 21.4

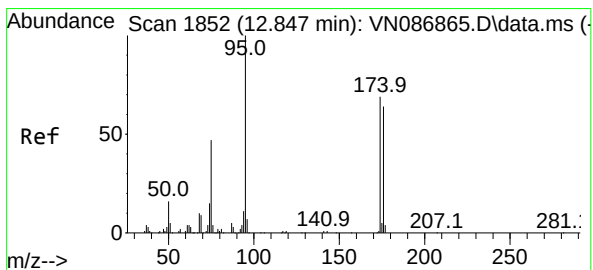
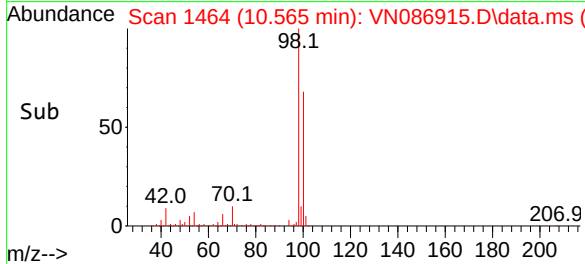
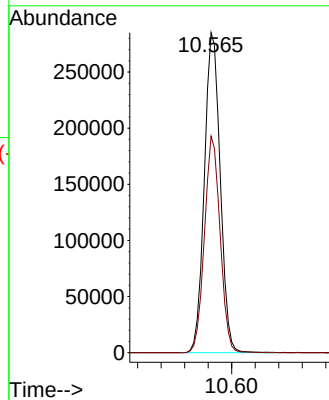
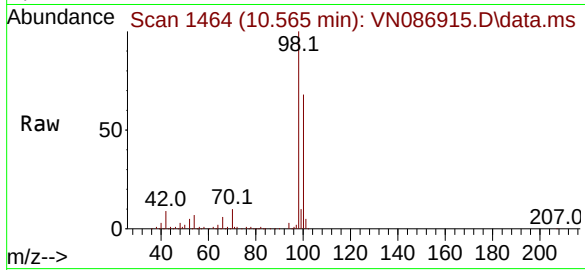




#50  
Toluene-d8  
Concen: 51.527 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN086915.D  
Acq: 10 Jun 2025 10:09

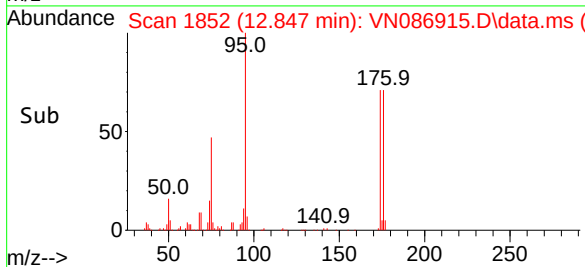
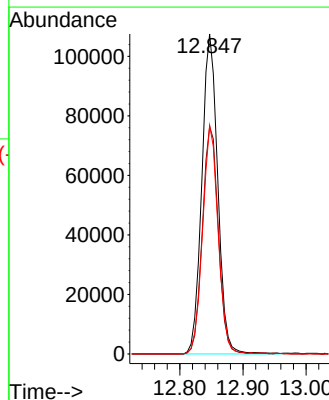
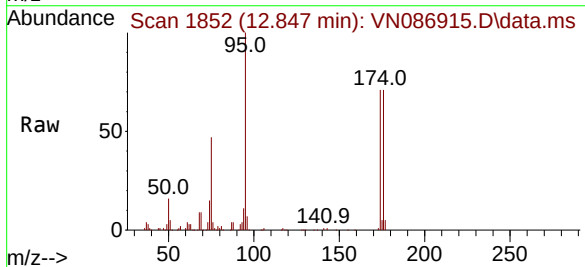
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0610WBL01

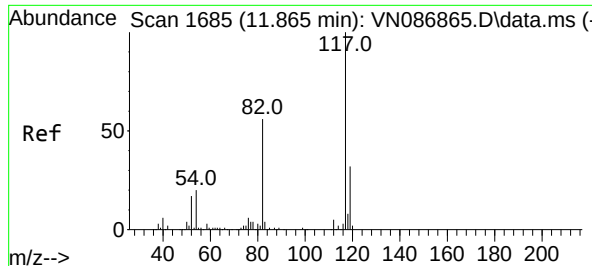
Tgt Ion: 98 Resp: 532983  
Ion Ratio Lower Upper  
98 100  
100 66.7 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 48.950 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. 0.000 min  
Lab File: VN086915.D  
Acq: 10 Jun 2025 10:09

Tgt Ion: 95 Resp: 188114  
Ion Ratio Lower Upper  
95 100  
174 71.2 0.0 141.8  
176 69.4 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086915.D

Acq: 10 Jun 2025 10:09

Instrument :

MSVOA\_N

ClientSampleId :

VN0610WBL01

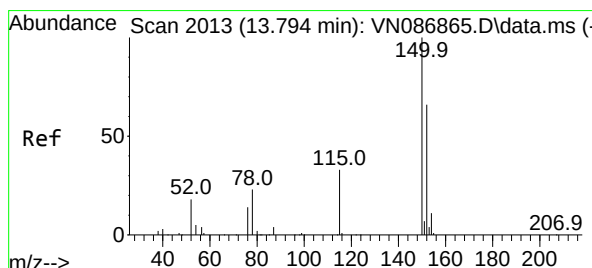
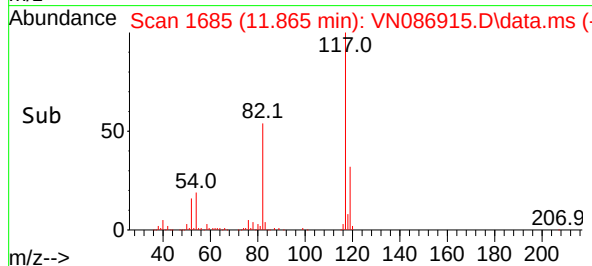
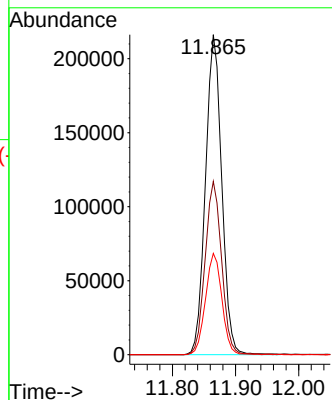
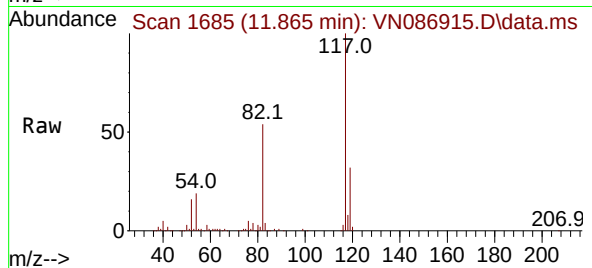
Tgt Ion:117 Resp: 386425

Ion Ratio Lower Upper

117 100

82 54.2 44.6 67.0

119 31.7 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086915.D

Acq: 10 Jun 2025 10:09

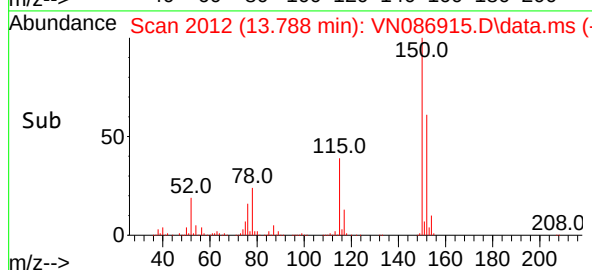
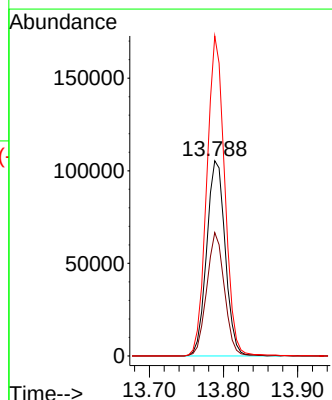
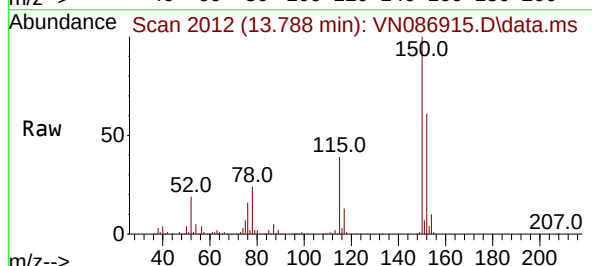
Tgt Ion:152 Resp: 183380

Ion Ratio Lower Upper

152 100

115 60.4 30.1 90.5

150 158.5 0.0 345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
Data File : VN086942.D  
Acq On : 11 Jun 2025 12:28  
Operator : JC\MD  
Sample : VN0611WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBL01

Quant Time: Jun 12 01:30:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.230  | 168  | 328120   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.106  | 114  | 618651   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.865 | 117  | 543433   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152  | 257257   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.583  | 65    | 212062   | 48.271   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.540%  |
| 35) Dibromofluoromethane    | 8.177  | 113   | 180701   | 49.287   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.580%  |
| 50) Toluene-d8              | 10.565 | 98    | 749967   | 51.673   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.340% |
| 62) 4-Bromofluorobenzene    | 12.847 | 95    | 266545   | 49.431   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 98.860%  |

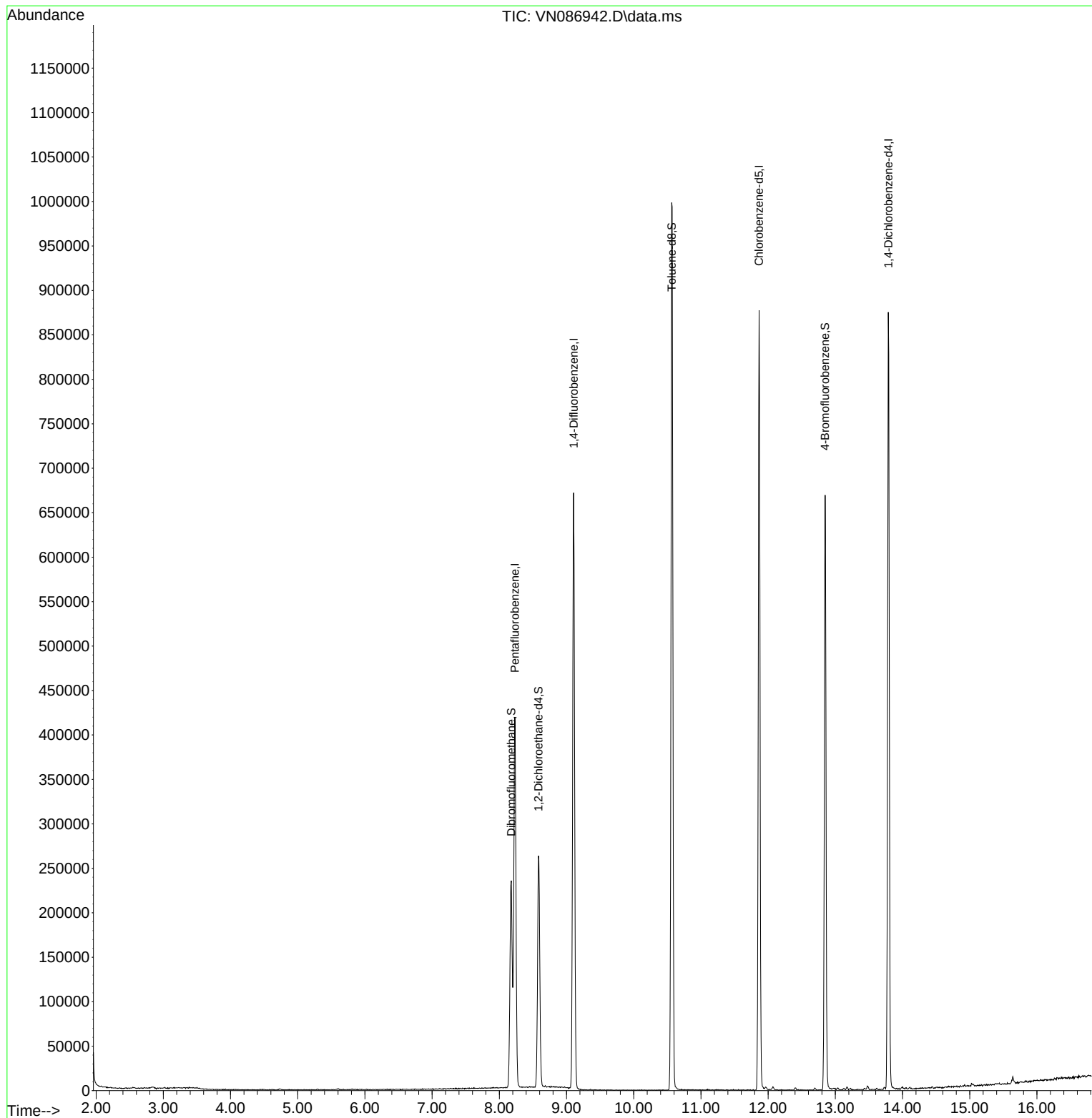
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

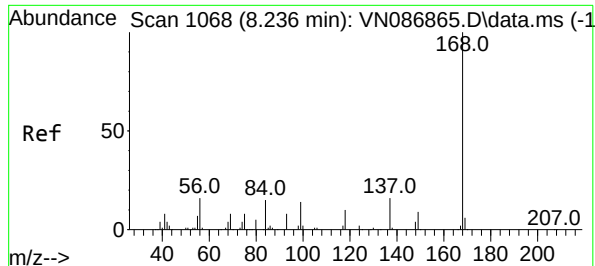
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
Data File : VN086942.D  
Acq On : 11 Jun 2025 12:28  
Operator : JC\MD  
Sample : VN0611WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBL01

Quant Time: Jun 12 01:30:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

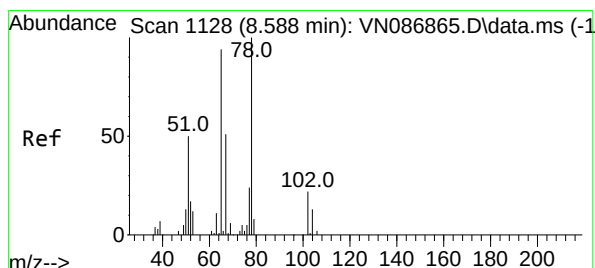
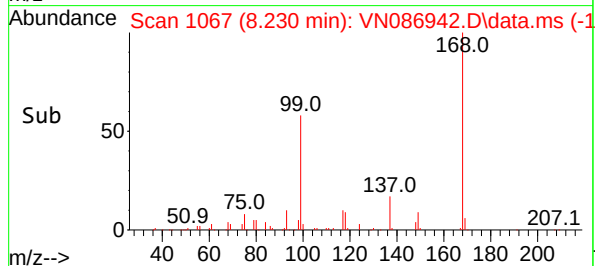
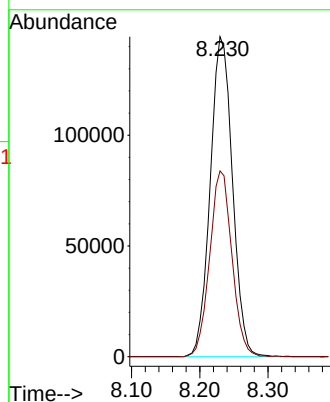
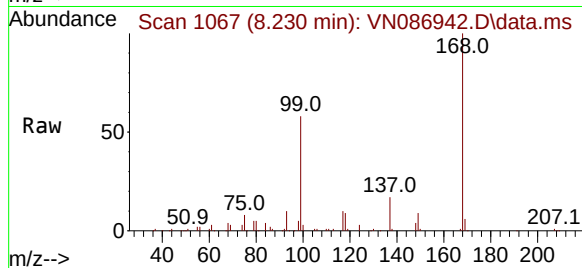




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.230 min Scan# 1068  
Delta R.T. -0.006 min  
Lab File: VN086942.D  
Acq: 11 Jun 2025 12:28

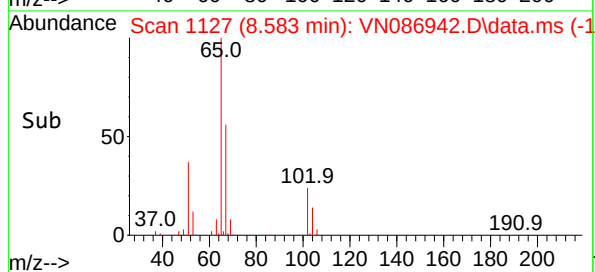
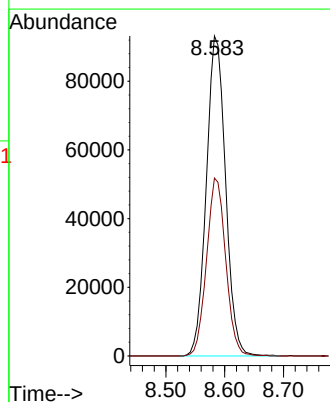
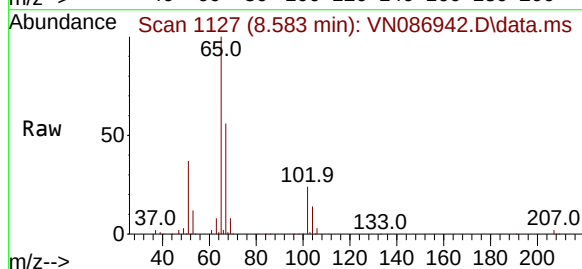
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBL01

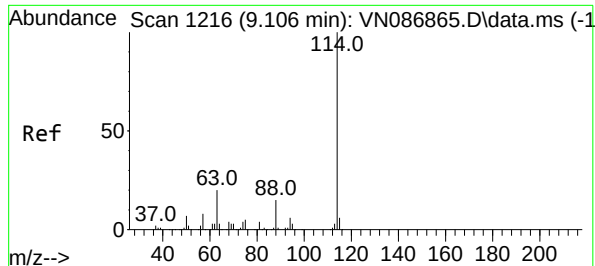
Tgt Ion:168 Resp: 328120  
Ion Ratio Lower Upper  
168 100  
99 58.0 49.1 73.7



#33  
1,2-Dichloroethane-d4  
Concen: 48.271 ug/l  
RT: 8.583 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VN086942.D  
Acq: 11 Jun 2025 12:28

Tgt Ion: 65 Resp: 212062  
Ion Ratio Lower Upper  
65 100  
67 55.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBL01

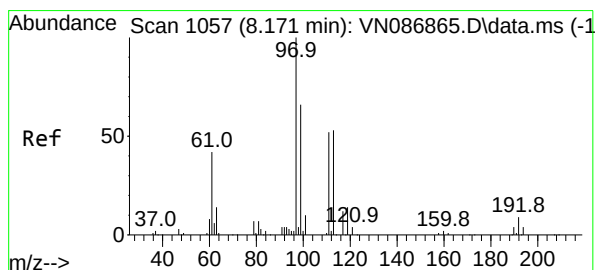
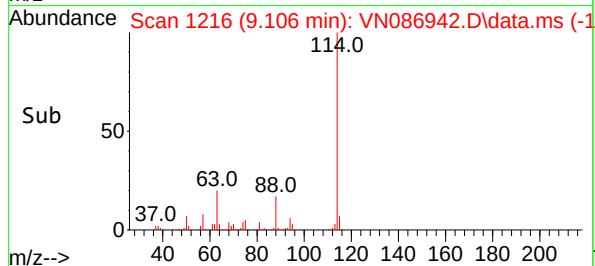
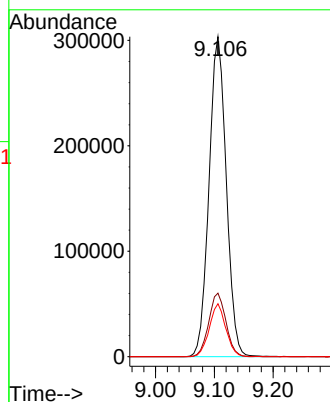
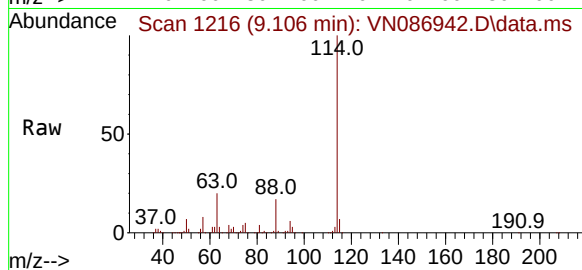
Tgt Ion:114 Resp: 618651

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.287 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

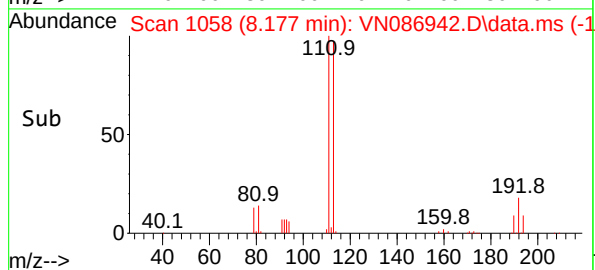
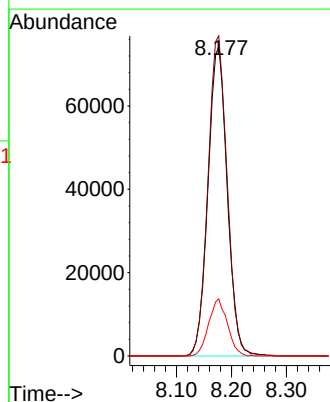
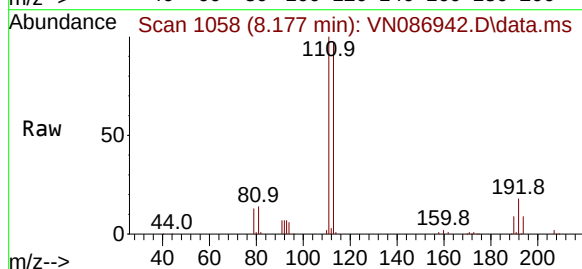
Tgt Ion:113 Resp: 180701

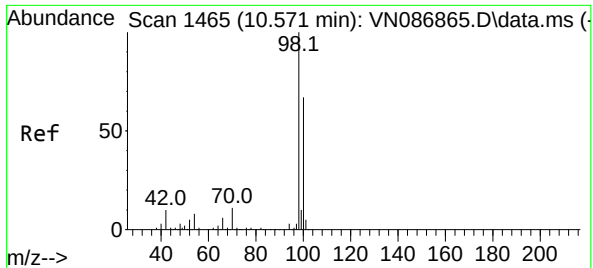
Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 18.0 14.2 21.4

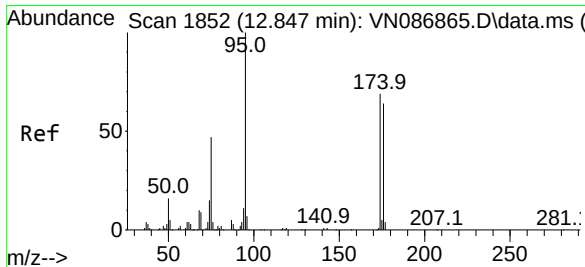
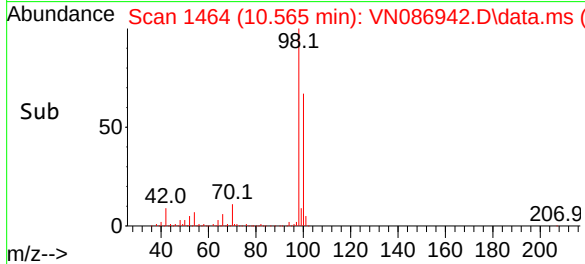
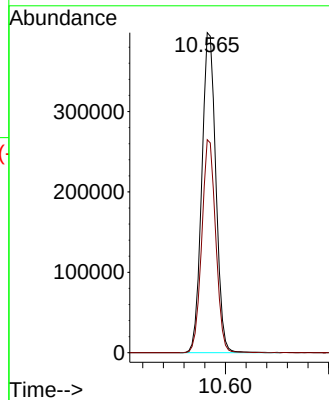
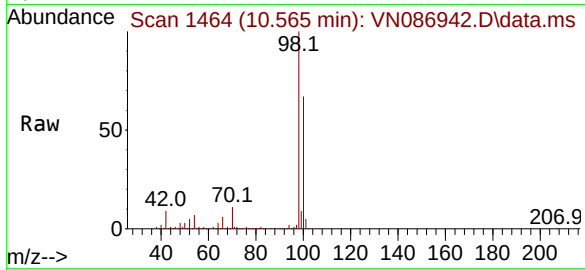




#50  
Toluene-d8  
Concen: 51.673 ug/l  
RT: 10.565 min Scan# 1464  
Delta R.T. -0.006 min  
Lab File: VN086942.D  
Acq: 11 Jun 2025 12:28

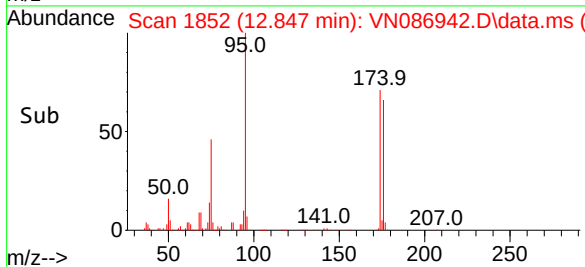
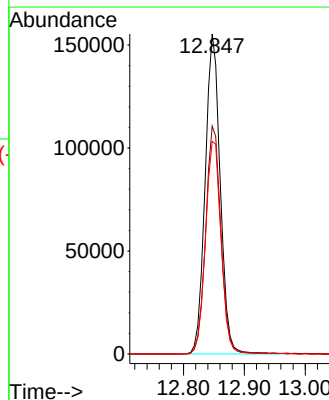
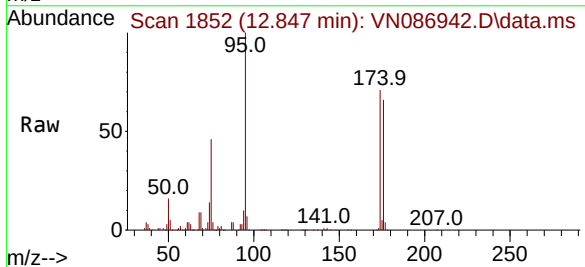
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBL01

Tgt Ion: 98 Resp: 749967  
Ion Ratio Lower Upper  
98 100  
100 66.0 53.4 80.0

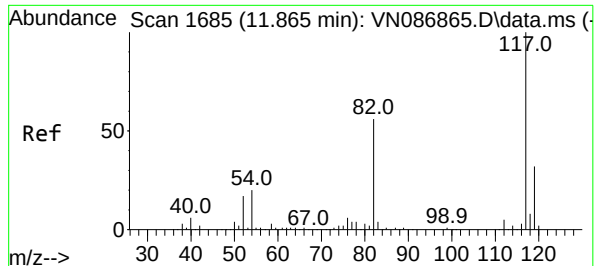


#62  
4-Bromofluorobenzene  
Concen: 49.431 ug/l  
RT: 12.847 min Scan# 1852  
Delta R.T. -0.000 min  
Lab File: VN086942.D  
Acq: 11 Jun 2025 12:28

Tgt Ion: 95 Resp: 266545  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 141.8  
176 68.8 0.0 132.6







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

Instrument :

MSVOA\_N

ClientSampleId :

VN0611WBL01

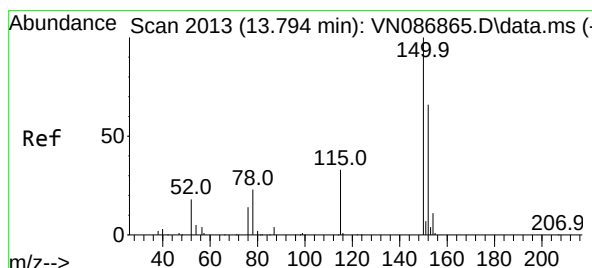
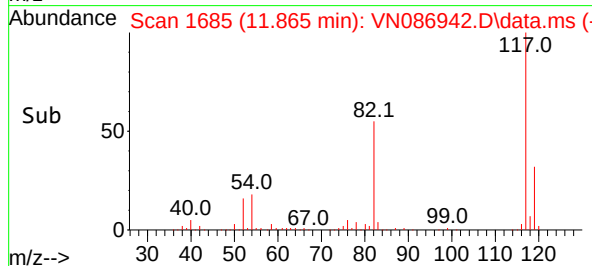
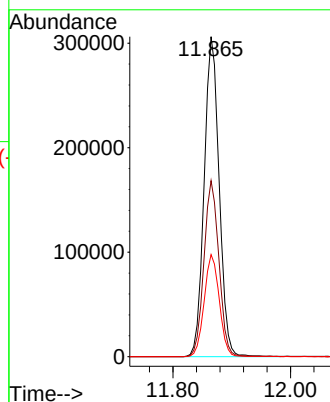
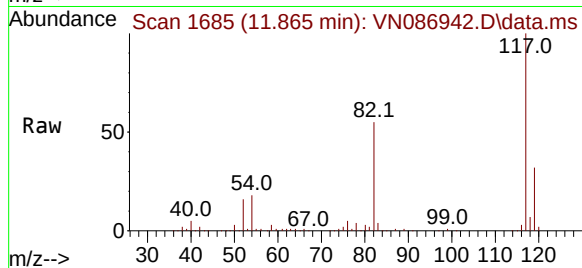
Tgt Ion:117 Resp: 543433

Ion Ratio Lower Upper

117 100

82 55.0 44.6 67.0

119 31.9 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086942.D

Acq: 11 Jun 2025 12:28

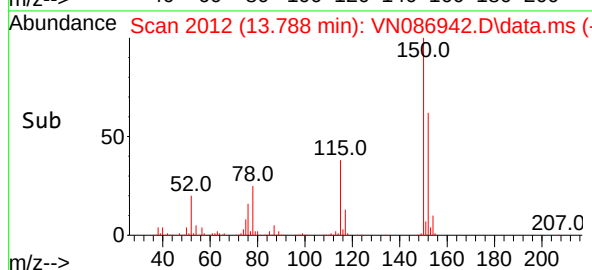
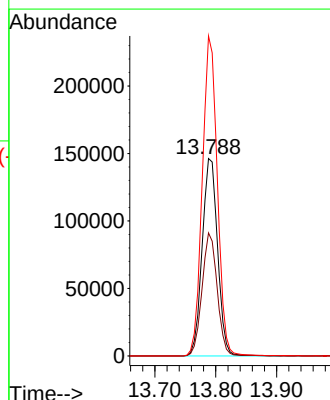
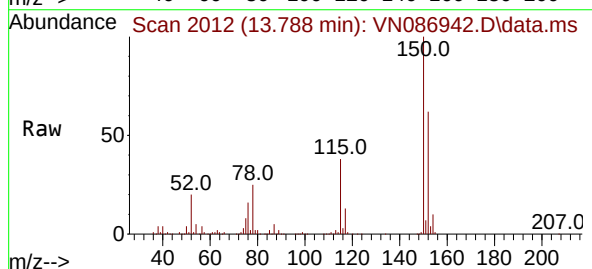
Tgt Ion:152 Resp: 257257

Ion Ratio Lower Upper

152 100

115 61.2 30.1 90.5

150 157.9 0.0 345.0



5

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086916.D  
 Acq On : 10 Jun 2025 10:30  
 Operator : JC\MD  
 Sample : VN0610WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0610WBS01

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025  
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 249843     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 443174     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 389297     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 189620     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.582          | 65   | 151805     | 45.381  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 90.760% |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 129937     | 49.474  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.940% |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 505508     | 48.620  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 97.240% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 186676     | 48.327  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 96.660% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.153          | 85   | 47416      | 19.034  | ug/l   | 98       |
| 3) Chloromethane             | 2.401          | 50   | 51246      | 15.931  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.553          | 62   | 59638      | 17.973  | ug/l   | 98       |
| 5) Bromomethane              | 3.000          | 94   | 36539      | 19.677  | ug/l   | 96       |
| 6) Chloroethane              | 3.159          | 64   | 39443      | 18.402  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 3.530          | 101  | 79526      | 18.343  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.983          | 74   | 35508      | 18.798  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.400          | 101  | 49596      | 18.208  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.612          | 142  | 51915      | 14.703  | ug/l   | 95       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 74605      | 82.194  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.365          | 96   | 52125      | 18.744  | ug/l   | 90       |
| 13) Acrolein                 | 4.200          | 56   | 22542      | 78.459  | ug/l   | 98       |
| 14) Allyl chloride           | 5.047          | 41   | 78157      | 16.947  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.741          | 53   | 189727     | 89.429  | ug/l   | 99       |
| 16) Acetone                  | 4.447          | 43   | 142458     | 80.306  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.736          | 76   | 131873     | 17.144  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.047          | 43   | 88551      | 17.129  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.812          | 73   | 187833     | 18.655  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.300          | 84   | 57671      | 17.365  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 5.812          | 96   | 55486      | 17.934  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.688          | 45   | 176809     | 18.188  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.618          | 43   | 744861     | 90.687  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.583          | 63   | 101669     | 18.173  | ug/l   | 98       |
| 25) 2-Butanone               | 7.494          | 43   | 242187     | 83.991  | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.500          | 77   | 89631      | 20.596  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.494          | 96   | 69159      | 18.691  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.824          | 49   | 45748      | 16.632  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.847          | 42   | 160591     | 85.494  | ug/l   | 97       |
| 30) Chloroform               | 7.977          | 83   | 101594     | 18.184  | ug/l   | 97       |
| 31) Cyclohexane              | 8.265          | 56   | 89487      | 16.494  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 85981      | 18.094  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.382          | 75   | 74129      | 18.942  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.571          | 43   | 88740      | 17.812  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 72144      | 18.777  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.606          | 83   | 85476      | 15.942  | ug/l   | 96       |
| 40) Benzene                  | 8.612          | 78   | 236213     | 18.458  | ug/l   | 99       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086916.D  
 Acq On : 10 Jun 2025 10:30  
 Operator : JC\MD  
 Sample : VN0610WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0610WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025  
 Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 48124    | 17.200  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 72690    | 18.727  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 144037   | 18.014  | ug/l   | 97       |
| 44) Trichloroethene           | 9.353  | 130  | 58449    | 19.262  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 58046    | 18.644  | ug/l   | 97       |
| 46) Dibromomethane            | 9.712  | 93   | 39229    | 18.970  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.888  | 83   | 80034    | 18.810  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.682  | 41   | 64650    | 17.567  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 23656    | 353.325 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 440301   | 91.469  | ug/l   | 98       |
| 52) Toluene                   | 10.629 | 92   | 148340   | 18.967  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 93038    | 19.555  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 98066    | 19.264  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 58629    | 19.483  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 93272    | 19.460  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 99132    | 18.990  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63   | 251485   | 87.967  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.206 | 43   | 271013   | 87.405  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.359 | 129  | 61081    | 19.481  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.470 | 107  | 58347    | 18.916  | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.106 | 164  | 44151    | 17.920  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.888 | 112  | 162051   | 18.874  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 52766    | 19.118  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 270410   | 18.284  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.070 | 106  | 213409   | 37.696  | ug/l   | 96       |
| 69) o-Xylene                  | 12.400 | 106  | 102597   | 18.922  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 176358   | 19.008  | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 41058    | 20.077  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.694 | 105  | 249411   | 18.055  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.529 | 43   | 98634m   | 20.433  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 90657    | 19.372  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 77098m   | 17.105  | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 61956    | 19.557  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.035 | 91   | 298896   | 17.805  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 183491   | 18.226  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 201924   | 17.705  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 39145    | 19.992  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 188207   | 18.476  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 186449   | 17.859  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 206670   | 18.071  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 255364   | 16.843  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 212141   | 16.927  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 117325   | 18.823  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 118648   | 18.671  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 197259   | 16.250  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.329 | 117  | 36492    | 17.178  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 112799   | 18.837  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 20803    | 18.587  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 64838    | 16.956  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 20732    | 14.552  | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 257750   | 18.109  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 59536    | 15.670  | ug/l   | 99       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086916.D  
Acq On : 10 Jun 2025 10:30  
Operator : JC\MD  
Sample : VN0610WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0610WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/11/2025  
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

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

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

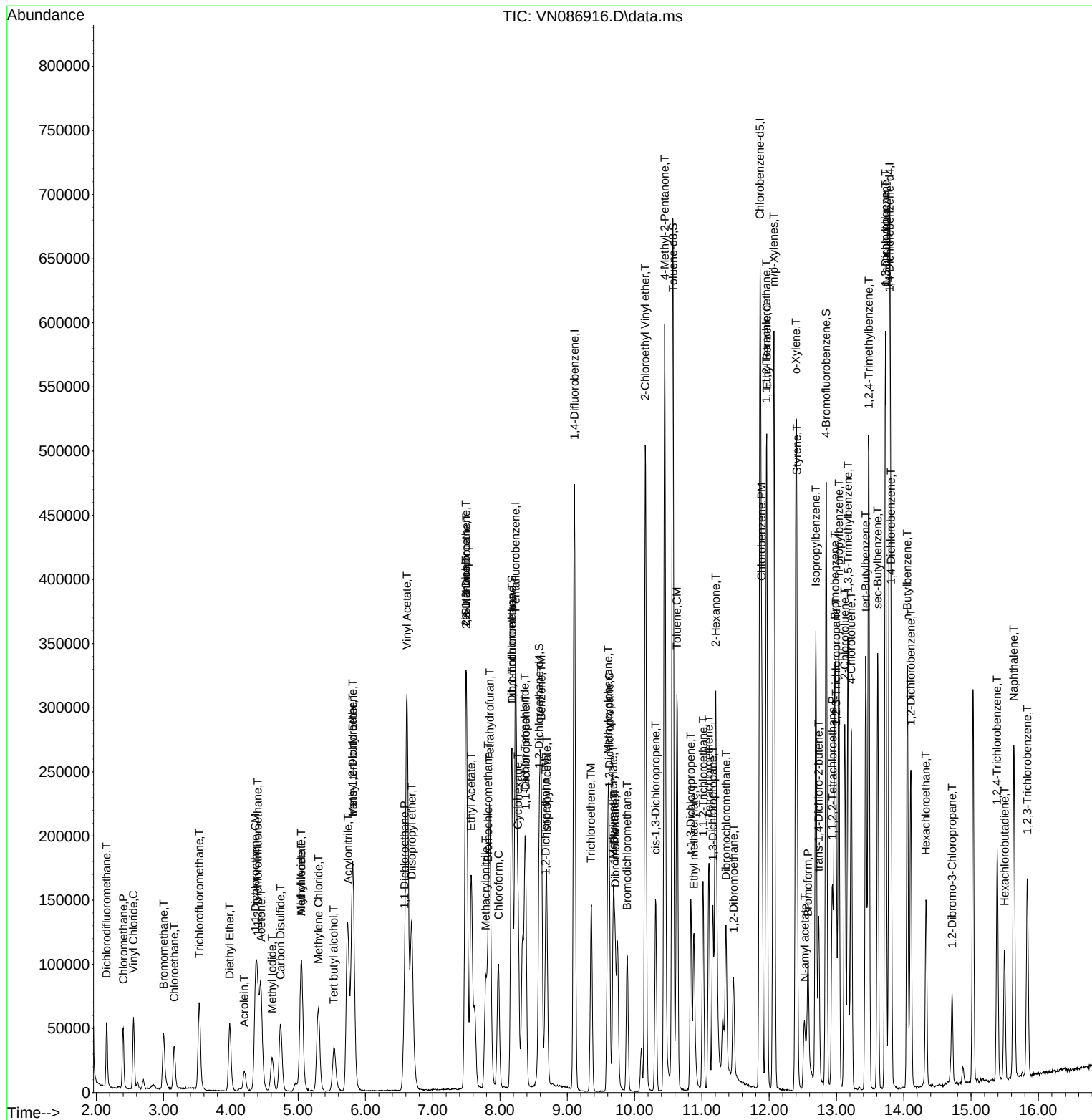
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086916.D  
Acq On : 10 Jun 2025 10:30  
Operator : JC\MD  
Sample : VN0610WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0610WBS01

## Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025  
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:48:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
 Data File : VN086944.D  
 Acq On : 11 Jun 2025 13:27  
 Operator : JC\MD  
 Sample : VN0611WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0611WBS02

### Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025  
 Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.235          | 168  | 206799     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 370524     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 321188     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 157403     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588          | 65   | 130342     | 47.075   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 94.160%  |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 112198     | 51.096   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 102.200% |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 423380     | 48.706   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 97.420%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 161321     | 49.951   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 99.900%  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.153          | 85   | 40672      | 19.725   | ug/l   | 100      |
| 3) Chloromethane             | 2.401          | 50   | 42812      | 16.079   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.553          | 62   | 51780      | 18.852   | ug/l   | 95       |
| 5) Bromomethane              | 3.000          | 94   | 25577      | 16.641   | ug/l   | 90       |
| 6) Chloroethane              | 3.153          | 64   | 34500      | 19.446   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.530          | 101  | 68752      | 19.159   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.983          | 74   | 30914      | 19.772   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.400          | 101  | 44117      | 19.568   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.612          | 142  | 36924      | 12.634   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.541          | 59   | 69743      | 92.831   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.365          | 96   | 44269      | 19.233   | ug/l   | 97       |
| 13) Acrolein                 | 4.206          | 56   | 22290      | 93.730   | ug/l   | 98       |
| 14) Allyl chloride           | 5.047          | 41   | 68027      | 17.821   | ug/l   | 97       |
| 15) Acrylonitrile            | 5.741          | 53   | 166971     | 95.084   | ug/l   | 100      |
| 16) Acetone                  | 4.447          | 43   | 145322     | 98.972   | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.742          | 76   | 113132     | 17.769   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.047          | 43   | 81357      | 19.013   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.812          | 73   | 163338     | 19.599   | ug/l   | 98       |
| 20) Methylene Chloride       | 5.294          | 84   | 52196      | 18.988   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.812          | 96   | 47284      | 18.464   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.688          | 45   | 155508     | 19.326   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.618          | 43   | 653278     | 96.092   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.588          | 63   | 89930      | 19.421   | ug/l   | 100      |
| 25) 2-Butanone               | 7.494          | 43   | 215760     | 90.401   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 7.500          | 77   | 78031      | 21.663   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.500          | 96   | 59578      | 19.453   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.824          | 49   | 45329      | 19.909   | ug/l   | 95       |
| 29) Tetrahydrofuran          | 7.853          | 42   | 143866     | 92.532   | ug/l   | 97       |
| 30) Chloroform               | 7.977          | 83   | 90272      | 19.521   | ug/l   | 98       |
| 31) Cyclohexane              | 8.265          | 56   | 79050      | 17.603   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.182          | 97   | 74861      | 19.033   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 63577      | 19.431   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.571          | 43   | 80415      | 19.306   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 61747      | 19.222   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.606          | 83   | 75971      | 16.947   | ug/l   | 98       |
| 40) Benzene                  | 8.612          | 78   | 206255     | 19.277   | ug/l   | 99       |



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
 Data File : VN086944.D  
 Acq On : 11 Jun 2025 13:27  
 Operator : JC\MD  
 Sample : VN0611WBS02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VN0611WBS02

## Manual Integrations

## APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M

Quant Title : SW846 8260

QLast Update : Sat Jun 07 02:12:50 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 42617    | 18.218  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 63379    | 19.530  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 126914   | 18.984  | ug/l   | 98       |
| 44) Trichloroethene           | 9.359  | 130  | 50593    | 19.942  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 51091    | 19.628  | ug/l   | 95       |
| 46) Dibromomethane            | 9.712  | 93   | 34741    | 20.093  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.894  | 83   | 69845    | 19.634  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 57757    | 18.771  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.706  | 88   | 22914    | 409.347 | ug/l # | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 394396   | 97.997  | ug/l   | 99       |
| 52) Toluene                   | 10.629 | 92   | 127563   | 19.509  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 79224    | 19.917  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 85586    | 20.109  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 51421    | 20.438  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 80942    | 20.198  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 85602    | 19.613  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 243584   | 101.910 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.206 | 43   | 231264   | 89.210  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.359 | 129  | 53655    | 20.468  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 50832    | 19.711  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 38926    | 19.150  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.894 | 112  | 141721   | 20.006  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 46404    | 20.378  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 239733   | 19.647  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.070 | 106  | 185026   | 39.613  | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 90240    | 20.172  | ug/l   | 99       |
| 70) Styrene                   | 12.412 | 104  | 154149   | 20.137  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 35350    | 20.952  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.694 | 105  | 221545   | 19.320  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.529 | 43   | 63289    | 15.794  | ug/l # | 85       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 81476    | 20.973  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 71582m   | 19.132  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 55176    | 20.981  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 267384   | 19.187  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 164813   | 19.721  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 181773   | 19.200  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 30121    | 18.532  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 13.217 | 91   | 167991   | 19.866  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 161593   | 18.646  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 182431   | 19.216  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.617 | 105  | 228907   | 18.189  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 192991   | 18.551  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 104883   | 20.271  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 107750   | 20.426  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 177482   | 17.613  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.329 | 117  | 33456    | 18.972  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 99394    | 19.995  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 17796    | 19.155  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 58509    | 18.433  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 19592    | 16.567  | ug/l   | 97       |
| 95) Naphthalene               | 15.635 | 128  | 232760   | 19.700  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 56144    | 17.802  | ug/l   | 98       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061125\  
Data File : VN086944.D  
Acq On : 11 Jun 2025 13:27  
Operator : JC\MD  
Sample : VN0611WBS02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0611WBS02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/12/2025  
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

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

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



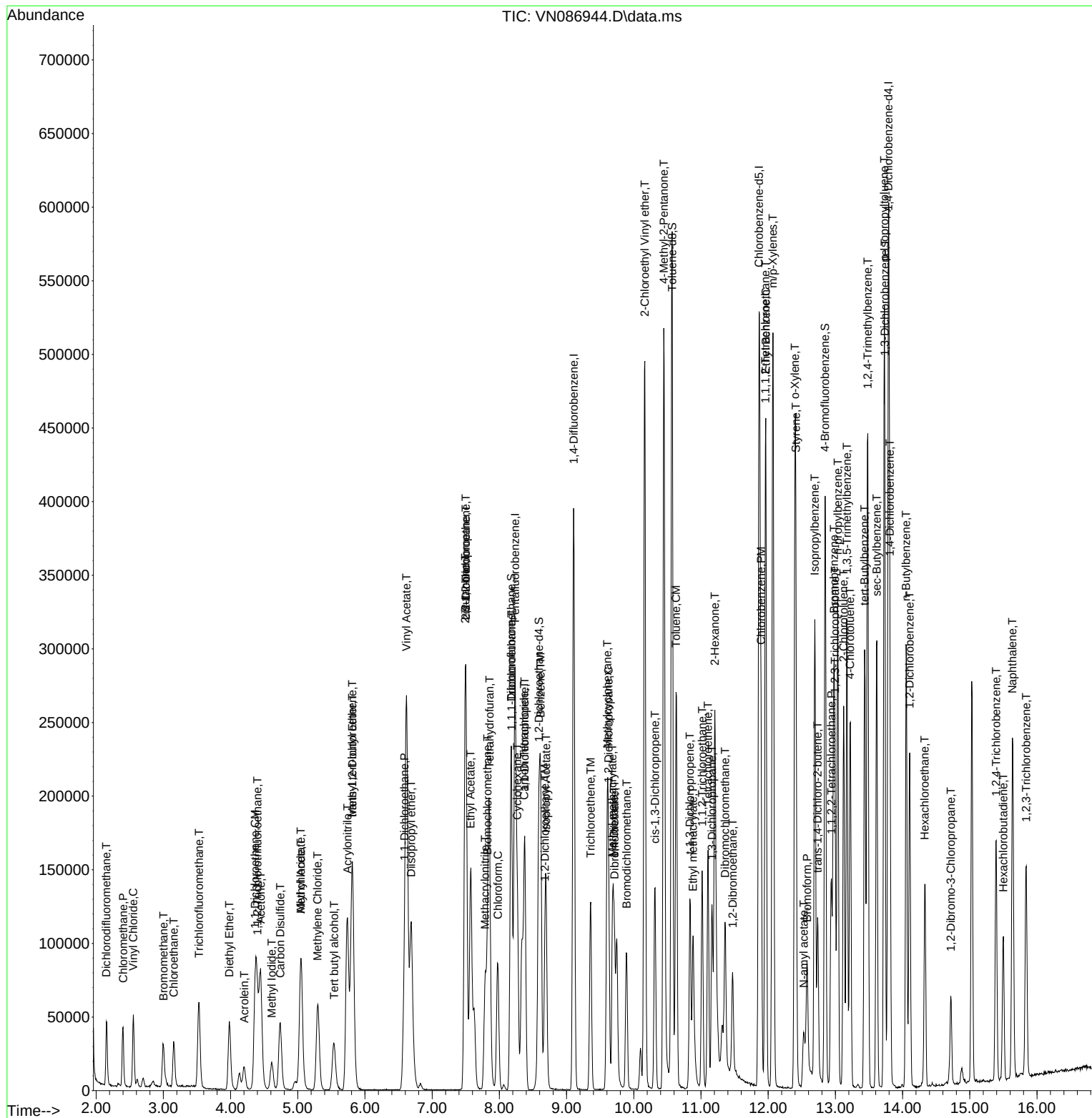
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Data File : VN086944.D  
Acq On : 11 Jun 2025 13:27  
Operator : JC\MD  
Sample : VN0611WBS02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0611WBS02

## Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025  
Supervised By :Semsettin Yesilyurt 06/12/2025

Quant Time: Jun 12 01:31:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086922.D  
 Acq On : 10 Jun 2025 12:51  
 Operator : JC\MD  
 Sample : Q2250-02MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MS

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025  
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:52:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 174378     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 310932     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 270945     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788         | 152  | 132628     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 116443     | 49.874   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 99.740%  |        |          |
| 35) Dibromofluoromethane     | 8.177          | 113  | 96506      | 52.373   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 104.740% |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 373191     | 51.160   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 102.320% |        |          |
| 62) 4-Bromofluorobenzene     | 12.847         | 95   | 138034     | 50.932   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 101.860% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.154          | 85   | 68302      | 39.284   | ug/l   | 96       |
| 3) Chloromethane             | 2.395          | 50   | 80842      | 36.007   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.554          | 62   | 116824     | 50.442   | ug/l   | 100      |
| 5) Bromomethane              | 3.001          | 94   | 51812      | 39.977   | ug/l   | 94       |
| 6) Chloroethane              | 3.159          | 64   | 58869      | 39.351   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.530          | 101  | 115932     | 38.313   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.989          | 74   | 51551      | 39.101   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.400          | 101  | 367438     | 193.276  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.618          | 142  | 79922      | 32.430   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 107683     | 169.980  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.371          | 96   | 92890      | 47.860   | ug/l   | 93       |
| 13) Acrolein                 | 4.200          | 56   | 33731      | 168.212  | ug/l   | 98       |
| 14) Allyl chloride           | 5.047          | 41   | 117940     | 36.641   | ug/l   | 96       |
| 15) Acrylonitrile            | 5.736          | 53   | 284483     | 192.124  | ug/l   | 98       |
| 16) Acetone                  | 4.448          | 43   | 215008     | 173.656  | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.742          | 76   | 196337     | 36.571   | ug/l   | 98       |
| 18) Methyl Acetate           | 5.047          | 43   | 132769     | 36.798   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.812          | 73   | 271783     | 38.674   | ug/l   | 98       |
| 20) Methylene Chloride       | 5.300          | 84   | 87753      | 37.857   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.806          | 96   | 102714     | 47.566   | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.689          | 45   | 255658     | 37.680   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.618          | 43   | 1062011    | 185.258  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.583          | 63   | 176376     | 45.171   | ug/l   | 99       |
| 25) 2-Butanone               | 7.494          | 43   | 364801     | 181.265  | ug/l # | 80       |
| 26) 2,2-Dichloropropane      | 7.506          | 77   | 128482     | 42.301   | ug/l # | 1        |
| 27) cis-1,2-Dichloroethene   | 7.500          | 96   | 4853647    | 1879.430 | ug/l   | 90       |
| 28) Bromochloromethane       | 7.824          | 49   | 78797      | 41.044   | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.847          | 42   | 239404     | 182.609  | ug/l   | 96       |
| 30) Chloroform               | 7.977          | 83   | 151067     | 38.741   | ug/l   | 99       |
| 31) Cyclohexane              | 8.265          | 56   | 123047     | 32.495   | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 123440     | 37.219   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 106081     | 38.635   | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.571          | 43   | 126676     | 36.242   | ug/l # | 79       |
| 38) Carbon Tetrachloride     | 8.371          | 117  | 102158     | 37.897   | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.606          | 83   | 118983     | 31.630   | ug/l   | 95       |
| 40) Benzene                  | 8.612          | 78   | 351060     | 39.099   | ug/l   | 98       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086922.D  
 Acq On : 10 Jun 2025 12:51  
 Operator : JC\MD  
 Sample : Q2250-02MS  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MS

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 06/11/2025  
 Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:52:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.788  | 41   | 70459    | 35.893   | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 106970   | 39.279   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.694  | 43   | 203030   | 36.190   | ug/l   | 98       |
| 44) Trichloroethene           | 9.359  | 130  | 6264273  | 2942.351 | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 84220    | 38.556   | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 58291    | 40.176   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 115490   | 38.688   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.682  | 41   | 95039    | 36.807   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 37276    | 793.544  | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 627690   | 185.856  | ug/l   | 97       |
| 52) Toluene                   | 10.629 | 92   | 211099   | 38.472   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 134072   | 40.165   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 141166   | 39.524   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 84553    | 40.047   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.882 | 69   | 138783   | 41.269   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 142808   | 38.991   | ug/l   | 98       |
| 59) 2-Hexanone                | 11.200 | 43   | 410712   | 188.796  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.359 | 129  | 88571    | 40.264   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 85449    | 39.485   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.106 | 164  | 97793    | 57.032   | ug/l   | 97       |
| 65) Chlorobenzene             | 11.894 | 112  | 236181   | 39.523   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 74715    | 38.896   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 387237   | 37.621   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 305789   | 77.607   | ug/l   | 97       |
| 69) o-Xylene                  | 12.394 | 106  | 147363   | 39.050   | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 254157   | 39.358   | ug/l   | 100      |
| 71) Bromoform                 | 12.576 | 173  | 59843    | 42.046   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.694 | 105  | 356009   | 36.846   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.512 | 43   | 142895m  | 42.322   | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 131015   | 40.025   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 111129m  | 35.250   | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 89530    | 40.405   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 421170   | 35.869   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 262472   | 37.274   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.170 | 105  | 287840   | 36.083   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 56257    | 41.077   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 272044   | 38.181   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.435 | 119  | 247652   | 33.915   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 294041   | 36.759   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 353284   | 33.315   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.723 | 119  | 297463   | 33.934   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 165194   | 37.892   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 172677   | 38.850   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 270209   | 31.824   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.329 | 117  | 52840    | 35.562   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 161871   | 38.647   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 28266    | 36.108   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 89607    | 33.503   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.494 | 225  | 26250    | 26.343   | ug/l   | 99       |
| 95) Naphthalene               | 15.635 | 128  | 365200   | 36.684   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 85176    | 32.053   | ug/l   | 99       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086922.D  
Acq On : 10 Jun 2025 12:51  
Operator : JC\MD  
Sample : Q2250-02MS  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525MS

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/11/2025  
Supervised By :Mahesh Dadoda 06/11/2025

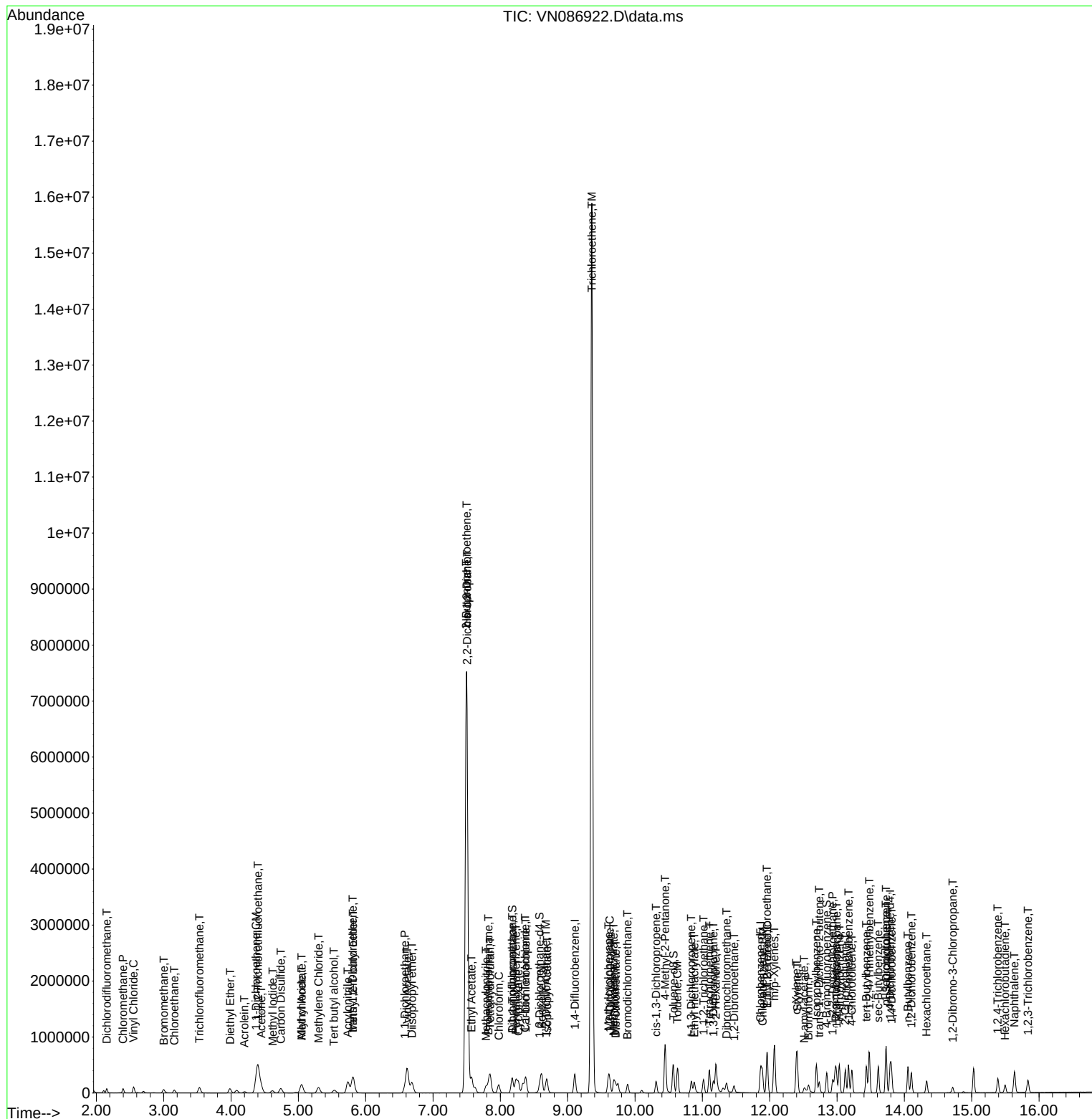
Quant Time: Jun 11 01:52:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
MW-11A-13.5-060525MS

## Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025  
Supervised By :Mahesh Dadoda 06/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086923.D  
 Acq On : 10 Jun 2025 13:12  
 Operator : JC\MD  
 Sample : Q2250-03MSD  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MSD

### Manual Integrations APPROVED

Reviewed By : John Carlone 06/11/2025  
 Supervised By : Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:53:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.230  | 168   | 172955   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106  | 114   | 309901   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865 | 117   | 266637   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.788 | 152   | 129873   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.588  | 65    | 121937   | 52.657   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 105.320% |
| 35) Dibromofluoromethane     | 8.177  | 113   | 103950   | 56.601   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 113.200% |
| 50) Toluene-d8               | 10.565 | 98    | 398352   | 54.791   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 109.580% |
| 62) 4-Bromofluorobenzene     | 12.847 | 95    | 149297   | 55.271   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 110.540% |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.154  | 85    | 73929    | 42.871   | ug/l   | 99       |
| 3) Chloromethane             | 2.395  | 50    | 84867    | 38.111   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.554  | 62    | 131440   | 57.220   | ug/l   | 98       |
| 5) Bromomethane              | 3.001  | 94    | 58237    | 45.304   | ug/l   | 96       |
| 6) Chloroethane              | 3.159  | 64    | 65054    | 43.843   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.530  | 101   | 127412   | 42.453   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.989  | 74    | 57896    | 44.275   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.401  | 101   | 438614   | 232.614  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.618  | 142   | 90414    | 36.989   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.536  | 59    | 118532   | 188.644  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.371  | 96    | 102158   | 53.068   | ug/l   | 93       |
| 13) Acrolein                 | 4.195  | 56    | 33620    | 169.038  | ug/l   | 100      |
| 14) Allyl chloride           | 5.053  | 41    | 127951   | 40.078   | ug/l   | 96       |
| 15) Acrylonitrile            | 5.736  | 53    | 308878   | 210.315  | ug/l   | 100      |
| 16) Acetone                  | 4.442  | 43    | 233959   | 190.517  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.742  | 76    | 217837   | 40.910   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.048  | 43    | 144814   | 40.466   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.812  | 73    | 300398   | 43.098   | ug/l   | 99       |
| 20) Methylene Chloride       | 5.300  | 84    | 95461    | 41.521   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.812  | 96    | 108472   | 50.646   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.689  | 45    | 277373   | 41.216   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.618  | 43    | 1159679  | 203.959  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.589  | 63    | 191588   | 49.470   | ug/l   | 98       |
| 25) 2-Butanone               | 7.494  | 43    | 391789   | 196.276  | ug/l # | 80       |
| 26) 2,2-Dichloropropane      | 7.506  | 77    | 139381   | 46.267   | ug/l # | 1        |
| 27) cis-1,2-Dichloroethene   | 7.500  | 96    | 5451059  | 2128.127 | ug/l   | 90       |
| 28) Bromochloromethane       | 7.824  | 49    | 74118    | 38.924   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.847  | 42    | 263616   | 202.731  | ug/l   | 96       |
| 30) Chloroform               | 7.977  | 83    | 162638   | 42.052   | ug/l   | 97       |
| 31) Cyclohexane              | 8.265  | 56    | 133904   | 35.653   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.177  | 97    | 136050   | 41.359   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.377  | 75    | 117527   | 42.946   | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.571  | 43    | 139485   | 40.039   | ug/l # | 79       |
| 38) Carbon Tetrachloride     | 8.371  | 117   | 113739   | 42.334   | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.606  | 83    | 133181   | 35.522   | ug/l   | 97       |
| 40) Benzene                  | 8.612  | 78    | 385021   | 43.024   | ug/l   | 99       |



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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
 Data File : VN086923.D  
 Acq On : 10 Jun 2025 13:12  
 Operator : JC\MD  
 Sample : Q2250-03MSD  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MSD

### Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025  
 Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:53:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 07 02:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 82542    | 42.189   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 116885   | 43.063   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.694  | 43   | 222284   | 39.754   | ug/l   | 96       |
| 44) Trichloroethene           | 9.359  | 130  | 6931651  | 3266.653 | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 92441    | 42.460   | ug/l   | 99       |
| 46) Dibromomethane            | 9.712  | 93   | 64838    | 44.837   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 126533   | 42.528   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.682  | 41   | 101839   | 39.572   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 40909    | 873.782  | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 702657   | 208.746  | ug/l   | 99       |
| 52) Toluene                   | 10.630 | 92   | 233021   | 42.608   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 146110   | 43.917   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 154243   | 43.329   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 93633    | 44.495   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 153861   | 45.905   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 155775   | 42.673   | ug/l   | 97       |
| 59) 2-Hexanone                | 11.200 | 43   | 455196   | 209.941  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.359 | 129  | 99583    | 45.420   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 92981    | 43.108   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 111429   | 66.034   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.894 | 112  | 259599   | 44.144   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131  | 84686    | 44.799   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 427727   | 42.226   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 333950   | 86.123   | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 162838   | 43.848   | ug/l   | 97       |
| 70) Styrene                   | 12.412 | 104  | 282053   | 44.384   | ug/l   | 99       |
| 71) Bromoform                 | 12.576 | 173  | 65807    | 46.983   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.694 | 105  | 394852   | 41.733   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.518 | 43   | 143729   | 43.473   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83   | 144127   | 44.965   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 118377m  | 38.345   | ug/l   |          |
| 77) Bromobenzene              | 12.976 | 156  | 99031    | 45.640   | ug/l   | 98       |
| 78) n-propylbenzene           | 13.035 | 91   | 464253   | 40.377   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.123 | 91   | 289730   | 42.017   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 13.171 | 105  | 321135   | 41.111   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 62181    | 46.366   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.218 | 91   | 298311   | 42.756   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.435 | 119  | 273596   | 38.263   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 326290   | 41.655   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.612 | 105  | 394374   | 37.979   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 332552   | 38.742   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.729 | 146  | 184900   | 43.312   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 191420   | 43.980   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.053 | 91   | 302661   | 36.403   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 57752    | 39.692   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 177603   | 43.302   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75   | 31210    | 40.715   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.388 | 180  | 98501    | 37.609   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.494 | 225  | 28911    | 29.629   | ug/l   | 98       |
| 95) Naphthalene               | 15.635 | 128  | 399267   | 40.957   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.835 | 180  | 93291    | 35.852   | ug/l   | 98       |

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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061025\  
Data File : VN086923.D  
Acq On : 10 Jun 2025 13:12  
Operator : JC\MD  
Sample : Q2250-03MSD  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-11A-13.5-060525MSD

Manual Integrations  
APPROVED

Reviewed By :John Carlone 06/11/2025  
Supervised By :Mahesh Dadoda 06/11/2025

Quant Time: Jun 11 01:53:29 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

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



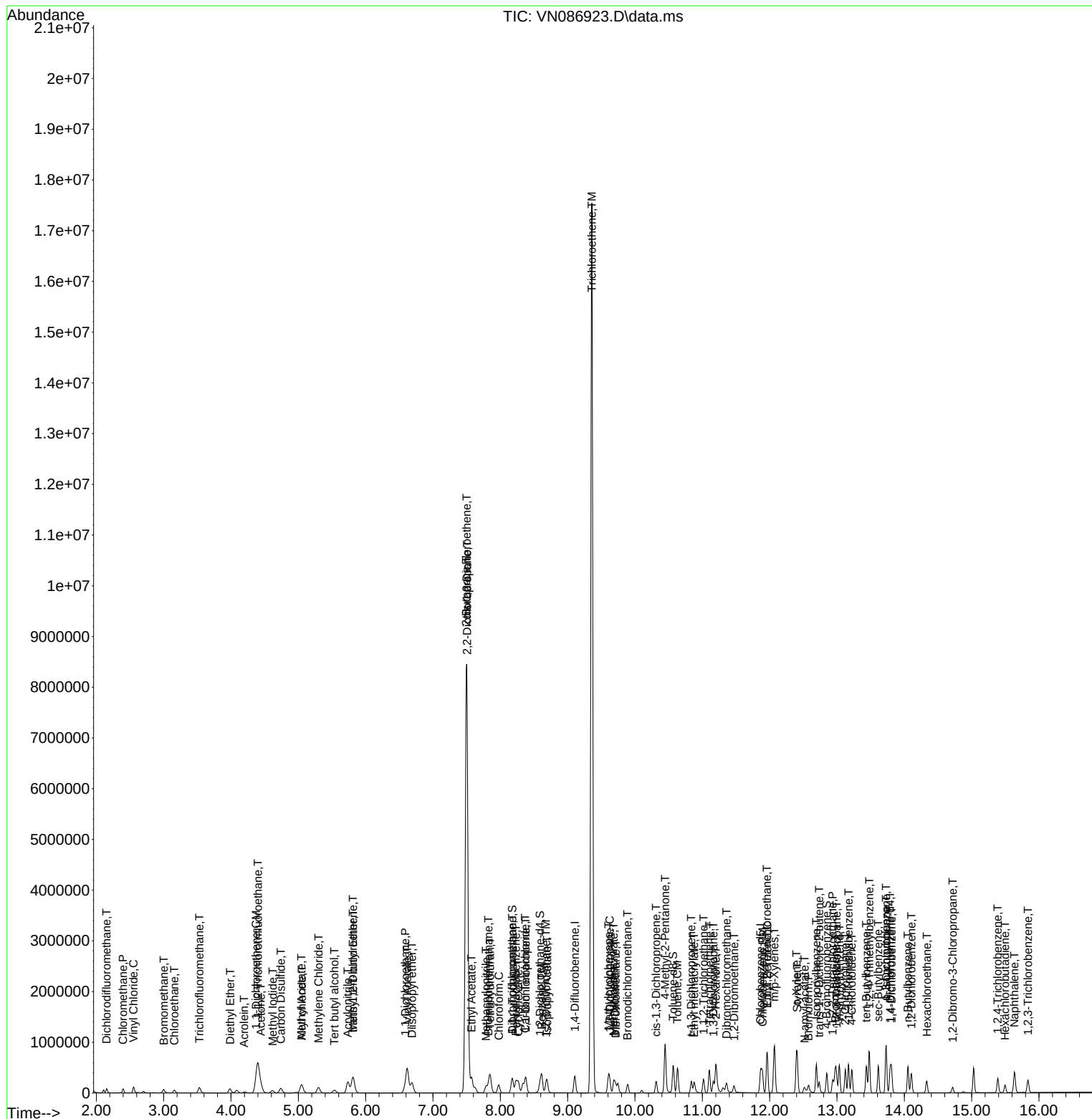
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\  
Data File : VN086923.D  
Acq On    : 10 Jun 2025  13:12  
Operator  : JC\MD  
Sample    : Q2250-03MSD  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 12   Sample Multiplier: 1
```

Quant Time: Jun 11 01:53:29 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N060625W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 07 02:12:50 2025  
Response via : Initial Calibration

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
MW-11A-13.5-060525MSD

## Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025  
Supervised By :Mahesh Dadoda 06/11/2025



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vn060625 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                      | Review By | Review On           | Supervised By | Supervised On       | Reason                      |
|-------------|------------|--------------------------------|-----------|---------------------|---------------|---------------------|-----------------------------|
| VSTDICC001  | VN086862.D | 1,1,2-Trichlorotrifluoroethane | JOHN      | 6/9/2025 8:02:09 AM | MMDadoda      | 6/9/2025 1:13:18 PM | Peak Integrated by Software |
| VSTDICC001  | VN086862.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:09 AM | MMDadoda      | 6/9/2025 1:13:18 PM | Peak Integrated by Software |
| VSTDICC001  | VN086862.D | 1,4-Dichlorobenzene            | JOHN      | 6/9/2025 8:02:09 AM | MMDadoda      | 6/9/2025 1:13:18 PM | Peak Integrated by Software |
| VSTDICC001  | VN086862.D | 2-Hexanone                     | JOHN      | 6/9/2025 8:02:09 AM | MMDadoda      | 6/9/2025 1:13:18 PM | Peak Integrated by Software |
| VSTDICC001  | VN086862.D | N-amyl acetate                 | JOHN      | 6/9/2025 8:02:09 AM | MMDadoda      | 6/9/2025 1:13:18 PM | Peak Integrated by Software |
| VSTDICC005  | VN086863.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:13 AM | MMDadoda      | 6/9/2025 1:13:19 PM | Peak Integrated by Software |
| VSTDICC005  | VN086863.D | N-amyl acetate                 | JOHN      | 6/9/2025 8:02:13 AM | MMDadoda      | 6/9/2025 1:13:19 PM | Peak Integrated by Software |
| VSTDICC020  | VN086864.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:19 AM | MMDadoda      | 6/9/2025 1:13:21 PM | Peak Integrated by Software |
| VSTDICCC050 | VN086865.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:25 AM | MMDadoda      | 6/9/2025 1:13:23 PM | Peak Integrated by Software |
| VSTDICC100  | VN086866.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:29 AM | MMDadoda      | 6/9/2025 1:13:28 PM | Peak Integrated by Software |
| VSTDICC150  | VN086867.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:34 AM | MMDadoda      | 6/9/2025 1:13:30 PM | Peak Integrated by Software |
| VSTDICV050  | VN086869.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:38 AM | MMDadoda      | 6/9/2025 1:13:34 PM | Peak Integrated by Software |
| VSTDCCC050  | VN086886.D | 1,2,3-Trichloropropane         | JOHN      | 6/9/2025 8:02:55 AM | MMDadoda      | 6/9/2025 1:13:44 PM | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

vn060625

Instrument

MSVOA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN061025 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                    | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDCCC050  | VN086913.D | 1,2,3-Trichloropropane       | JOHN      | 6/11/2025 9:51:44 AM | MMDadoda      | 6/11/2025 11:12:24 AM | Peak Integrated by Software |
| VSTDCCC050  | VN086913.D | trans-1,4-Dichloro-2-but ene | JOHN      | 6/11/2025 9:51:44 AM | MMDadoda      | 6/11/2025 11:12:24 AM | Peak Integrated by Software |
| VN0610WBS01 | VN086916.D | 1,2,3-Trichloropropane       | JOHN      | 6/11/2025 9:51:48 AM | MMDadoda      | 6/11/2025 11:12:38 AM | Peak Integrated by Software |
| VN0610WBS01 | VN086916.D | N-amyl acetate               | JOHN      | 6/11/2025 9:51:48 AM | MMDadoda      | 6/11/2025 11:12:38 AM | Peak Integrated by Software |
| Q2250-02MS  | VN086922.D | 1,2,3-Trichloropropane       | JOHN      | 6/11/2025 9:51:56 AM | MMDadoda      | 6/11/2025 11:12:42 AM | Peak Integrated by Software |
| Q2250-02MS  | VN086922.D | N-amyl acetate               | JOHN      | 6/11/2025 9:51:56 AM | MMDadoda      | 6/11/2025 11:12:42 AM | Peak Integrated by Software |
| Q2250-03MSD | VN086923.D | 1,2,3-Trichloropropane       | JOHN      | 6/11/2025 9:52:00 AM | MMDadoda      | 6/11/2025 11:12:43 AM | Peak Integrated by Software |
| VSTDCCC050  | VN086938.D | 1,2,3-Trichloropropane       | JOHN      | 6/11/2025 9:52:32 AM | MMDadoda      | 6/11/2025 11:12:50 AM | Peak Integrated by Software |
| VSTDCCC050  | VN086938.D | trans-1,4-Dichloro-2-but ene | JOHN      | 6/11/2025 9:52:32 AM | MMDadoda      | 6/11/2025 11:12:50 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vn061125 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050  | VN086940.D | 1,2,3-Trichloropropane | JOHN      | 6/12/2025 9:47:09 AM | Sam           | 6/12/2025 3:54:50 PM | Peak Integrated by Software |
| VN0611WBS02 | VN086944.D | 1,2,3-Trichloropropane | JOHN      | 6/12/2025 9:47:21 AM | Sam           | 6/12/2025 3:54:50 PM | Peak Integrated by Software |
| VSTDCCC050  | VN086965.D | 1,2,3-Trichloropropane | JOHN      | 6/12/2025 9:53:57 AM | Sam           | 6/12/2025 3:54:56 PM | Peak Integrated by Software |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN060625**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 6/9/2025 8:08:23 AM               |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 6/9/2025 1:13:51 PM               |
| SubDirectory             | VN060625                                              | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP134155                                              |                   |                                   |
| Initial Calibration Stds | VP134242,VP134243,VP134244,VP134245,VP134246,VP134247 |                   |                                   |
| CCC                      | VP134156                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP134248                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VN086861.D     | 06 Jun 2025 07:59 | JC\MD    | Ok     |
| 2   | VSTDIC001    | VN086862.D     | 06 Jun 2025 12:44 | JC\MD    | Ok,M   |
| 3   | VSTDIC005    | VN086863.D     | 06 Jun 2025 13:17 | JC\MD    | Ok,M   |
| 4   | VSTDIC020    | VN086864.D     | 06 Jun 2025 13:40 | JC\MD    | Ok,M   |
| 5   | VSTDIC050    | VN086865.D     | 06 Jun 2025 14:03 | JC\MD    | Ok,M   |
| 6   | VSTDIC100    | VN086866.D     | 06 Jun 2025 14:26 | JC\MD    | Ok,M   |
| 7   | VSTDIC150    | VN086867.D     | 06 Jun 2025 14:49 | JC\MD    | Ok,M   |
| 8   | IBLK         | VN086868.D     | 06 Jun 2025 15:12 | JC\MD    | Ok     |
| 9   | VSTDICV050   | VN086869.D     | 06 Jun 2025 15:54 | JC\MD    | Ok,M   |
| 10  | VN0606WBL01  | VN086870.D     | 06 Jun 2025 16:47 | JC\MD    | Ok     |
| 11  | VN0606WBL02  | VN086871.D     | 06 Jun 2025 17:10 | JC\MD    | Ok     |
| 12  | VN0606WBS01  | VN086872.D     | 06 Jun 2025 17:33 | JC\MD    | Ok,M   |
| 13  | VN0606WBSD01 | VN086873.D     | 06 Jun 2025 17:56 | JC\MD    | Ok,M   |
| 14  | Q2254-01     | VN086874.D     | 06 Jun 2025 18:19 | JC\MD    | Not Ok |
| 15  | Q2237-02     | VN086875.D     | 06 Jun 2025 18:42 | JC\MD    | Ok     |
| 16  | Q2216-02     | VN086876.D     | 06 Jun 2025 19:05 | JC\MD    | Ok     |
| 17  | Q2216-03     | VN086877.D     | 06 Jun 2025 19:28 | JC\MD    | Ok     |
| 18  | Q2216-04     | VN086878.D     | 06 Jun 2025 19:51 | JC\MD    | Ok     |
| 19  | Q2216-05     | VN086879.D     | 06 Jun 2025 20:13 | JC\MD    | Not Ok |
| 20  | Q2216-06     | VN086880.D     | 06 Jun 2025 20:36 | JC\MD    | Not Ok |
| 21  | Q2206-04     | VN086881.D     | 06 Jun 2025 20:59 | JC\MD    | Not Ok |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN060625**

| Review By                | John Carlone                                          | Review On         | 6/9/2025 8:08:23 AM               |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 6/9/2025 1:13:51 PM               |
| SubDirectory             | VN060625                                              | HP Acquire Method | HP Processing Method 82N060625W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP134155                                              |                   |                                   |
| Initial Calibration Stds | VP134242,VP134243,VP134244,VP134245,VP134246,VP134247 |                   |                                   |
| CCC                      | VP134156                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP134248                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q2242-04   | VN086882.D | 06 Jun 2025 21:21 | JC\MD | Not Ok |
| 23 | Q2192-01   | VN086883.D | 06 Jun 2025 21:44 | JC\MD | Not Ok |
| 24 | Q2198-02   | VN086884.D | 06 Jun 2025 22:07 | JC\MD | Not Ok |
| 25 | Q2198-04   | VN086885.D | 06 Jun 2025 22:29 | JC\MD | Not Ok |
| 26 | VSTDCCC050 | VN086886.D | 06 Jun 2025 22:52 | JC\MD | Not Ok |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN061025**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 6/11/2025 9:59:27 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 6/11/2025 11:14:28 AM             |
| SubDirectory                                                                                       | VN061025          | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134203          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134204,VP134205 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VN086912.D     | 10 Jun 2025 08:39 | JC\MD    | Ok       |
| 2   | VSTDCCC050   | VN086913.D     | 10 Jun 2025 09:13 | JC\MD    | Ok,M     |
| 3   | VN0610MBL01  | VN086914.D     | 10 Jun 2025 09:47 | JC\MD    | Ok       |
| 4   | VN0610WBL01  | VN086915.D     | 10 Jun 2025 10:09 | JC\MD    | Ok       |
| 5   | VN0610WBS01  | VN086916.D     | 10 Jun 2025 10:30 | JC\MD    | Ok,M     |
| 6   | VN0610WBSD01 | VN086917.D     | 10 Jun 2025 11:04 | JC\MD    | Ok,M     |
| 7   | IBLK         | VN086918.D     | 10 Jun 2025 11:25 | JC\MD    | Ok       |
| 8   | Q2250-05     | VN086919.D     | 10 Jun 2025 11:47 | JC\MD    | Ok       |
| 9   | Q2250-06     | VN086920.D     | 10 Jun 2025 12:08 | JC\MD    | Ok       |
| 10  | Q2250-01     | VN086921.D     | 10 Jun 2025 12:30 | JC\MD    | Dilution |
| 11  | Q2250-02MS   | VN086922.D     | 10 Jun 2025 12:51 | JC\MD    | Ok,M     |
| 12  | Q2250-03MSD  | VN086923.D     | 10 Jun 2025 13:12 | JC\MD    | Ok,M     |
| 13  | IBLK         | VN086924.D     | 10 Jun 2025 13:34 | JC\MD    | Ok       |
| 14  | Q2251-01     | VN086925.D     | 10 Jun 2025 13:55 | JC\MD    | Not Ok   |
| 15  | Q2251-06     | VN086926.D     | 10 Jun 2025 14:17 | JC\MD    | Not Ok   |
| 16  | Q2251-05     | VN086927.D     | 10 Jun 2025 14:38 | JC\MD    | ReRun    |
| 17  | Q2251-02     | VN086928.D     | 10 Jun 2025 15:00 | JC\MD    | Ok       |
| 18  | Q2251-03     | VN086929.D     | 10 Jun 2025 15:22 | JC\MD    | Ok       |
| 19  | IBLK         | VN086930.D     | 10 Jun 2025 15:43 | JC\MD    | Ok       |
| 20  | IBLK         | VN086931.D     | 10 Jun 2025 16:05 | JC\MD    | Ok       |
| 21  | Q2251-01     | VN086932.D     | 10 Jun 2025 16:26 | JC\MD    | Ok       |



Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QCBatch ID # VN061025**

| Review By                                                                                          | John Carlone      | Review On         | 6/11/2025 9:59:27 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 6/11/2025 11:14:28 AM             |
| SubDirectory                                                                                       | VN061025          | HP Acquire Method | HP Processing Method 82N060625W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134203          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134204,VP134205 |                   |                                   |

|    |            |            |                   |       |          |
|----|------------|------------|-------------------|-------|----------|
| 22 | Q2251-05   | VN086933.D | 10 Jun 2025 16:48 | JC\MD | Ok       |
| 23 | Q2202-01   | VN086934.D | 10 Jun 2025 17:09 | JC\MD | Ok       |
| 24 | Q2202-02   | VN086935.D | 10 Jun 2025 17:31 | JC\MD | Ok       |
| 25 | Q2202-03   | VN086936.D | 10 Jun 2025 17:52 | JC\MD | Dilution |
| 26 | Q2279-01   | VN086937.D | 10 Jun 2025 18:14 | JC\MD | Ok       |
| 27 | VSTDCCC050 | VN086938.D | 10 Jun 2025 18:57 | JC\MD | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_N

## Daily Analysis Runlog For Sequence/QC Batch ID # VN061125

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 6/12/2025 9:57:37 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 6/12/2025 3:55:33 PM              |
| SubDirectory                                                                                       | VN061125            | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134284            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134285,VP134286   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VN086939.D     | 11 Jun 2025 10:22 | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VN086940.D     | 11 Jun 2025 11:32 | JC\MD    | Ok,M   |
| 3   | VN0611MBL01  | VN086941.D     | 11 Jun 2025 12:06 | JC\MD    | Ok     |
| 4   | VN0611WBL01  | VN086942.D     | 11 Jun 2025 12:28 | JC\MD    | Ok     |
| 5   | VN0611WBS01  | VN086943.D     | 11 Jun 2025 12:50 | JC\MD    | Not Ok |
| 6   | VN0611WBS02  | VN086944.D     | 11 Jun 2025 13:27 | JC\MD    | Ok,M   |
| 7   | VN0611WBSD02 | VN086945.D     | 11 Jun 2025 14:01 | JC\MD    | Ok,M   |
| 8   | Q2251-06     | VN086946.D     | 11 Jun 2025 14:22 | JC\MD    | Ok     |
| 9   | Q2202-03DL   | VN086947.D     | 11 Jun 2025 14:44 | JC\MD    | Ok,M   |
| 10  | Q2250-01DL   | VN086948.D     | 11 Jun 2025 15:06 | JC\MD    | Ok     |
| 11  | Q2202-06     | VN086949.D     | 11 Jun 2025 15:28 | JC\MD    | Ok     |
| 12  | Q2189-01     | VN086950.D     | 11 Jun 2025 15:50 | JC\MD    | Ok     |
| 13  | Q2202-05     | VN086951.D     | 11 Jun 2025 16:12 | JC\MD    | Ok     |
| 14  | Q2202-04     | VN086952.D     | 11 Jun 2025 16:35 | JC\MD    | Ok     |
| 15  | Q2231-01     | VN086953.D     | 11 Jun 2025 16:57 | JC\MD    | Ok     |
| 16  | Q2231-02     | VN086954.D     | 11 Jun 2025 17:19 | JC\MD    | Ok,M   |
| 17  | Q2231-03     | VN086955.D     | 11 Jun 2025 17:41 | JC\MD    | Ok     |
| 18  | Q2231-04     | VN086956.D     | 11 Jun 2025 18:04 | JC\MD    | Ok     |
| 19  | Q2231-05     | VN086957.D     | 11 Jun 2025 18:26 | JC\MD    | Ok     |
| 20  | Q2231-06     | VN086958.D     | 11 Jun 2025 18:48 | JC\MD    | Ok     |
| 21  | Q2210-01     | VN086959.D     | 11 Jun 2025 19:10 | JC\MD    | Ok     |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN061125**

| Review By                                                                                          | John Carlone        | Review On         | 6/12/2025 9:57:37 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 6/12/2025 3:55:33 PM              |
| SubDirectory                                                                                       | VN061125            | HP Acquire Method | HP Processing Method 82N060625W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134284            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134285,VP134286   |                   |                                   |

|    |            |            |                   |       |      |
|----|------------|------------|-------------------|-------|------|
| 22 | Q2209-01   | VN086960.D | 11 Jun 2025 19:33 | JC\MD | Ok   |
| 23 | IBLK       | VN086961.D | 11 Jun 2025 19:55 | JC\MD | Ok   |
| 24 | IBLK       | VN086962.D | 11 Jun 2025 20:17 | JC\MD | Ok   |
| 25 | Q2263-01   | VN086963.D | 11 Jun 2025 20:39 | JC\MD | Ok   |
| 26 | Q2263-02   | VN086964.D | 11 Jun 2025 21:01 | JC\MD | Ok   |
| 27 | VSTDCCC050 | VN086965.D | 11 Jun 2025 21:23 | JC\MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN060625**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 6/9/2025 8:08:23 AM               |
| Supervise By             | Mahesh Dadoda                                         | Supervise On      | 6/9/2025 1:13:51 PM               |
| SubDirectory             | VN060625                                              | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP134155                                              |                   |                                   |
| Initial Calibration Stds | VP134242,VP134243,VP134244,VP134245,VP134246,VP134247 |                   |                                   |
| CCC                      | VP134156                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP134248                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment                        | Operator | Status |
|-----|--------------|---------------------|----------------|-------------------|--------------------------------|----------|--------|
| 1   | BFB          | BFB                 | VN086861.D     | 06 Jun 2025 07:59 |                                | JC\MD    | Ok     |
| 2   | VSTDIC001    | VSTDIC001           | VN086862.D     | 06 Jun 2025 12:44 | Method failed for com.#13      | JC\MD    | Ok,M   |
| 3   | VSTDIC005    | VSTDIC005           | VN086863.D     | 06 Jun 2025 13:17 |                                | JC\MD    | Ok,M   |
| 4   | VSTDIC020    | VSTDIC020           | VN086864.D     | 06 Jun 2025 13:40 |                                | JC\MD    | Ok,M   |
| 5   | VSTDIC050    | VSTDIC050           | VN086865.D     | 06 Jun 2025 14:03 |                                | JC\MD    | Ok,M   |
| 6   | VSTDIC100    | VSTDIC100           | VN086866.D     | 06 Jun 2025 14:26 |                                | JC\MD    | Ok,M   |
| 7   | VSTDIC150    | VSTDIC150           | VN086867.D     | 06 Jun 2025 14:49 |                                | JC\MD    | Ok,M   |
| 8   | IBLK         | IBLK                | VN086868.D     | 06 Jun 2025 15:12 |                                | JC\MD    | Ok     |
| 9   | VSTDICV050   | ICVVN060625         | VN086869.D     | 06 Jun 2025 15:54 |                                | JC\MD    | Ok,M   |
| 10  | VN0606WBL01  | VN0606WBL01         | VN086870.D     | 06 Jun 2025 16:47 |                                | JC\MD    | Ok     |
| 11  | VN0606WBL02  | VN0606WBL02         | VN086871.D     | 06 Jun 2025 17:10 |                                | JC\MD    | Ok     |
| 12  | VN0606WBS01  | VN0606WBS01         | VN086872.D     | 06 Jun 2025 17:33 |                                | JC\MD    | Ok,M   |
| 13  | VN0606WBSD01 | VN0606WBSD01        | VN086873.D     | 06 Jun 2025 17:56 |                                | JC\MD    | Ok,M   |
| 14  | Q2254-01     | BP-VPB-182-GW-810-8 | VN086874.D     | 06 Jun 2025 18:19 | vial A pH<2 endccc out of tune | JC\MD    | Not Ok |
| 15  | Q2237-02     | TW-WTS-10           | VN086875.D     | 06 Jun 2025 18:42 | vial A pH<2                    | JC\MD    | Ok     |
| 16  | Q2216-02     | 3887                | VN086876.D     | 06 Jun 2025 19:05 | vial A pH<2                    | JC\MD    | Ok     |
| 17  | Q2216-03     | 3888                | VN086877.D     | 06 Jun 2025 19:28 | vial A pH<2                    | JC\MD    | Ok     |
| 18  | Q2216-04     | 3864                | VN086878.D     | 06 Jun 2025 19:51 | vial A pH<2                    | JC\MD    | Ok     |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN060625**

| Review By                | John Carlone                                          | Review On         | 6/9/2025 8:08:23 AM               |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 6/9/2025 1:13:51 PM               |
| SubDirectory             | VN060625                                              | HP Acquire Method | HP Processing Method 82N060625W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP134155                                              |                   |                                   |
| Initial Calibration Stds | VP134242,VP134243,VP134244,VP134245,VP134246,VP134247 |                   |                                   |
| CCC                      | VP134156                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP134248                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |            |              |            |                   |                         |       |        |
|----|------------|--------------|------------|-------------------|-------------------------|-------|--------|
| 19 | Q2216-05   | 3865         | VN086879.D | 06 Jun 2025 20:13 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 20 | Q2216-06   | 3851         | VN086880.D | 06 Jun 2025 20:36 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 21 | Q2206-04   | TP-1         | VN086881.D | 06 Jun 2025 20:59 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 22 | Q2242-04   | TP09-MHJ     | VN086882.D | 06 Jun 2025 21:21 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 23 | Q2192-01   | SB-1         | VN086883.D | 06 Jun 2025 21:44 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 24 | Q2198-02   | B-202-SB02   | VN086884.D | 06 Jun 2025 22:07 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 25 | Q2198-04   | B-207-SB02   | VN086885.D | 06 Jun 2025 22:29 | vial A pH<2 Out of Tune | JC\MD | Not Ok |
| 26 | VSTDCCC050 | VSTDCCC050EC | VN086886.D | 06 Jun 2025 22:52 | Out of Tune             | JC\MD | Not Ok |

M : Manual Integration

Instrument ID: MSVOA\_N

## Daily Analysis Runlog For Sequence/QC Batch ID # VN061025

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 6/11/2025 9:59:27 AM              |
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 6/11/2025 11:14:28 AM             |
| SubDirectory                                                                                       | VN061025          | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134203          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134204,VP134205 |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment                           | Operator | Status   |
|-----|--------------|---------------------|----------------|-------------------|-----------------------------------|----------|----------|
| 1   | BFB          | BFB                 | VN086912.D     | 10 Jun 2025 08:39 |                                   | JC\MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050          | VN086913.D     | 10 Jun 2025 09:13 | pH#Lot#V12668                     | JC\MD    | Ok,M     |
| 3   | VN0610MBL01  | VN0610MBL01         | VN086914.D     | 10 Jun 2025 09:47 |                                   | JC\MD    | Ok       |
| 4   | VN0610WBL01  | VN0610WBL01         | VN086915.D     | 10 Jun 2025 10:09 |                                   | JC\MD    | Ok       |
| 5   | VN0610WBS01  | VN0610WBS01         | VN086916.D     | 10 Jun 2025 10:30 |                                   | JC\MD    | Ok,M     |
| 6   | VN0610WBSD01 | VN0610WBSD01        | VN086917.D     | 10 Jun 2025 11:04 |                                   | JC\MD    | Ok,M     |
| 7   | IBLK         | IBLK                | VN086918.D     | 10 Jun 2025 11:25 |                                   | JC\MD    | Ok       |
| 8   | Q2250-05     | EB02-060525         | VN086919.D     | 10 Jun 2025 11:47 | vial A pH<2 EB                    | JC\MD    | Ok       |
| 9   | Q2250-06     | TB-01-060525        | VN086920.D     | 10 Jun 2025 12:08 | vial A pH<2 TB                    | JC\MD    | Ok       |
| 10  | Q2250-01     | MW-11A-13.5-060525  | VN086921.D     | 10 Jun 2025 12:30 | vial A pH<2 Need 20X              | JC\MD    | Dilution |
| 11  | Q2250-02MS   | MW-11A-13.5-060525M | VN086922.D     | 10 Jun 2025 12:51 | vial A pH<2                       | JC\MD    | Ok,M     |
| 12  | Q2250-03MSD  | MW-11A-13.5-060525M | VN086923.D     | 10 Jun 2025 13:12 | vial A pH<2                       | JC\MD    | Ok,M     |
| 13  | IBLK         | IBLK                | VN086924.D     | 10 Jun 2025 13:34 |                                   | JC\MD    | Ok       |
| 14  | Q2251-01     | BP-VPB-182-TB-20250 | VN086925.D     | 10 Jun 2025 13:55 | Confirm concentration             | JC\MD    | Not Ok   |
| 15  | Q2251-06     | VPB182-HYD-2025060  | VN086926.D     | 10 Jun 2025 14:17 | Confirm concentration             | JC\MD    | Not Ok   |
| 16  | Q2251-05     | BP-VPB-182-EB-20250 | VN086927.D     | 10 Jun 2025 14:38 | vial A pH<2 EB;Hit of comp.#16,25 | JC\MD    | ReRun    |
| 17  | Q2251-02     | BP-VPB-182-GW-740-7 | VN086928.D     | 10 Jun 2025 15:00 | vial A pH<2                       | JC\MD    | Ok       |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN061025**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 6/11/2025 9:59:27 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 6/11/2025 11:14:28 AM             |
| SubDirectory                                                                                       | VN061025          | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134203          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134204,VP134205 |                   |                                   |

|    |            |                     |            |                   |                     |       |          |
|----|------------|---------------------|------------|-------------------|---------------------|-------|----------|
| 18 | Q2251-03   | BP-VPB-182-GW-760-7 | VN086929.D | 10 Jun 2025 15:22 | vial A pH<2         | JC\MD | Ok       |
| 19 | IBLK       | IBLK                | VN086930.D | 10 Jun 2025 15:43 |                     | JC\MD | Ok       |
| 20 | IBLK       | IBLK                | VN086931.D | 10 Jun 2025 16:05 |                     | JC\MD | Ok       |
| 21 | Q2251-01   | BP-VPB-182-TB-20250 | VN086932.D | 10 Jun 2025 16:26 | vial A pH<2 TB      | JC\MD | Ok       |
| 22 | Q2251-05   | BP-VPB-182-EB-20250 | VN086933.D | 10 Jun 2025 16:48 | vial B pH<2 EB      | JC\MD | Ok       |
| 23 | Q2202-01   | MW-9-20250603       | VN086934.D | 10 Jun 2025 17:09 | vial A pH<2         | JC\MD | Ok       |
| 24 | Q2202-02   | MW-11-20250603      | VN086935.D | 10 Jun 2025 17:31 | vial A pH<2         | JC\MD | Ok       |
| 25 | Q2202-03   | MW-12-20250603      | VN086936.D | 10 Jun 2025 17:52 | vial A pH<2 Need 5X | JC\MD | Dilution |
| 26 | Q2279-01   | 301-469-5TH-AVE     | VN086937.D | 10 Jun 2025 18:14 | vial A pH<2         | JC\MD | Ok       |
| 27 | VSTDCCC050 | VSTDCCC050EC        | VN086938.D | 10 Jun 2025 18:57 |                     | JC\MD | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN061125**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone        | Review On         | 6/12/2025 9:57:37 AM              |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 6/12/2025 3:55:33 PM              |
| SubDirectory                                                                                       | VN061125            | HP Acquire Method | HP Processing Method 82N060625W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134284            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134285,VP134286   |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment        | Operator | Status |
|-----|--------------|---------------------|----------------|-------------------|----------------|----------|--------|
| 1   | BFB          | BFB                 | VN086939.D     | 11 Jun 2025 10:22 |                | JC\MD    | Ok     |
| 2   | VSTDCCC050   | VSTDCCC050          | VN086940.D     | 11 Jun 2025 11:32 | pH#Lot#V12668  | JC\MD    | Ok,M   |
| 3   | VN0611MBL01  | VN0611MBL01         | VN086941.D     | 11 Jun 2025 12:06 |                | JC\MD    | Ok     |
| 4   | VN0611WBL01  | VN0611WBL01         | VN086942.D     | 11 Jun 2025 12:28 |                | JC\MD    | Ok     |
| 5   | VN0611WBS01  | VN0611WBS01         | VN086943.D     | 11 Jun 2025 12:50 | Recovery fail  | JC\MD    | Not Ok |
| 6   | VN0611WBS02  | VN0611WBS02         | VN086944.D     | 11 Jun 2025 13:27 |                | JC\MD    | Ok,M   |
| 7   | VN0611WBSD02 | VN0611WBSD02        | VN086945.D     | 11 Jun 2025 14:01 |                | JC\MD    | Ok,M   |
| 8   | Q2251-06     | VPB182-HYD-2025060  | VN086946.D     | 11 Jun 2025 14:22 | vial A pH<2    | JC\MD    | Ok     |
| 9   | Q2202-03DL   | MW-12-20250603DL    | VN086947.D     | 11 Jun 2025 14:44 | vial B pH<2    | JC\MD    | Ok,M   |
| 10  | Q2250-01DL   | MW-11A-13.5-060525D | VN086948.D     | 11 Jun 2025 15:06 | vial B pH<2    | JC\MD    | Ok     |
| 11  | Q2202-06     | TB-20250603         | VN086949.D     | 11 Jun 2025 15:28 | vial A pH<2 TB | JC\MD    | Ok     |
| 12  | Q2189-01     | MW-7-20250602       | VN086950.D     | 11 Jun 2025 15:50 | vial B pH<2    | JC\MD    | Ok     |
| 13  | Q2202-05     | MW-1A-20250603      | VN086951.D     | 11 Jun 2025 16:12 | vial A pH<2    | JC\MD    | Ok     |
| 14  | Q2202-04     | MW-130-20250603     | VN086952.D     | 11 Jun 2025 16:35 | vial A pH<2    | JC\MD    | Ok     |
| 15  | Q2231-01     | MW-10D-20250604     | VN086953.D     | 11 Jun 2025 16:57 | vial A pH<2    | JC\MD    | Ok     |
| 16  | Q2231-02     | MW-14-20250604      | VN086954.D     | 11 Jun 2025 17:19 | vial A pH<2    | JC\MD    | Ok,M   |
| 17  | Q2231-03     | MW-15-20250604      | VN086955.D     | 11 Jun 2025 17:41 | vial A pH<2    | JC\MD    | Ok     |
| 18  | Q2231-04     | MW-16D-20250604     | VN086956.D     | 11 Jun 2025 18:04 | vial A pH<2    | JC\MD    | Ok     |



Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN061125**

| Review By                                                                                          | John Carlone        | Review On         | 6/12/2025 9:57:37 AM              |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 6/12/2025 3:55:33 PM              |
| SubDirectory                                                                                       | VN061125            | HP Acquire Method | HP Processing Method 82N060625W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134284            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134285,VP134286   |                   |                                   |

|    |            |                   |            |                   |                |       |      |
|----|------------|-------------------|------------|-------------------|----------------|-------|------|
| 19 | Q2231-05   | MW-17-20250604    | VN086957.D | 11 Jun 2025 18:26 | vial A pH<2    | JC\MD | Ok   |
| 20 | Q2231-06   | TB-20250604       | VN086958.D | 11 Jun 2025 18:48 | vial A pH<2 TB | JC\MD | Ok   |
| 21 | Q2210-01   | TW1               | VN086959.D | 11 Jun 2025 19:10 | vial A pH<2    | JC\MD | Ok   |
| 22 | Q2209-01   | P01W              | VN086960.D | 11 Jun 2025 19:33 | vial A pH<2    | JC\MD | Ok   |
| 23 | IBLK       | IBLK              | VN086961.D | 11 Jun 2025 19:55 |                | JC\MD | Ok   |
| 24 | IBLK       | IBLK              | VN086962.D | 11 Jun 2025 20:17 |                | JC\MD | Ok   |
| 25 | Q2263-01   | RW9-MW01D3-202506 | VN086963.D | 11 Jun 2025 20:39 | vial A pH<2    | JC\MD | Ok   |
| 26 | Q2263-02   | RW9-MW01S-2025060 | VN086964.D | 11 Jun 2025 21:01 | vial A pH<2    | JC\MD | Ok   |
| 27 | VSTDCCC050 | VSTDCCC050EC      | VN086965.D | 11 Jun 2025 21:23 |                | JC\MD | Ok,M |

M : Manual Integration

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2250                          | <b>OrderDate:</b> | 6/5/2025 4:22:00 PM                       |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | D22,N31,VOA Ref. #3 Water                 |

| LabID      | ClientID                 | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|------------|--------------------------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q2250-01   | MW-11A-13.5-060525       | Water  | VOCMS Group3 | 8260-Low | 06/05/25    |           | 06/10/25  | 06/05/25 |
| Q2250-01DL | MW-11A-13.5-060525<br>DL | Water  | VOCMS Group3 | 8260-Low | 06/05/25    |           | 06/11/25  | 06/05/25 |
| Q2250-05   | EB02-060525              | Water  | VOCMS Group3 | 8260-Low | 06/05/25    |           | 06/10/25  | 06/05/25 |
| Q2250-06   | TB-01-060525             | Water  | VOCMS Group3 | 8260-Low | 06/05/25    |           | 06/10/25  | 06/05/25 |



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

### Hit Summary Sheet SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

| Sample ID                             | Client ID          | Parameter | Concentration               | C       | MDL         | RDL  | Units |
|---------------------------------------|--------------------|-----------|-----------------------------|---------|-------------|------|-------|
| <b>Client ID : MW-11A-13.5-060525</b> |                    |           |                             |         |             |      |       |
| Q2250-01                              | MW-11A-13.5-060525 | WATER     | 1,4-Dioxane                 | 2.500   | 0.07        | 0.22 | ug/L  |
|                                       |                    |           | <b>Total Svoc :</b>         |         | <b>2.50</b> |      |       |
|                                       |                    |           | <b>Total Concentration:</b> |         | <b>2.50</b> |      |       |
| <b>Client ID : MW-06-6.5-060525</b>   |                    |           |                             |         |             |      |       |
| Q2250-04                              | MW-06-6.5-060525   | WATER     | 1,4-Dioxane                 | 0.080 J | 0.07        | 0.21 | ug/L  |
|                                       |                    |           | <b>Total Svoc :</b>         |         | <b>0.08</b> |      |       |
|                                       |                    |           | <b>Total Concentration:</b> |         | <b>0.08</b> |      |       |



# SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25       |
| Client Sample ID:  | MW-11A-13.5-060525                        | SDG No.:        | Q2250          |
| Lab Sample ID:     | Q2250-01                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 930 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037191.D        | 1         | 06/06/25 11:54 | 06/09/25 12:06 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 2.50  |           | 0.070               | 0.22       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.35  |           | 30 (20) - 150 (139) | 87%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.45  |           | 30 (54) - 150 (157) | 113%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 30 (27) - 130 (154) | 89%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.39  |           | 30 (30) - 130 (155) | 97%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.52  |           | 30 (54) - 130 (175) | 129%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2010  | 7.589     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5110  | 10.372    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2790  | 14.234    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5350  | 16.984    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 4080  | 21.189    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 4050  | 23.377    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25       |
| Client Sample ID:  | MW-06-6.5-060525                          | SDG No.:        | Q2250          |
| Lab Sample ID:     | Q2250-04                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 970 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037210.D        | 1         | 06/06/25 11:54 | 06/10/25 02:49 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.080 | J         | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.39  |           | 30 (20) - 150 (139) | 96%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.40  |           | 30 (54) - 150 (157) | 101%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.42  |           | 30 (27) - 130 (154) | 104%       | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.44  |           | 30 (30) - 130 (155) | 109%       | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.54  | *         | 30 (54) - 130 (175) | 136%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1980  | 7.589     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5100  | 10.361    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2660  | 14.234    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4630  | 16.984    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 3170  | 21.18     |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3100  | 23.374    |                     |            |          |

U = Not Detected

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25       |
| Client Sample ID:  | EB02-060525                               | SDG No.:        | Q2250          |
| Lab Sample ID:     | Q2250-05                                  | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 990      Units:    mL                     | Final Vol:      | 1000      uL   |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted :    N                           | Level :         | LOW            |
| Injection Volume : | GPC Factor :    1.0                       | GPC Cleanup :   | N      PH :    |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037199.D        | 1         | 06/06/25 11:54 | 06/09/25 19:27 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.070 | U         | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.39  |           | 30 (20) - 150 (139) | 98%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.41  |           | 30 (54) - 150 (157) | 103%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.41  |           | 30 (27) - 130 (154) | 103%       | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.44  |           | 30 (30) - 130 (155) | 111%       | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.55  | *         | 30 (54) - 130 (175) | 137%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1560  |           | 7.589               |            |          |
| 1146-65-2                 | Naphthalene-d8          | 3830  |           | 10.362              |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2030  |           | 14.235              |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 3500  |           | 16.984              |            |          |
| 1719-03-5                 | Chrysene-d12            | 2340  |           | 21.189              |            |          |
| 1520-96-3                 | Perylene-d12            | 2270  |           | 23.377              |            |          |

U = Not Detected

LOQ = Limit of Quantitation

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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



# Surrogate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

| Lab Sample ID | Client ID             | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|-----------------------|-------------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                       |                         |             |              |              |      | Low        | High      |
| PB168336BL    | PB168336BL            | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 91           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.40         | 99           |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.37         | 92           |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.40         | 101          |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.42         | 105          |      | 30 (54)    | 130 (175) |
| PB168336BS    | PB168336BS            | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 90           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.30         | 76           |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.38         | 95           |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.38         | 95           |      | 30 (54)    | 130 (175) |
| Q2250-01      | MW-11A-13.5-060525    | 2-Methylnaphthalene-d10 | 0.4         | 0.35         | 87           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.45         | 113          |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.36         | 89           |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.39         | 97           |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.52         | 129          |      | 30 (54)    | 130 (175) |
| Q2250-02MS    | MW-11A-13.5-060525MS  | 2-Methylnaphthalene-d10 | 0.4         | 0.30         | 75           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.37         | 92           |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.32         | 79           |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.34         | 86           |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.47         | 118          |      | 30 (54)    | 130 (175) |
| Q2250-03MSD   | MW-11A-13.5-060525MSD | 2-Methylnaphthalene-d10 | 0.4         | 0.30         | 75           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.37         | 91           |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.32         | 79           |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.35         | 86           |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.45         | 113          |      | 30 (54)    | 130 (175) |
| Q2250-04      | MW-06-6.5-060525      | 2-Methylnaphthalene-d10 | 0.4         | 0.39         | 96           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.40         | 101          |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.42         | 104          |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.44         | 109          |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.54         | 136          | *    | 30 (54)    | 130 (175) |
| Q2250-05      | EB02-060525           | 2-Methylnaphthalene-d10 | 0.4         | 0.39         | 98           |      | 30 (20)    | 150 (139) |
|               |                       | Fluoranthene-d10        | 0.4         | 0.41         | 103          |      | 30 (54)    | 150 (157) |
|               |                       | Nitrobenzene-d5         | 0.4         | 0.41         | 103          |      | 30 (27)    | 130 (154) |
|               |                       | 2-Fluorobiphenyl        | 0.4         | 0.44         | 111          |      | 30 (30)    | 130 (155) |
|               |                       | Terphenyl-d14           | 0.4         | 0.55         | 137          | *    | 30 (54)    | 130 (175) |

() = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q2250

**Client:** JACOBS Engineering Group, Inc.

**Analytical Method:** SW8270-Modified

| Parameter             | Spike             | Sample<br>Result         | Result                      | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual      | Low               | Limits<br>High | RPD |
|-----------------------|-------------------|--------------------------|-----------------------------|-------|-----|-------------|-----|------------------|-------------------|----------------|-----|
| <b>Lab Sample ID:</b> | <b>Q2250-02MS</b> | <b>Client Sample ID:</b> | <b>MW-11A-13.5-060525MS</b> |       |     |             |     | <b>DataFile:</b> | <b>BN037192.D</b> |                |     |
| 1,4-Dioxane           | 0.42              | 2.50                     | 3.20                        | ug/L  | 167 | *           |     |                  | 20 (10)           | 160 (175)      |     |

( ) = LABORATORY INHOUSE LIMIT

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q2250

**Client:** JACOBS Engineering Group, Inc.

**Analytical Method:** SW8270-Modified

| Parameter             | Spike              | Sample<br>Result         | Result                       | Units | Rec | Rec<br>Qual | RPD | RPD<br>Qual      | Low               | Limits<br>High | RPD     |
|-----------------------|--------------------|--------------------------|------------------------------|-------|-----|-------------|-----|------------------|-------------------|----------------|---------|
| <b>Lab Sample ID:</b> | <b>Q2250-03MSD</b> | <b>Client Sample ID:</b> | <b>MW-11A-13.5-060525MSD</b> |       |     |             |     | <b>DataFile:</b> | <b>BN037193.D</b> |                |         |
| 1,4-Dioxane           | 0.4                | 2.50                     | 3.30                         | ug/L  | 200 | *           | 18  |                  | 20 (10)           | 160 (175)      | 20 (20) |

( ) = LABORATORY INHOUSE LIMIT

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified DataFile: BN037201.D

| Lab Sample ID | Parameter   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits  |           | RPD |
|---------------|-------------|-------|--------|------|-----|-----|------|------|---------|-----------|-----|
|               |             |       |        |      |     |     |      | Qual | Low     | High      |     |
| PB168336BS    | 1,4-Dioxane | 0.4   | 0.40   | ug/L | 100 |     |      |      | 20 (65) | 160 (116) |     |

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168336BL

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM Case No.: Q2250

SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: BN037190.D

Lab Sample ID: PB168336BL

Instrument ID: BNA\_N

Date Extracted: 06/06/2025

Matrix: (soil/water) Water

Date Analyzed: 06/09/2025

Level: (low/med) LOW

Time Analyzed: 11:30

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

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|
| PB168336BS            | PB168336BS       | BN037201.D     | 06/09/2025       |
| MW-11A-13.5-060525    | Q2250-01         | BN037191.D     | 06/09/2025       |
| MW-11A-13.5-060525MS  | Q2250-02MS       | BN037192.D     | 06/09/2025       |
| MW-11A-13.5-060525MSD | Q2250-03MSD      | BN037193.D     | 06/09/2025       |
| MW-06-6.5-060525      | Q2250-04         | BN037210.D     | 06/10/2025       |
| EB02-060525           | Q2250-05         | BN037199.D     | 06/09/2025       |

COMMENTS: \_\_\_\_\_

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: BN037142.D

DFTPP Injection Date: 06/03/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 10:21

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 69.8                 |
| 68  | Less than 2.0% of mass 69          | 0.0 ( 0.0 ) 1        |
| 69  | Mass 69 relative abundance         | 58.7                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.5 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 53.9                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.4                 |
| 365 | Greater than 1% of mass 198        | 4.5                  |
| 441 | Present, but less than mass 443    | 10.3                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 12.1 ( 19.8 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN037143.D     | 06/03/2025       | 11:39            |
| SSTDICC0.2        | SSTDICC0.2       | BN037144.D     | 06/03/2025       | 12:15            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN037145.D     | 06/03/2025       | 12:51            |
| SSTDICC0.8        | SSTDICC0.8       | BN037146.D     | 06/03/2025       | 13:26            |
| SSTDICC1.6        | SSTDICC1.6       | BN037147.D     | 06/03/2025       | 14:02            |
| SSTDICC3.2        | SSTDICC3.2       | BN037148.D     | 06/03/2025       | 14:38            |
| SSTDICC5.0        | SSTDICC5.0       | BN037149.D     | 06/03/2025       | 15:14            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JAC005

Lab Code: CHEM

SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: BN037188.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 10:15

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 74                   |
| 68  | Less than 2.0% of mass 69          | 0.4 ( 0.7 ) 1        |
| 69  | Mass 69 relative abundance         | 59.6                 |
| 70  | Less than 2.0% of mass 69          | 0.4 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 53                   |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.1                 |
| 365 | Greater than 1% of mass 198        | 4.4                  |
| 441 | Present, but less than mass 443    | 8.6                  |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 10.5 ( 18.5 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4            | SSTDCCC0.4       | BN037189.D     | 06/09/2025       | 10:54            |
| PB168336BL            | PB168336BL       | BN037190.D     | 06/09/2025       | 11:30            |
| MW-11A-13.5-060525    | Q2250-01         | BN037191.D     | 06/09/2025       | 12:06            |
| MW-11A-13.5-060525MS  | Q2250-02MS       | BN037192.D     | 06/09/2025       | 14:33            |
| MW-11A-13.5-060525MSD | Q2250-03MSD      | BN037193.D     | 06/09/2025       | 15:47            |
| EB02-060525           | Q2250-05         | BN037199.D     | 06/09/2025       | 19:27            |
| PB168336BS            | PB168336BS       | BN037201.D     | 06/09/2025       | 20:40            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: JACO05

Lab Code: CHEM

SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: BN037203.D

DFTPP Injection Date: 06/09/2025

Instrument ID: BNA\_N

DFTPP Injection Time: 22:32

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 79.8                 |
| 68  | Less than 2.0% of mass 69          | 1 ( 1.5 ) 1          |
| 69  | Mass 69 relative abundance         | 65.5                 |
| 70  | Less than 2.0% of mass 69          | 0.4 ( 0.6 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 56.9                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.8                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.4                 |
| 365 | Greater than 1% of mass 198        | 4.3                  |
| 441 | Present, but less than mass 443    | 8.8                  |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 10.6 ( 20.4 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4        | SSTDCCC0.4       | BN037204.D     | 06/09/2025       | 23:11            |
| MW-06-6.5-060525  | Q2250-04         | BN037210.D     | 06/10/2025       | 02:49            |



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                          | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|--------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD              | 2093                | 7.589 | 5342                | 10.36  | 2894                | 14.24  |
| UPPER LIMIT              | 4186                | 8.089 | 10684               | 10.862 | 5788                | 14.735 |
| LOWER LIMIT              | 1046.5              | 7.089 | 2671                | 9.862  | 1447                | 13.735 |
| EPA SAMPLE NO.           |                     |       |                     |        |                     |        |
| 01 PB168336BL            | 1816                | 7.59  | 4227                | 10.37  | 2101                | 14.25  |
| 02 MW-11A-13.5-060525    | 2013                | 7.59  | 5108                | 10.37  | 2790                | 14.23  |
| 03 MW-11A-13.5-060525MS  | 2144                | 7.59  | 5670                | 10.36  | 2991                | 14.23  |
| 04 MW-11A-13.5-060525MSD | 2169                | 7.59  | 5646                | 10.36  | 2926                | 14.24  |
| 05 EB02-060525           | 1555                | 7.59  | 3832                | 10.36  | 2033                | 14.24  |
| 06 PB168336BS            | 2227                | 7.59  | 5466                | 10.36  | 2607                | 14.23  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037189.D Time Analyzed: 10:54

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                          | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>AREA # | RT #   |
|--------------------------|---------------------|--------|---------------------|-------|---------------------|--------|
| 12 HOUR STD              | 5308                | 16.984 | 3516                | 21.18 | 3185                | 23.377 |
| UPPER LIMIT              | 10616               | 17.484 | 7032                | 21.68 | 6370                | 23.877 |
| LOWER LIMIT              | 2654                | 16.484 | 1758                | 20.68 | 1592.5              | 22.877 |
| EPA SAMPLE NO.           |                     |        |                     |       |                     |        |
| 01 PB168336BL            | 3500                | 17.00  | 2446                | 21.19 | 2291                | 23.39  |
| 02 MW-11A-13.5-060525    | 5354                | 16.98  | 4077                | 21.19 | 4054                | 23.38  |
| 03 MW-11A-13.5-060525MS  | 5389                | 16.98  | 3448                | 21.19 | 3177                | 23.38  |
| 04 MW-11A-13.5-060525MSD | 5139                | 16.98  | 3419                | 21.18 | 3336                | 23.37  |
| 05 EB02-060525           | 3502                | 16.98  | 2341                | 21.19 | 2267                | 23.38  |
| 06 PB168336BS            | 4253                | 16.98  | 2468                | 21.19 | 2373                | 23.38  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037204.D Time Analyzed: 23:11

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                     | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|---------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD         | 1688                | 7.589 | 4447                | 10.37  | 2457                | 14.23  |
| UPPER LIMIT         | 3376                | 8.089 | 8894                | 10.872 | 4914                | 14.734 |
| LOWER LIMIT         | 844                 | 7.089 | 2223.5              | 9.872  | 1228.5              | 13.734 |
| EPA SAMPLE NO.      |                     |       |                     |        |                     |        |
| 01 MW-06-6.5-060525 | 1975                | 7.59  | 5099                | 10.36  | 2655                | 14.23  |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

EPA Sample No.: SSTDCCC0.4 Date Analyzed: 06/09/2025

Lab File ID: BN037204.D Time Analyzed: 23:11

Instrument ID: BNA\_N GC Column: ZB-GR ID: 0.25 (mm)

|                     | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #  | IS6 (PRY)<br>AREA # | RT #   |
|---------------------|---------------------|--------|---------------------|-------|---------------------|--------|
| 12 HOUR STD         | 4471                | 16.984 | 2829                | 21.18 | 2684                | 23.377 |
| UPPER LIMIT         | 8942                | 17.484 | 5658                | 21.68 | 5368                | 23.877 |
| LOWER LIMIT         | 2235.5              | 16.484 | 1414.5              | 20.68 | 1342                | 22.877 |
| EPA SAMPLE NO.      |                     |        |                     |       |                     |        |
| 01 MW-06-6.5-060525 | 4633                | 16.98  | 3167                | 21.18 | 3104                | 23.37  |

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.



# QC SAMPLE DATA

A

B

C

D

E

F

G

H

I

J

K

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB168336BL                                | SDG No.:        | Q2250          |
| Lab Sample ID:     | PB168336BL                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 Units: mL                            | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037190.D        | 1         | 06/06/25 11:54 | 06/09/25 11:30 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.070 | U         | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.36  |           | 30 (20) - 150 (139) | 91%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.40  |           | 30 (54) - 150 (157) | 99%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.37  |           | 30 (27) - 130 (154) | 92%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.40  |           | 30 (30) - 130 (155) | 101%       | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.42  |           | 30 (54) - 130 (175) | 105%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 1820  | 7.589     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 4230  | 10.372    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2100  | 14.245    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 3500  | 16.996    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 2450  | 21.189    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 2290  | 23.386    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: |                |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  |                |
| Client Sample ID:  | PB168336BS                                | SDG No.:        | Q2250          |
| Lab Sample ID:     | PB168336BS                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 1000 Units: mL                            | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037201.D        | 1         | 06/06/25 11:54 | 06/09/25 20:40 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 0.40  |           | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.36  |           | 30 (20) - 150 (139) | 90%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.30  |           | 30 (54) - 150 (157) | 76%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 30 (27) - 130 (154) | 90%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.38  |           | 30 (30) - 130 (155) | 95%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.38  |           | 30 (54) - 130 (175) | 95%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2230  | 7.589     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5470  | 10.361    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2610  | 14.234    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 4250  | 16.984    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 2470  | 21.188    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 2370  | 23.377    |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25       |
| Client Sample ID:  | MW-11A-13.5-060525MS                      | SDG No.:        | Q2250          |
| Lab Sample ID:     | Q2250-02MS                                | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 960 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037192.D        | 1         | 06/06/25 11:54 | 06/09/25 14:33 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 3.20  |           | 0.070               | 0.21       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.30  |           | 30 (20) - 150 (139) | 75%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30 (54) - 150 (157) | 92%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32  |           | 30 (27) - 130 (154) | 79%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.34  |           | 30 (30) - 130 (155) | 86%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.47  |           | 30 (54) - 130 (175) | 118%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2140  | 7.589     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5670  | 10.361    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2990  | 14.234    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5390  | 16.984    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 3450  | 21.188    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3180  | 23.38     |                     |            |          |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



## Report of Analysis

|                    |                                           |                 |                |
|--------------------|-------------------------------------------|-----------------|----------------|
| Client:            | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25       |
| Project:           | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25       |
| Client Sample ID:  | MW-11A-13.5-060525MSD                     | SDG No.:        | Q2250          |
| Lab Sample ID:     | Q2250-03MSD                               | Matrix:         | Water          |
| Analytical Method: | SW8270ESIM                                | % Solid:        | 0              |
| Sample Wt/Vol:     | 990 Units: mL                             | Final Vol:      | 1000 uL        |
| Soil Aliquot Vol:  | uL                                        | Test:           | SVOC-SIMGroup1 |
| Extraction Type :  | Decanted : N                              | Level :         | LOW            |
| Injection Volume : | GPC Factor : 1.0                          | GPC Cleanup :   | N PH :         |
| Prep Method :      |                                           |                 |                |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037193.D        | 1         | 06/06/25 11:54 | 06/09/25 15:47 | PB168336      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 123-91-1                  | 1,4-Dioxane             | 3.30  |           | 0.070               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.30  |           | 30 (20) - 150 (139) | 75%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.37  |           | 30 (54) - 150 (157) | 91%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.32  |           | 30 (27) - 130 (154) | 79%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.35  |           | 30 (30) - 130 (155) | 86%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.45  |           | 30 (54) - 130 (175) | 113%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 2170  | 7.59      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 5650  | 10.362    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 2930  | 14.235    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 5140  | 16.984    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 3420  | 21.18     |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 3340  | 23.374    |                     |            |          |

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005  
Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250  
Instrument ID: BNA\_N Calibration Date(s): 06/03/2025 06/03/2025  
Calibration Time(s): 11:39 15:14

| LAB FILE ID:            |        | RRF0.1 = BN037143.D |        | RRF0.2 = BN037144.D |        | RRF0.4 = BN037145.D |       |       |
|-------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                         |        | RRF0.8 = BN037146.D |        | RRF1.6 = BN037147.D |        | RRF3.2 = BN037148.D |       |       |
| COMPOUND                | RRF0.1 | RRF0.2              | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2              | RRF   | % RSD |
| 2-Methylnaphthalene-d10 | 0.520  | 0.515               | 0.562  | 0.536               | 0.598  | 0.577               | 0.557 | 6.0   |
| Fluoranthene-d10        | 0.969  | 0.937               | 0.975  | 0.956               | 1.092  | 1.071               | 1.016 | 7.2   |
| 2-Fluorophenol          | 1.027  | 1.017               | 0.940  | 0.945               | 1.036  | 0.984               | 0.989 | 3.9   |
| Phenol-d6               | 1.156  | 1.144               | 1.127  | 1.126               | 1.293  | 1.261               | 1.199 | 6.4   |
| Nitrobenzene-d5         | 0.393  | 0.383               | 0.421  | 0.407               | 0.455  | 0.450               | 0.422 | 6.9   |
| 2-Fluorobiphenyl        | 1.722  | 1.691               | 1.626  | 1.654               | 1.814  | 1.706               | 1.705 | 3.5   |
| 2,4,6-Tribromophenol    | 0.124  | 0.147               | 0.146  | 0.157               | 0.185  | 0.182               | 0.161 | 15.0  |
| Terphenyl-d14           | 0.964  | 0.909               | 0.896  | 0.941               | 1.006  | 0.952               | 0.942 | 4.0   |
| 1,4-Dioxane             | 0.598  | 0.657               | 0.510  | 0.506               | 0.526  | 0.477               | 0.533 | 13.2  |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005  
 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250  
 Instrument ID: BNA\_N Calibration Date/Time: 06/09/2025 10:54  
 Lab File ID: BN037189.D Init. Calib. Date(s): 06/03/2025 06/03/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.557 | 0.558  |            | 0.2   | 20.0  |
| Fluoranthene-d10        | 1.016 | 0.960  |            | -5.5  | 20.0  |
| 2-Fluorophenol          | 0.989 | 0.924  |            | -6.6  | 20.0  |
| Phenol-d6               | 1.199 | 1.124  |            | -6.3  | 20.0  |
| Nitrobenzene-d5         | 0.422 | 0.422  |            | 0.0   | 20.0  |
| 2-Fluorobiphenyl        | 1.705 | 1.691  |            | -0.8  | 20.0  |
| 2,4,6-Tribromophenol    | 0.161 | 0.142  |            | -11.8 | 20.0  |
| Terphenyl-d14           | 0.942 | 0.909  |            | -3.5  | 20.0  |
| 1,4-Dioxane             | 0.533 | 0.519  |            | -2.6  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005  
 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250  
 Instrument ID: BNA\_N Calibration Date/Time: 06/09/2025 23:11  
 Lab File ID: BN037204.D Init. Calib. Date(s): 06/03/2025 06/03/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 11:39 15:14  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.557 | 0.554  |            | -0.5 | 20.0  |
| Fluoranthene-d10        | 1.016 | 0.919  |            | -9.5 | 20.0  |
| 2-Fluorophenol          | 0.989 | 0.935  |            | -5.5 | 20.0  |
| Phenol-d6               | 1.199 | 1.161  |            | -3.2 | 20.0  |
| Nitrobenzene-d5         | 0.422 | 0.423  |            | 0.2  | 20.0  |
| 2-Fluorobiphenyl        | 1.705 | 1.685  |            | -1.2 | 20.0  |
| 2,4,6-Tribromophenol    | 0.161 | 0.151  |            | -6.2 | 20.0  |
| Terphenyl-d14           | 0.942 | 0.919  |            | -2.4 | 20.0  |
| 1,4-Dioxane             | 0.533 | 0.495  |            | -7.1 | 20.0  |

All other compounds must meet a minimum RRF of 0.010.



# SAMPLE RAW DATA

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037191.D  
Acq On : 09 Jun 2025 12:06  
Operator : RC/JU  
Sample : Q2250-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

Quant Time: Jun 09 12:29:08 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

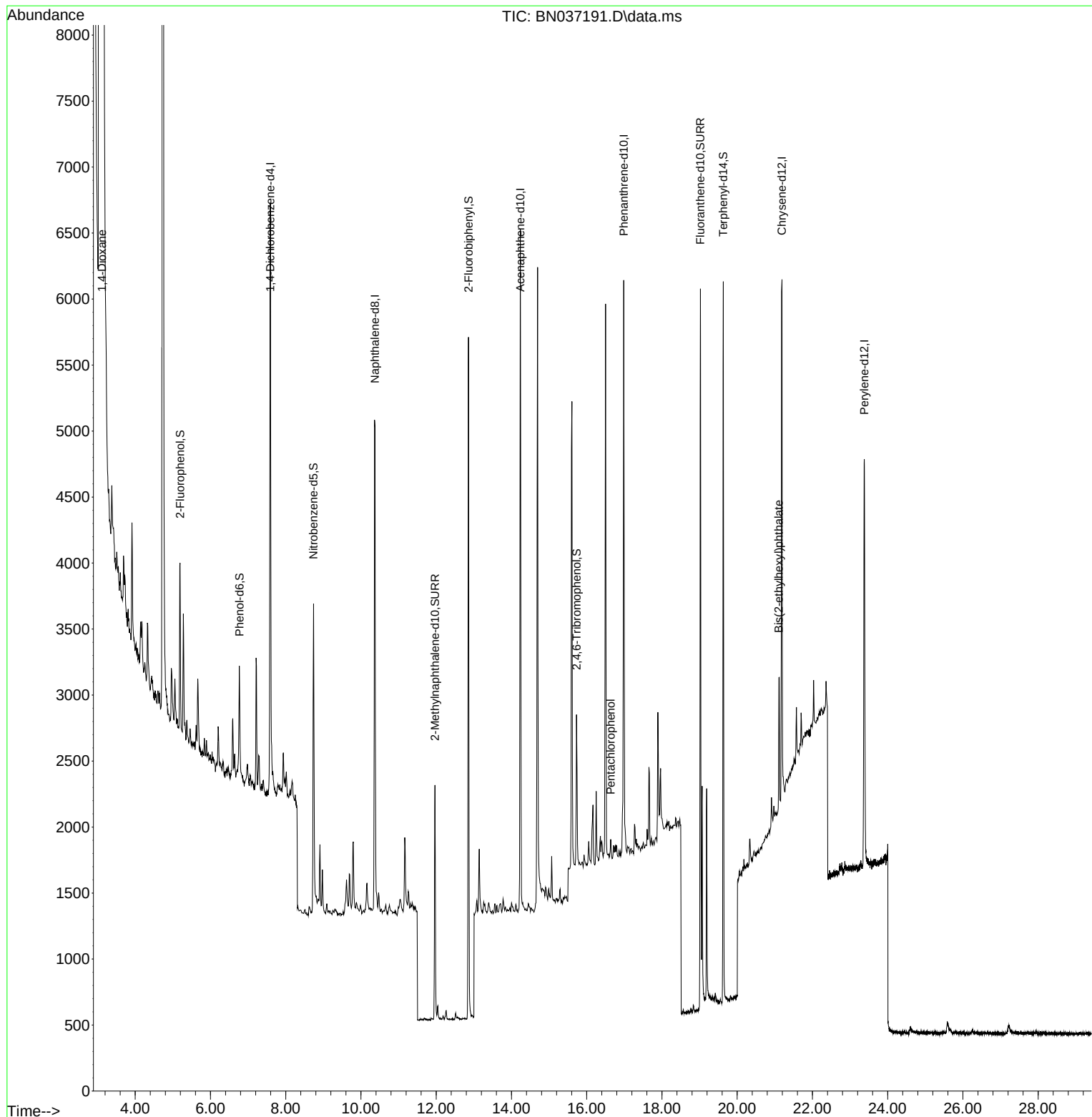
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.589  | 152  | 2013     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.372 | 136  | 5108     | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.234 | 164  | 2790     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.984 | 188  | 5354     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.189 | 240  | 4077     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.377 | 264  | 4054     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.192  | 112  | 923      | 0.185 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.773  | 99   | 681      | 0.113 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.739  | 82   | 1925     | 0.357 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.965 | 152  | 2472     | 0.348 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.730 | 330  | 555      | 0.494 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.858 | 172  | 4624     | 0.389 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.021 | 212  | 6130     | 0.451 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.630 | 244  | 4973     | 0.518 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.119  | 88   | 6136     | 2.287 | ng    | # 92     |
| 24) Pentachlorophenol         | 16.636 | 266  | 91       | 0.255 | ng    | # 82     |
| 34) Bis(2-ethylhexyl)phtha... | 21.108 | 149  | 1167     | 0.125 | ng    | 97       |

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

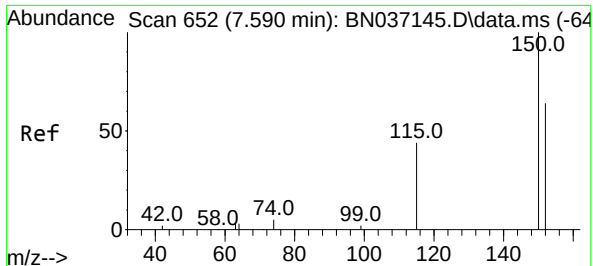
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Data File : BN037191.D  
Acq On : 09 Jun 2025 12:06  
Operator : RC/JU  
Sample : Q2250-01  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

Quant Time: Jun 09 12:29:08 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

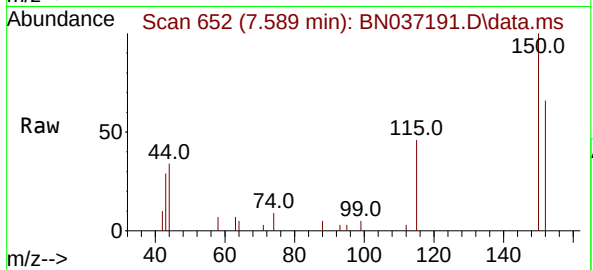






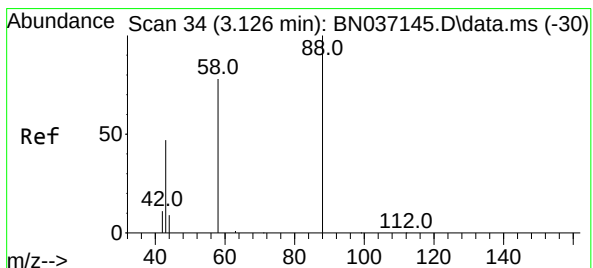
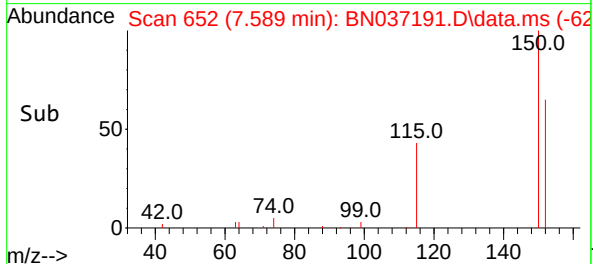
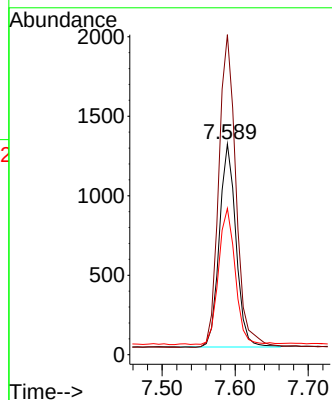
#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.589 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525



Tgt Ion:152 Resp: 2013

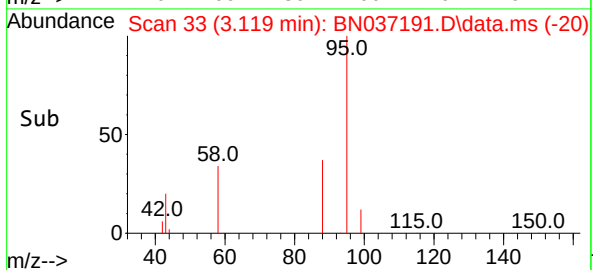
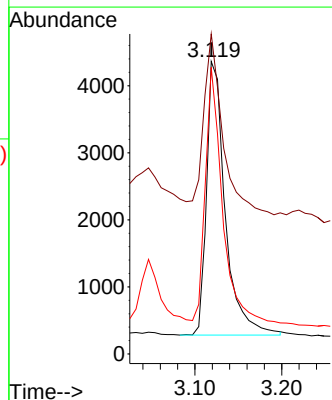
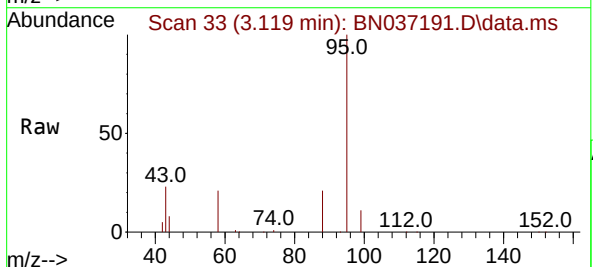
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 151.8 | 123.2 | 184.8 |
| 115 | 69.4  | 56.6  | 85.0  |

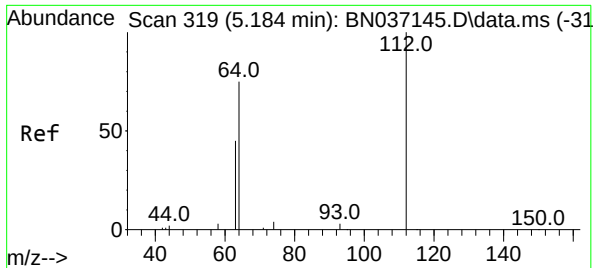


#2  
1,4-Dioxane  
Concen: 2.287 ng  
RT: 3.119 min Scan# 33  
Delta R.T. -0.007 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

Tgt Ion: 88 Resp: 6136

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 68.0  | 43.5  | 65.3# |
| 58  | 84.8  | 67.7  | 101.5 |

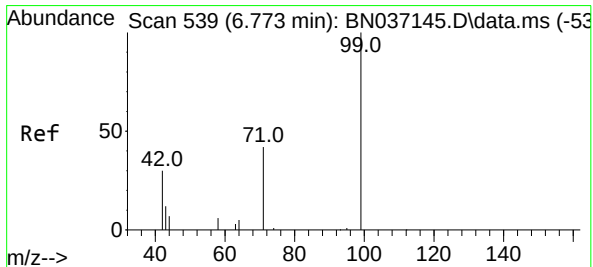
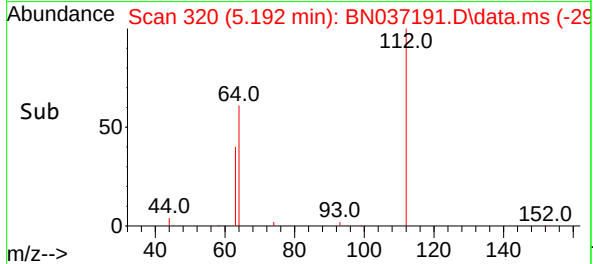
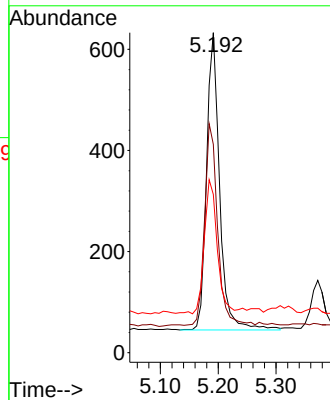
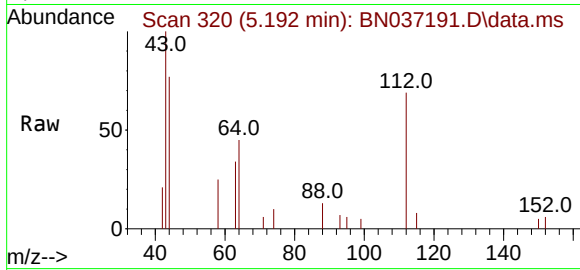




#4  
2-Fluorophenol  
Concen: 0.185 ng  
RT: 5.192 min Scan# 319  
Delta R.T. 0.007 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

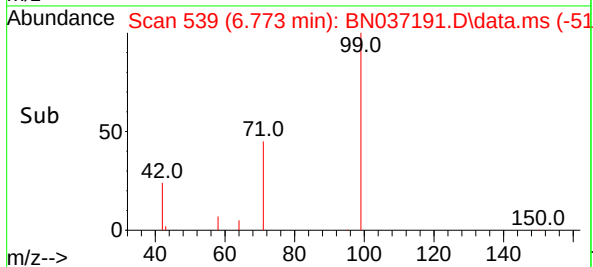
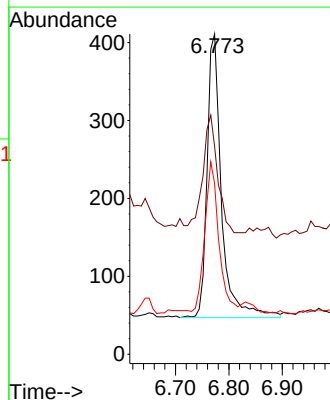
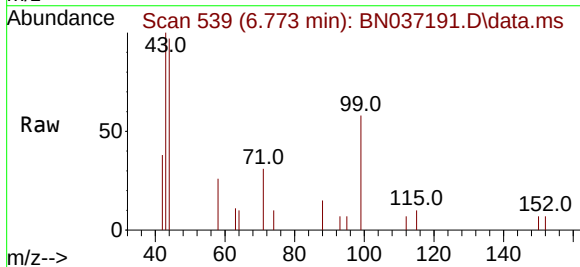
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

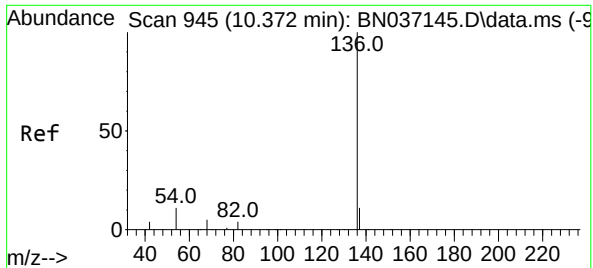
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 923   |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 64       | 67.2  | 56.3  | 84.5  |
| 63       | 44.4  | 36.2  | 54.4  |



#5  
Phenol-d6  
Concen: 0.113 ng  
RT: 6.773 min Scan# 539  
Delta R.T. -0.000 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 99    | Resp: | 681   |
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 42.9  | 31.3  | 46.9  |
| 71       | 52.7  | 38.2  | 57.2  |

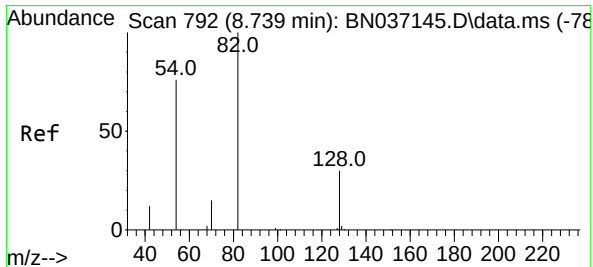
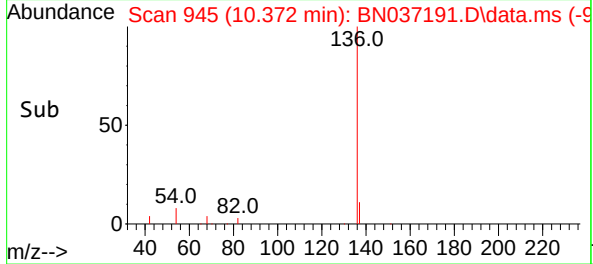
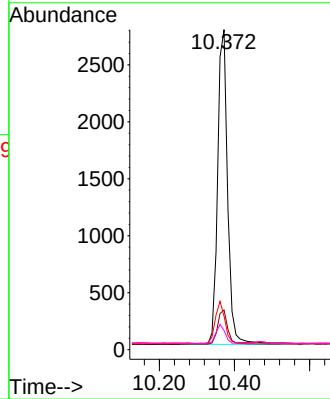
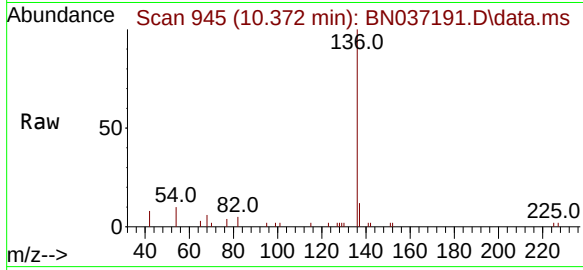




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.372 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

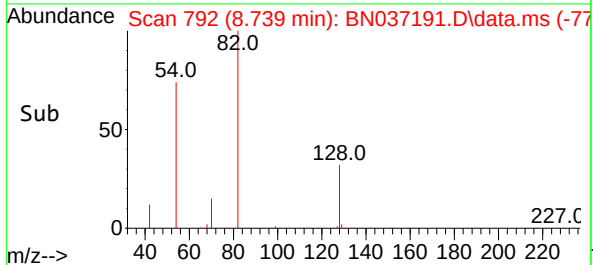
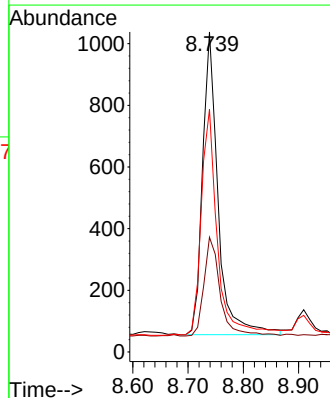
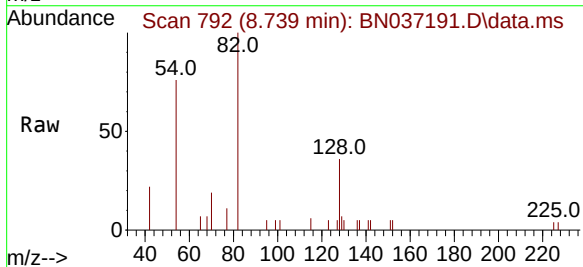
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

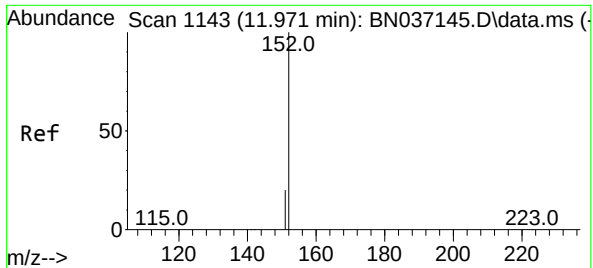
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 5108  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.4  | 9.7   | 14.5  |
| 54       | 10.5  | 9.7   | 14.5  |
| 68       | 6.0   | 5.4   | 8.2   |



#8  
Nitrobenzene-d5  
Concen: 0.357 ng  
RT: 8.739 min Scan# 792  
Delta R.T. -0.000 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1925  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 35.8  | 26.9  | 40.3  |
| 54       | 75.8  | 61.4  | 92.2  |

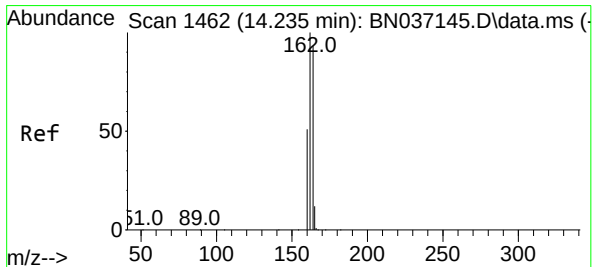
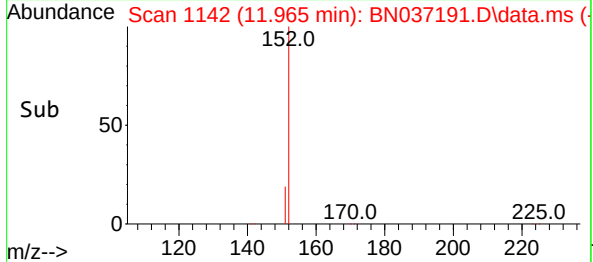
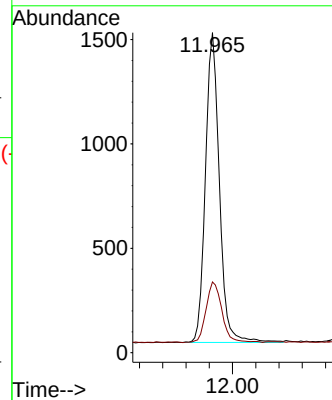
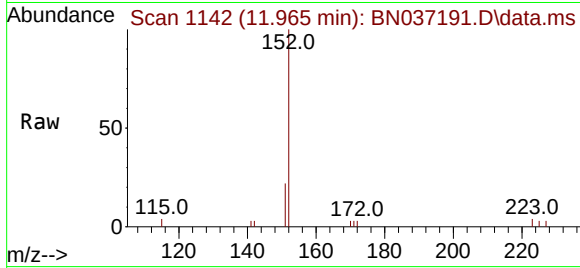




#11  
2-Methylnaphthalene-d10  
Concen: 0.348 ng  
RT: 11.965 min Scan# 1143  
Delta R.T. -0.005 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

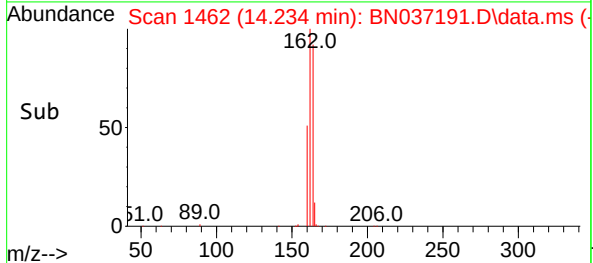
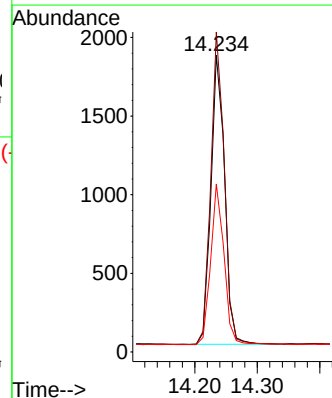
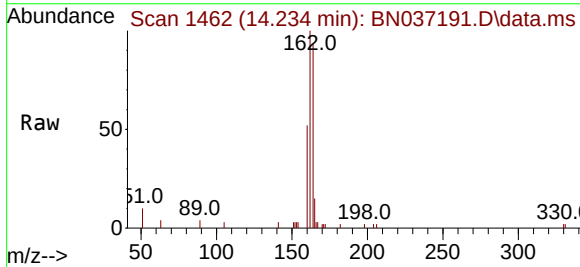
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

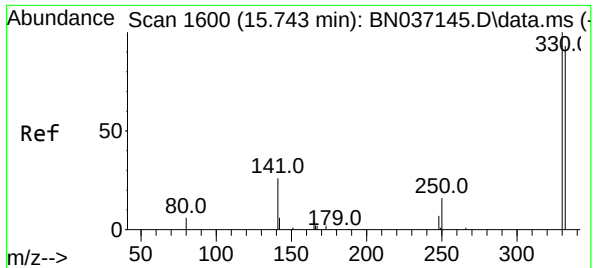
Tgt Ion:152 Resp: 2472  
Ion Ratio Lower Upper  
152 100  
151 22.3 17.1 25.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.234 min Scan# 1462  
Delta R.T. -0.000 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

Tgt Ion:164 Resp: 2790  
Ion Ratio Lower Upper  
164 100  
162 107.7 85.5 128.3  
160 56.5 44.6 67.0

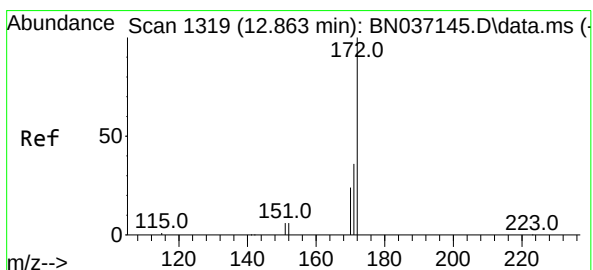
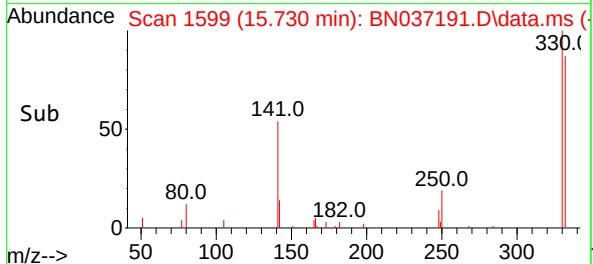
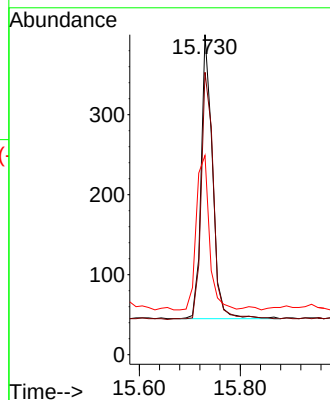
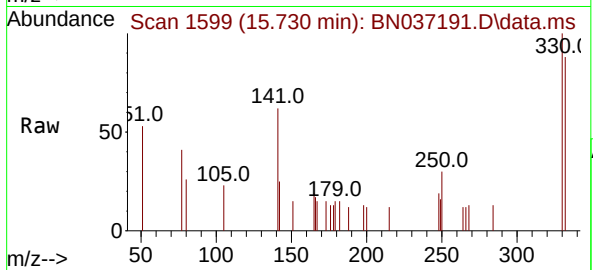




#14  
2,4,6-Tribromophenol  
Concen: 0.494 ng  
RT: 15.730 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

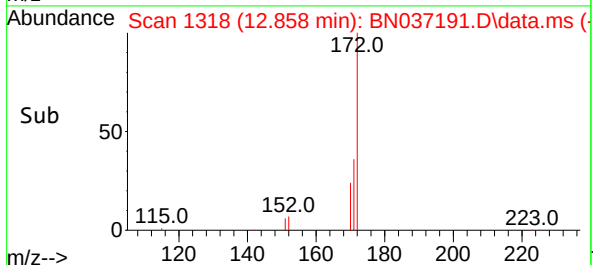
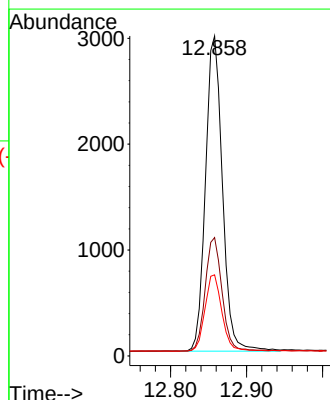
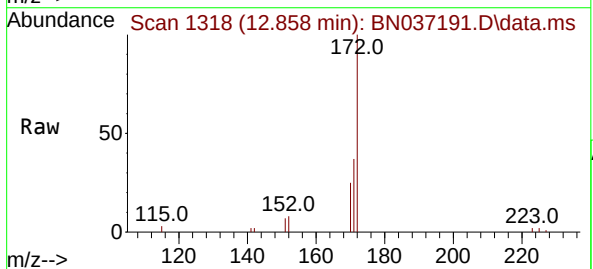
Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

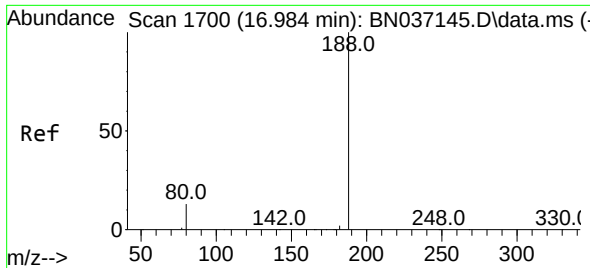
Tgt Ion:330 Resp: 555  
Ion Ratio Lower Upper  
330 100  
332 95.0 77.1 115.7  
141 62.9 46.4 69.6



#15  
2-Fluorobiphenyl  
Concen: 0.389 ng  
RT: 12.858 min Scan# 1318  
Delta R.T. -0.005 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

Tgt Ion:172 Resp: 4624  
Ion Ratio Lower Upper  
172 100  
171 37.0 29.6 44.4  
170 25.3 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.984 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN037191.D

Acq: 09 Jun 2025 12:06

Instrument :

BNA\_N

ClientSampleId :

MW-11A-13.5-060525

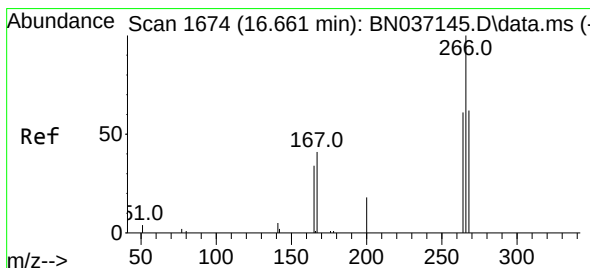
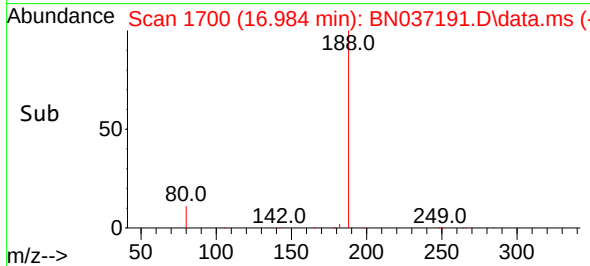
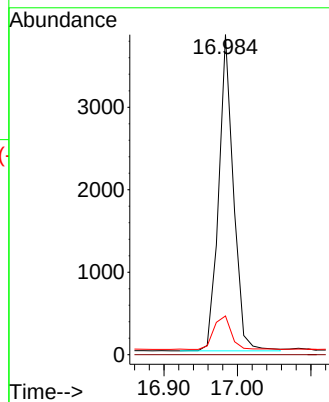
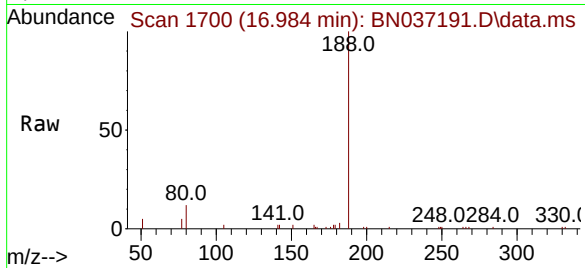
Tgt Ion:188 Resp: 5354

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 11.3 16.9



#24

Pentachlorophenol

Concen: 0.255 ng

RT: 16.636 min Scan# 1672

Delta R.T. -0.025 min

Lab File: BN037191.D

Acq: 09 Jun 2025 12:06

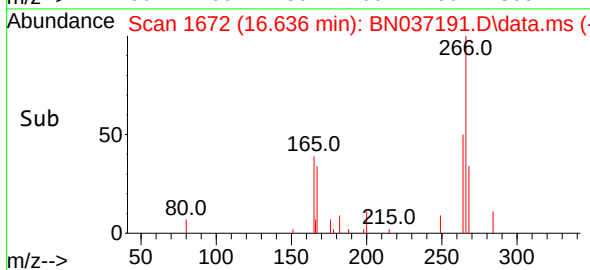
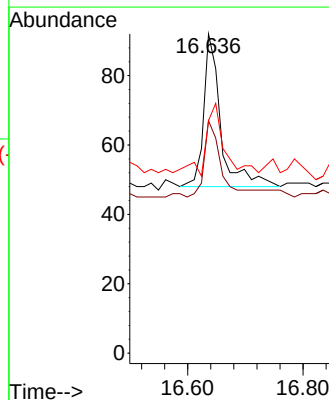
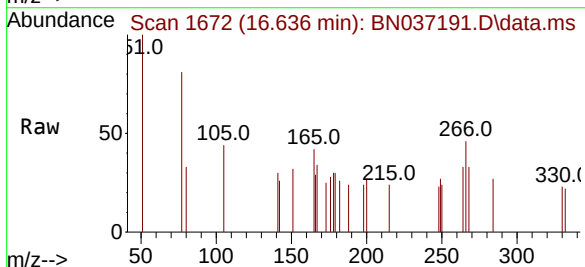
Tgt Ion:266 Resp: 91

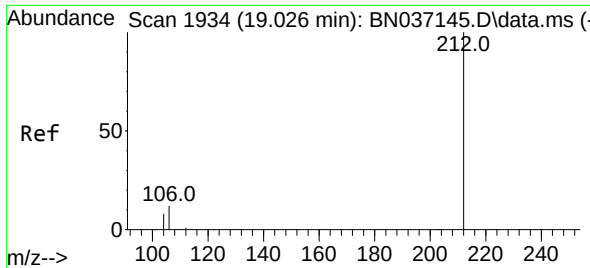
Ion Ratio Lower Upper

266 100

264 48.4 49.3 73.9#

268 46.2 49.0 73.4#





#27

Fluoranthene-d10

Concen: 0.451 ng

RT: 19.021 min Scan# 1933

Delta R.T. -0.005 min

Lab File: BN037191.D

Acq: 09 Jun 2025 12:06

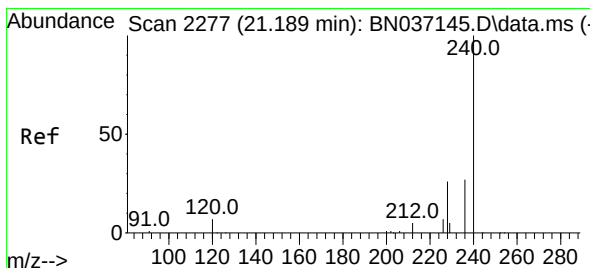
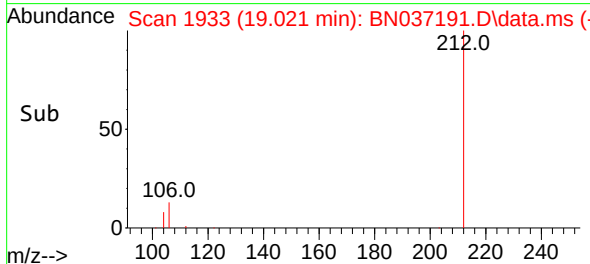
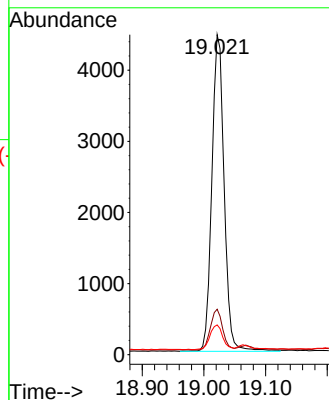
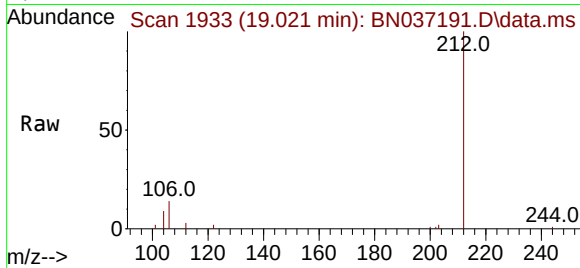
Instrument :

BNA\_N

ClientSampleId :

MW-11A-13.5-060525

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:212 | Resp: | 6130        |
| Ion         | Ratio | Lower Upper |
| 212         | 100   |             |
| 106         | 12.6  | 10.6 15.8   |
| 104         | 8.2   | 6.6 9.8     |



#29

Chrysene-d12

Concen: 0.400 ng

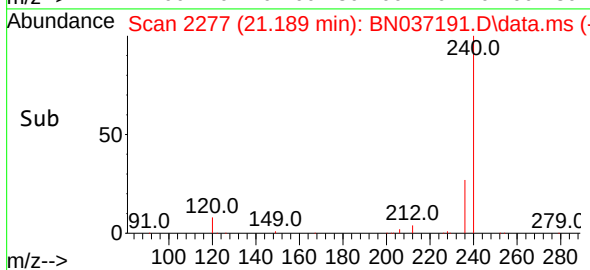
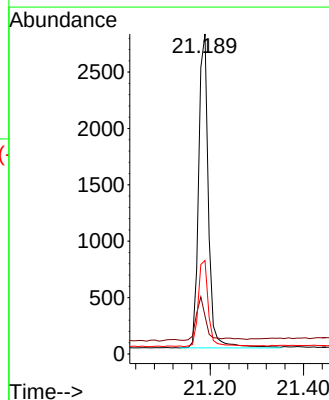
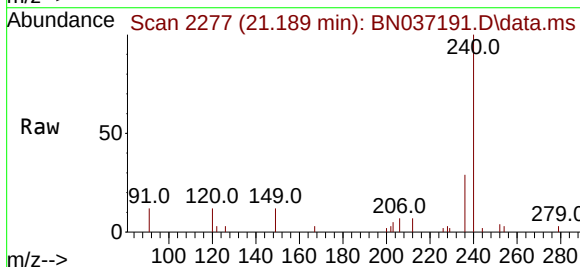
RT: 21.189 min Scan# 2277

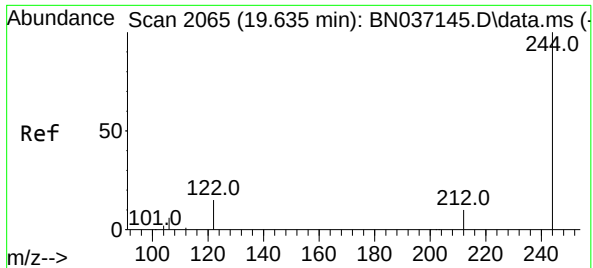
Delta R.T. -0.000 min

Lab File: BN037191.D

Acq: 09 Jun 2025 12:06

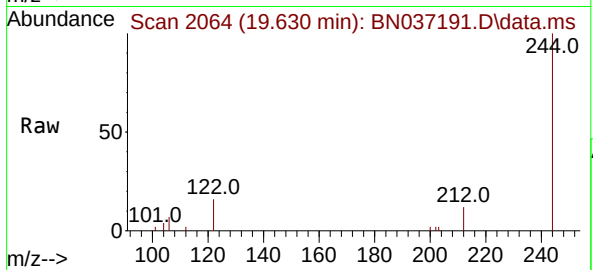
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:240 | Resp: | 4077        |
| Ion         | Ratio | Lower Upper |
| 240         | 100   |             |
| 120         | 11.8  | 9.0 13.4    |
| 236         | 29.2  | 23.0 34.4   |



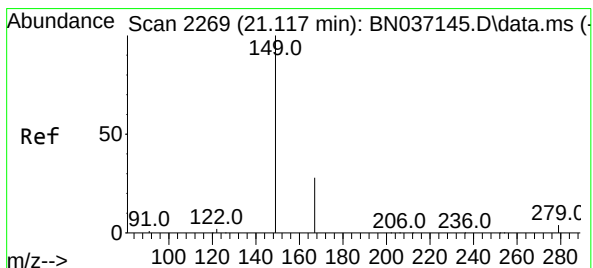
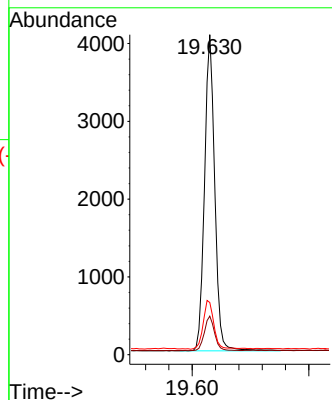
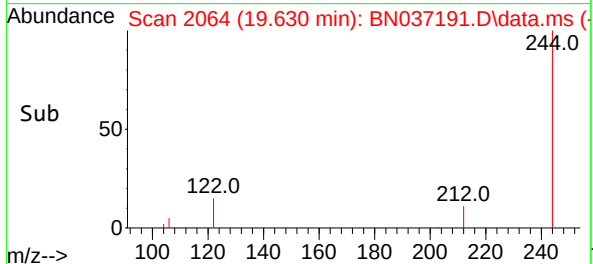


#31  
Terphenyl-d14  
Concen: 0.518 ng  
RT: 19.630 min Scan# 2065  
Delta R.T. -0.005 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525

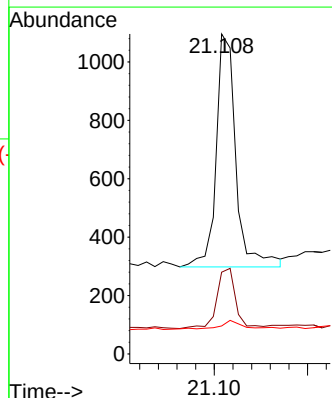
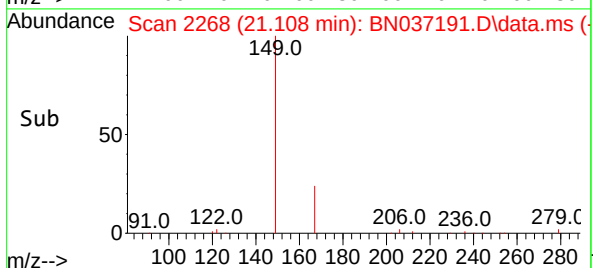
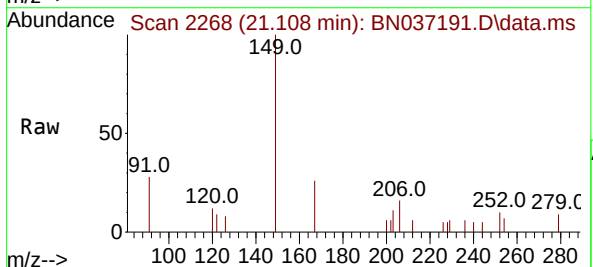


Tgt Ion:244 Resp: 4973  
Ion Ratio Lower Upper  
244 100  
212 12.1 10.0 15.0  
122 16.3 13.2 19.8

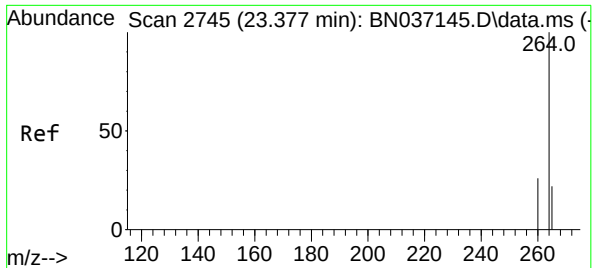


#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.125 ng  
RT: 21.108 min Scan# 2268  
Delta R.T. -0.009 min  
Lab File: BN037191.D  
Acq: 09 Jun 2025 12:06

Tgt Ion:149 Resp: 1167  
Ion Ratio Lower Upper  
149 100  
167 24.7 21.0 31.4  
279 3.3 2.9 4.3







#35

Perylene-d12

Concen: 0.400 ng

RT: 23.377 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037191.D

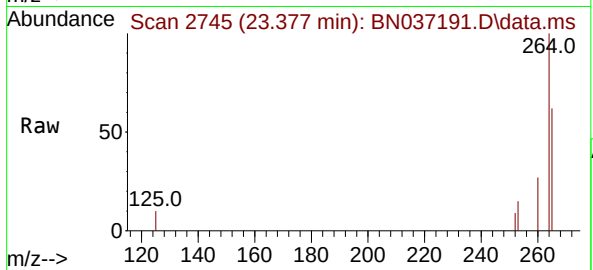
Acq: 09 Jun 2025 12:06

Instrument :

BNA\_N

ClientSampleId :

MW-11A-13.5-060525



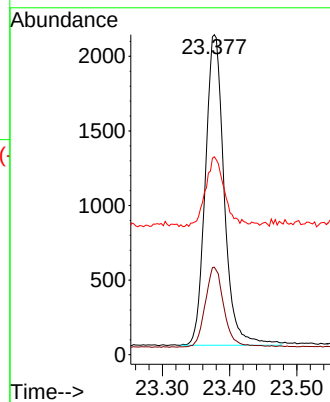
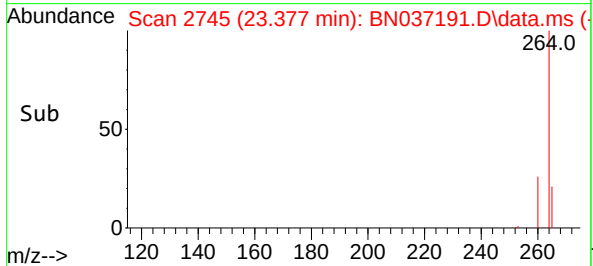
Tgt Ion:264 Resp: 4054

Ion Ratio Lower Upper

264 100

260 27.4 22.1 33.1

265 61.9 55.8 83.8



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037210.D  
Acq On : 10 Jun 2025 02:49  
Operator : RC/JU  
Sample : Q2250-04  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

Quant Time: Jun 10 04:06:05 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

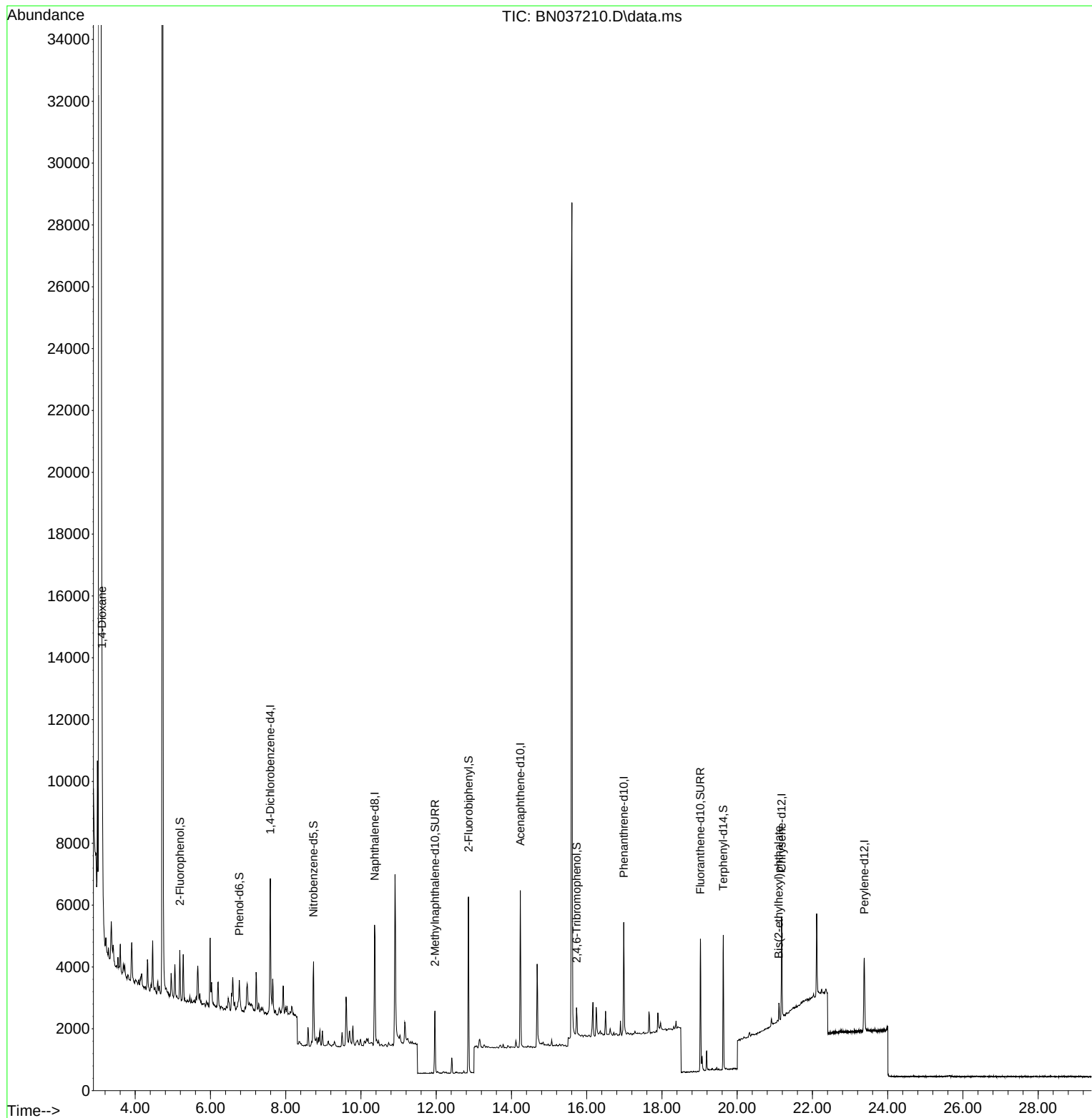
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.589  | 152  | 1975     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.361 | 136  | 5099     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.234 | 164  | 2655     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.984 | 188  | 4633     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.180 | 240  | 3167     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.374 | 264  | 3104     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.184  | 112  | 1003     | 0.205 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.766  | 99   | 706      | 0.119 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.739  | 82   | 2235     | 0.415 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.965 | 152  | 2730     | 0.385 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.730 | 330  | 460      | 0.430 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.858 | 172  | 4957     | 0.438 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.021 | 212  | 4756     | 0.404 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.630 | 244  | 4038     | 0.542 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.119  | 88   | 206      | 0.078 | ng    | # 1      |
| 34) Bis(2-ethylhexyl)phtha... | 21.108 | 149  | 558      | 0.077 | ng    | # 95     |

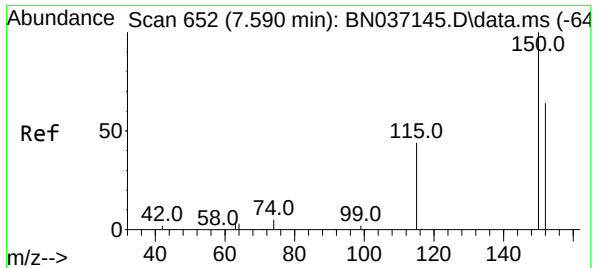
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037210.D  
Acq On : 10 Jun 2025 02:49  
Operator : RC/JU  
Sample : Q2250-04  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

Quant Time: Jun 10 04:06:05 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

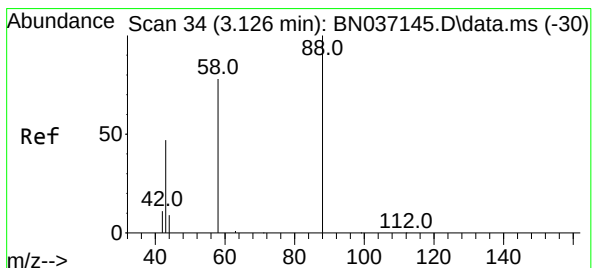
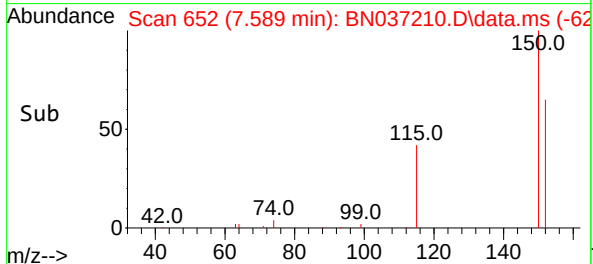
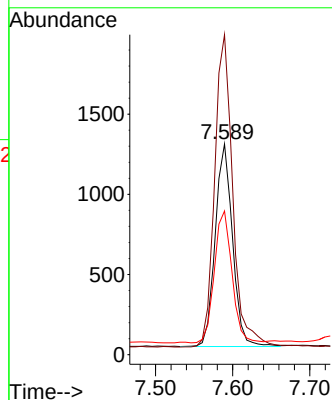
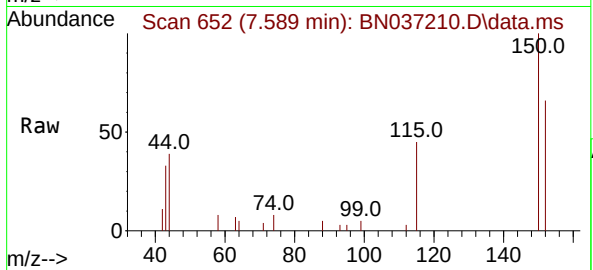




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.589 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

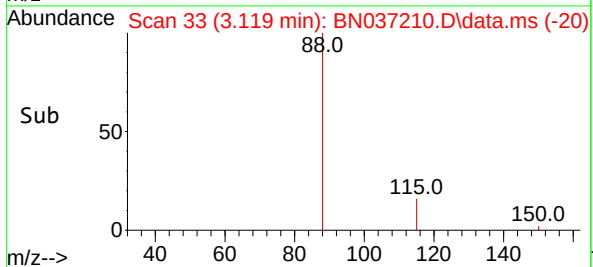
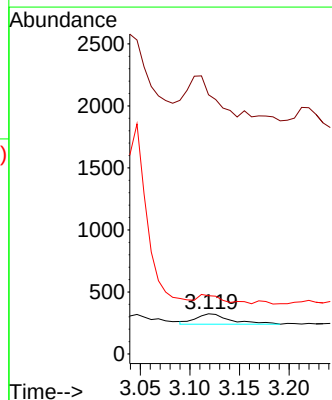
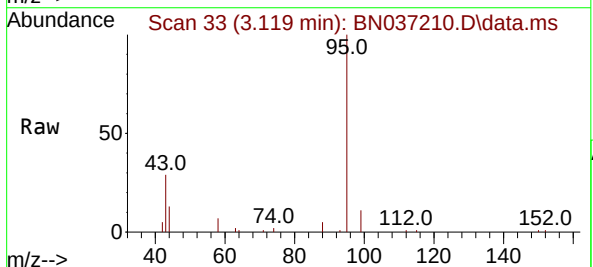
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

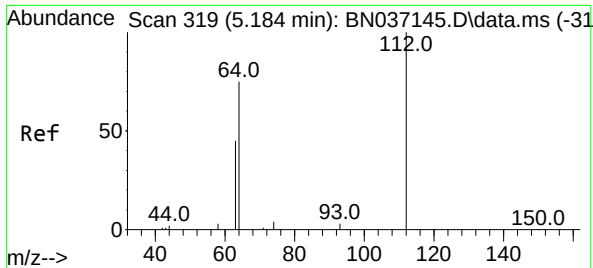
Tgt Ion:152 Resp: 1975  
Ion Ratio Lower Upper  
152 100  
150 151.9 123.2 184.8  
115 68.2 56.6 85.0



#2  
1,4-Dioxane  
Concen: 0.078 ng  
RT: 3.119 min Scan# 33  
Delta R.T. -0.007 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

Tgt Ion: 88 Resp: 206  
Ion Ratio Lower Upper  
88 100  
43 411.2 43.5 65.3#  
58 58.3 67.7 101.5#

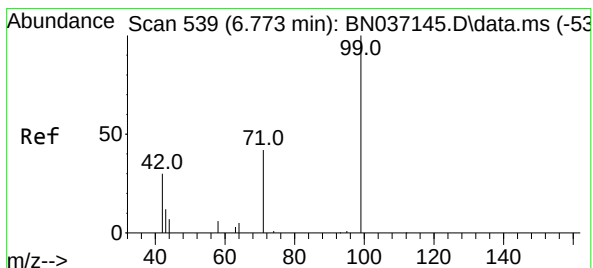
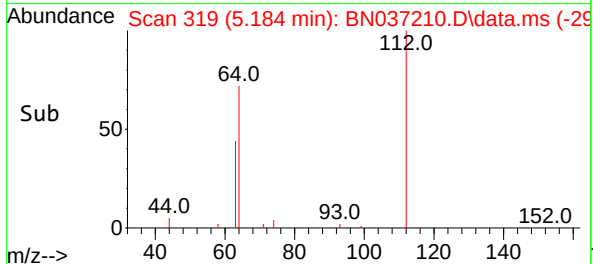
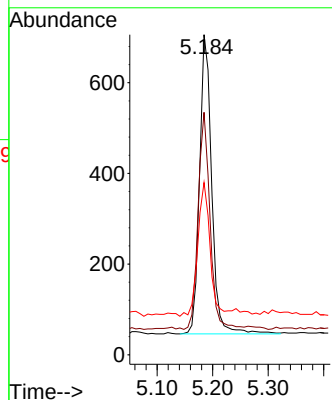
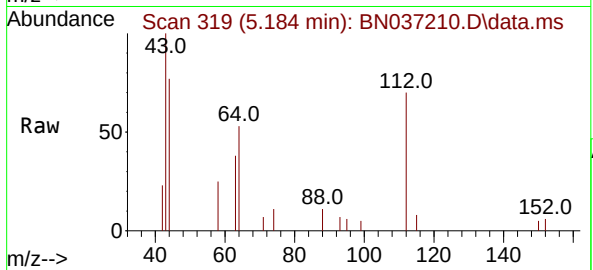




#4  
2-Fluorophenol  
Concen: 0.205 ng  
RT: 5.184 min Scan# 319  
Delta R.T. -0.000 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

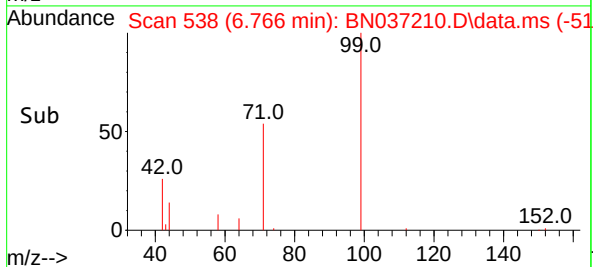
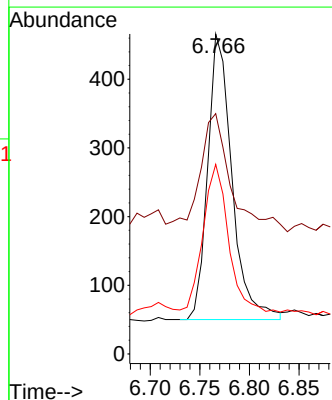
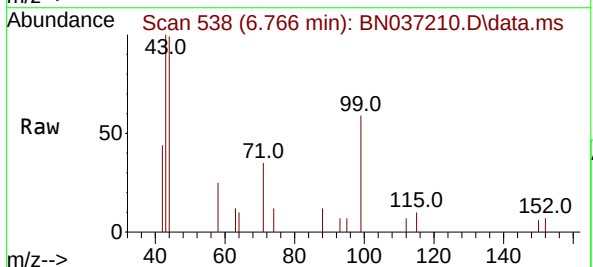
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

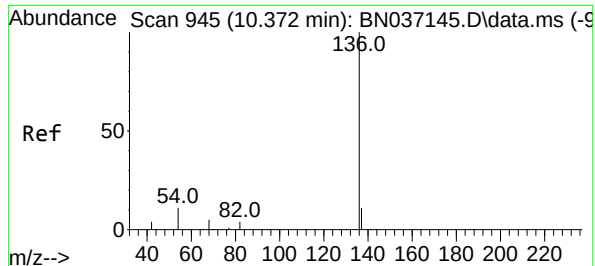
Tgt Ion:112 Resp: 1003  
Ion Ratio Lower Upper  
112 100  
64 70.8 56.3 84.5  
63 44.8 36.2 54.4



#5  
Phenol-d6  
Concen: 0.119 ng  
RT: 6.766 min Scan# 538  
Delta R.T. -0.007 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

Tgt Ion: 99 Resp: 706  
Ion Ratio Lower Upper  
99 100  
42 52.7 31.3 46.9#  
71 54.8 38.2 57.2

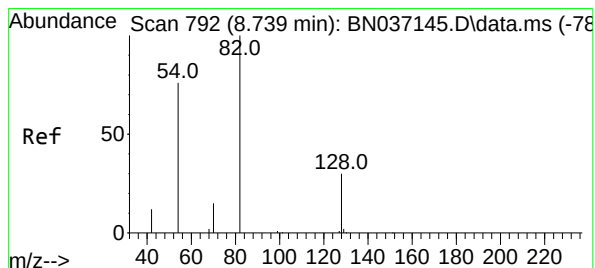
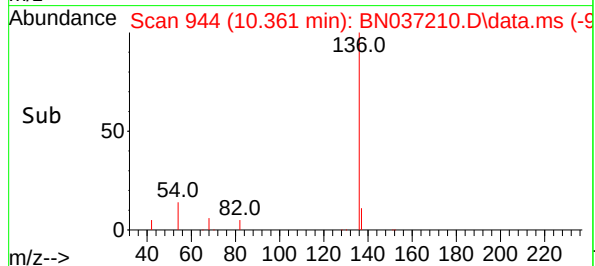
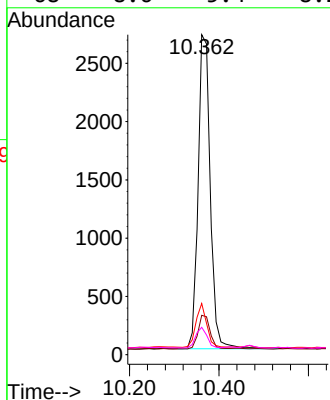
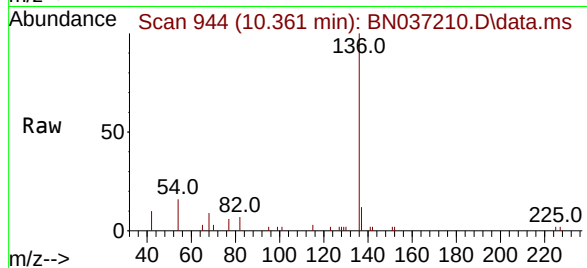




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.361 min Scan# 945  
Delta R.T. -0.011 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

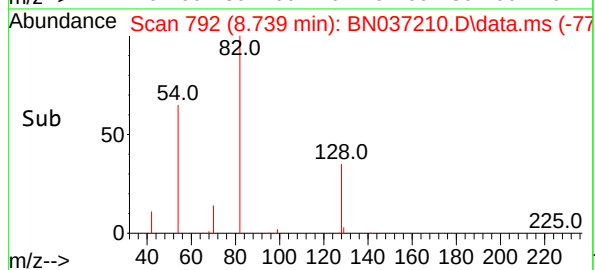
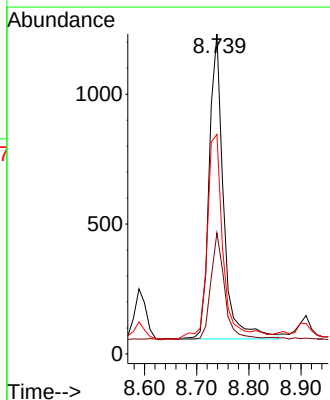
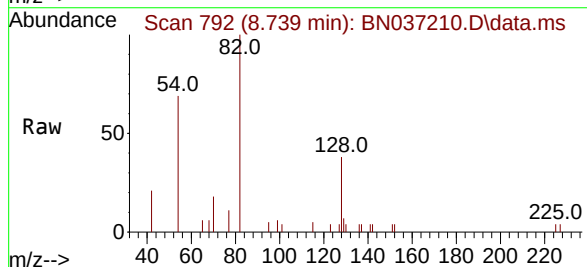
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

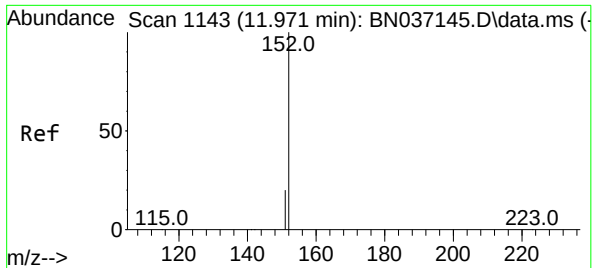
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 5099  |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 12.3  | 9.7   | 14.5  |
| 54       | 16.0  | 9.7   | 14.5# |
| 68       | 8.6   | 5.4   | 8.2#  |



#8  
Nitrobenzene-d5  
Concen: 0.415 ng  
RT: 8.739 min Scan# 792  
Delta R.T. -0.000 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 2235  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 37.8  | 26.9  | 40.3  |
| 54       | 68.6  | 61.4  | 92.2  |

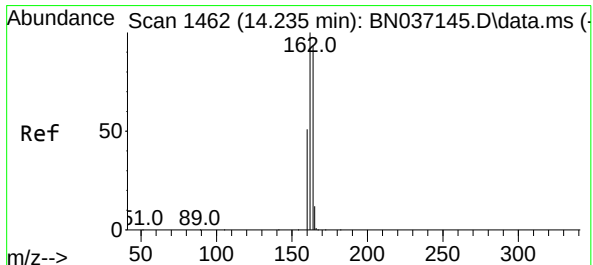
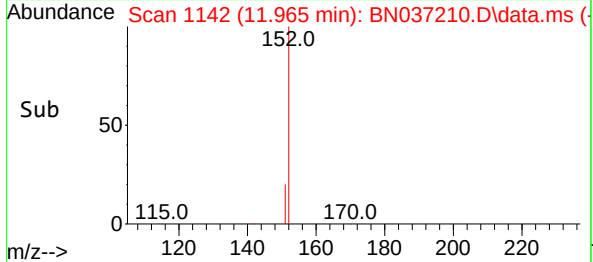
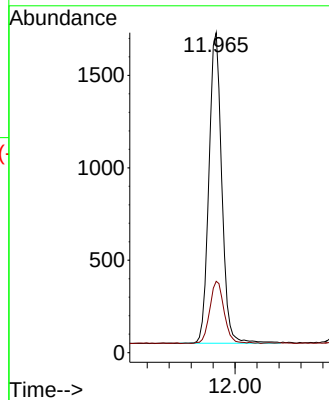
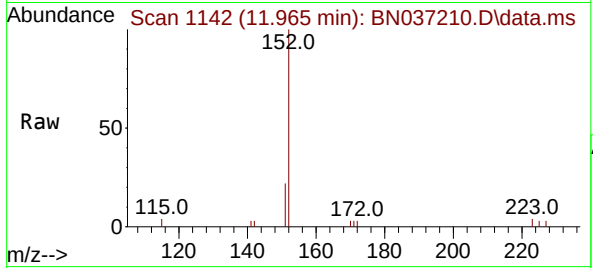




#11  
2-Methylnaphthalene-d10  
Concen: 0.385 ng  
RT: 11.965 min Scan# 1142  
Delta R.T. -0.005 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

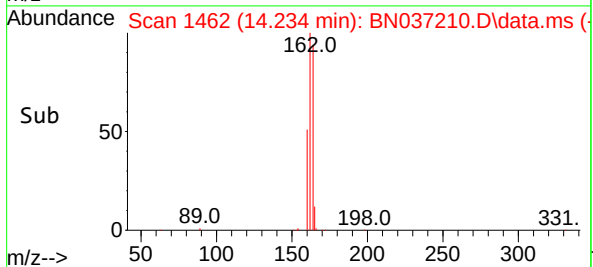
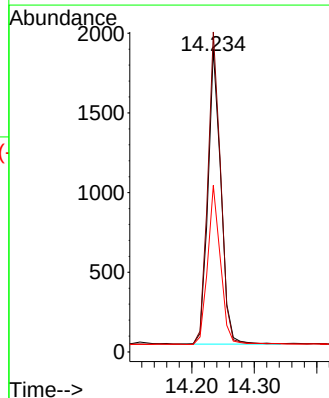
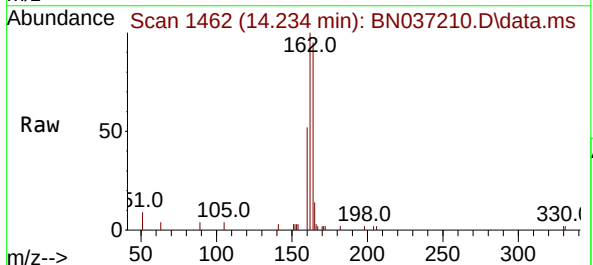
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

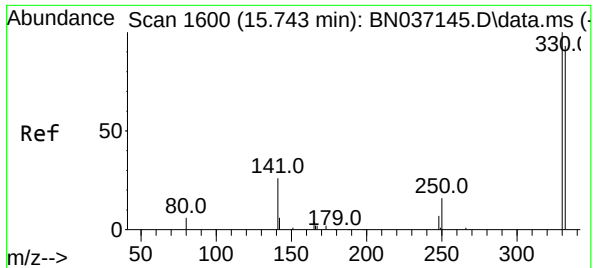
Tgt Ion:152 Resp: 2730  
Ion Ratio Lower Upper  
152 100  
151 22.2 17.1 25.7



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.234 min Scan# 1462  
Delta R.T. -0.000 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

Tgt Ion:164 Resp: 2655  
Ion Ratio Lower Upper  
164 100  
162 105.8 85.5 128.3  
160 55.1 44.6 67.0

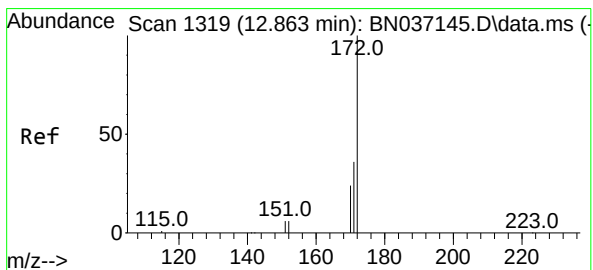
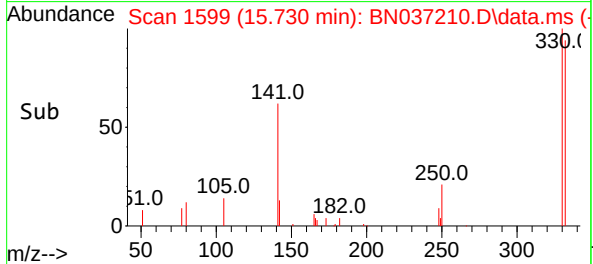
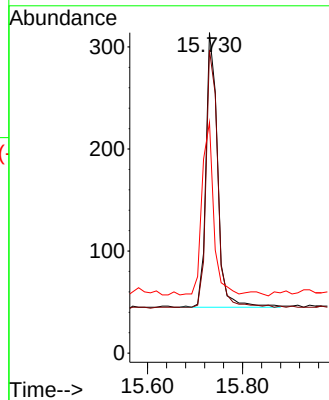
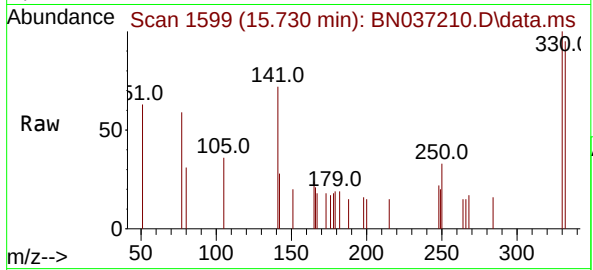




#14  
2,4,6-Tribromophenol  
Concen: 0.430 ng  
RT: 15.730 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

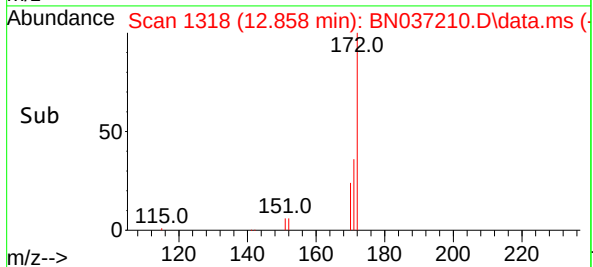
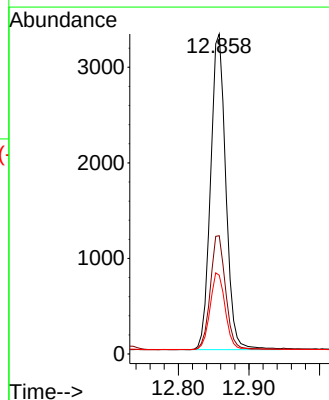
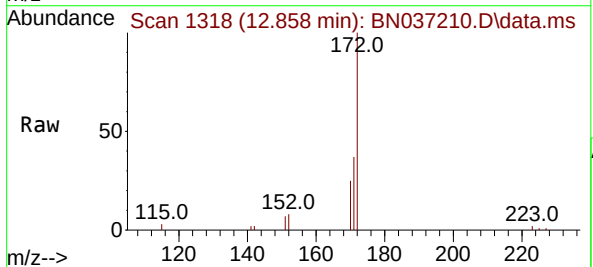
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 460   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 93.7  | 77.1  | 115.7 |
| 141      | 63.3  | 46.4  | 69.6  |

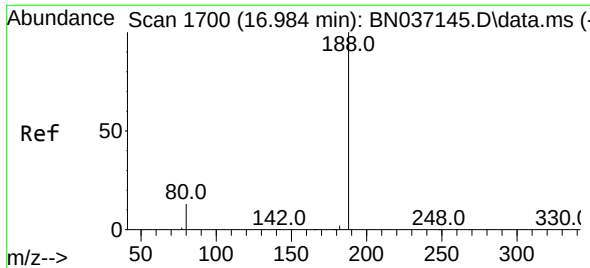


#15  
2-Fluorobiphenyl  
Concen: 0.438 ng  
RT: 12.858 min Scan# 1318  
Delta R.T. -0.005 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 172   | Resp: | 4957  |
| Ion      | Ratio | Lower | Upper |
| 172      | 100   |       |       |
| 171      | 36.9  | 29.6  | 44.4  |
| 170      | 24.6  | 20.3  | 30.5  |



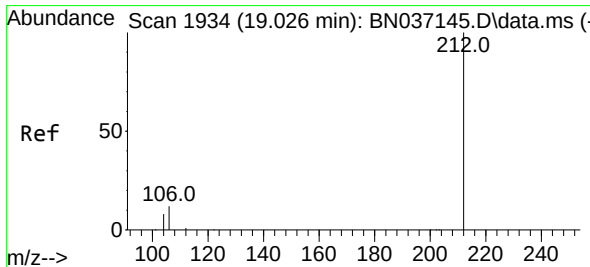
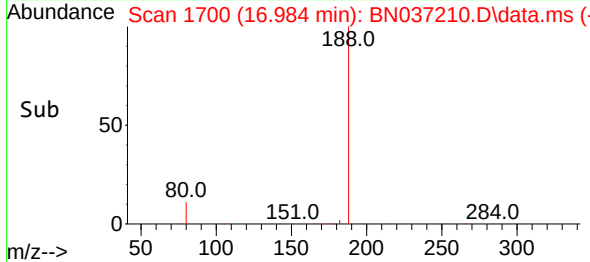
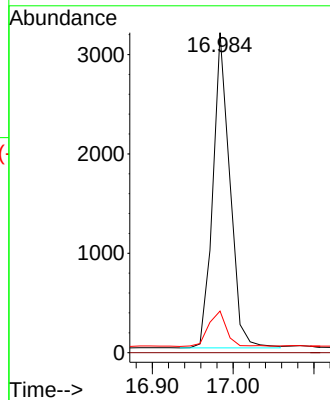
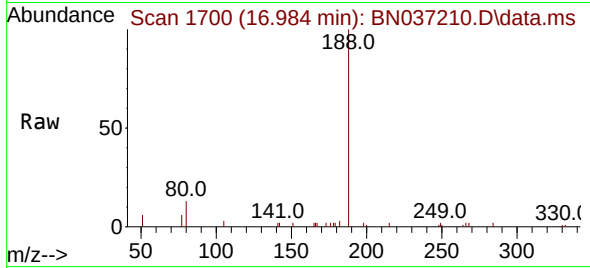




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.984 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

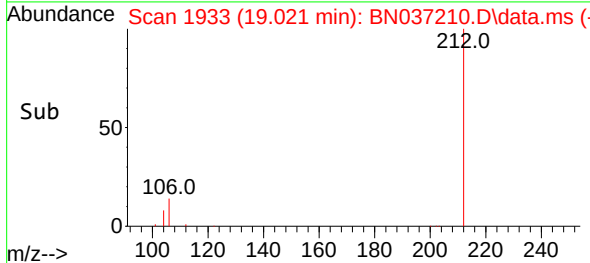
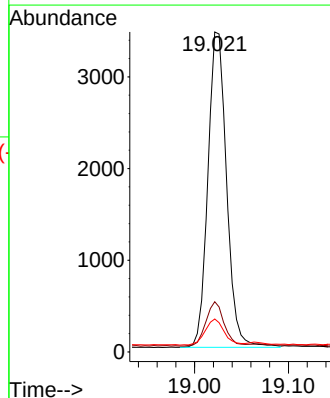
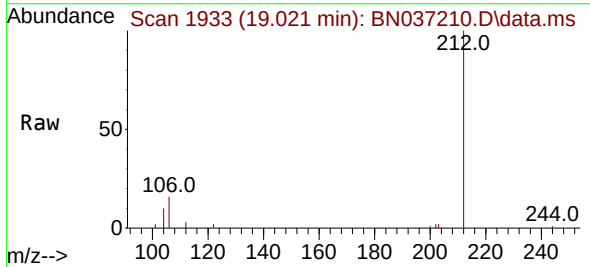
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

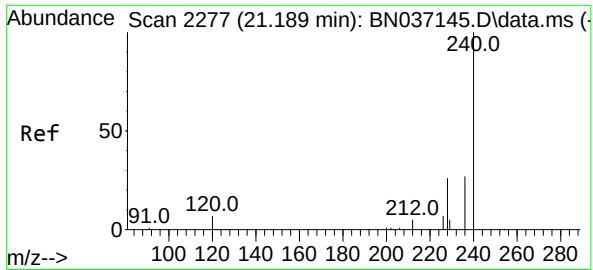
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 4633 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 13.0  | 11.3  | 16.9 |



#27  
Fluoranthene-d10  
Concen: 0.404 ng  
RT: 19.021 min Scan# 1933  
Delta R.T. -0.005 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 4756 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 13.6  | 10.6  | 15.8 |
| 104       | 8.3   | 6.6   | 9.8  |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.180 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037210.D

Acq: 10 Jun 2025 02:49

Instrument :

BNA\_N

ClientSampleId :

MW-06-6.5-060525

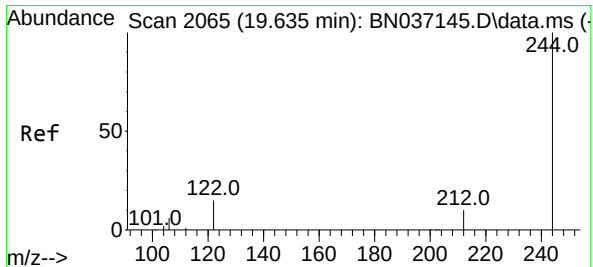
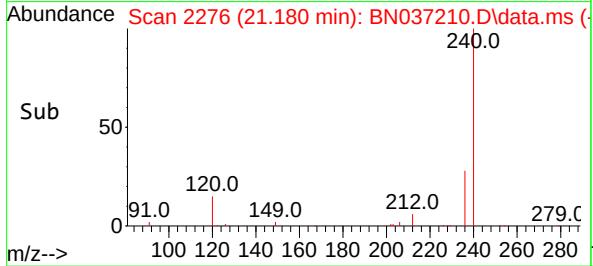
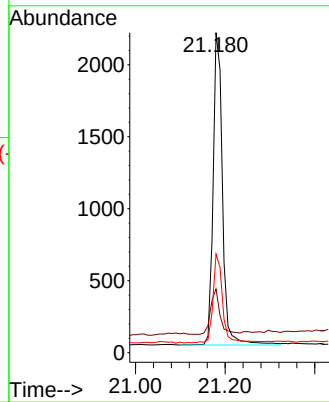
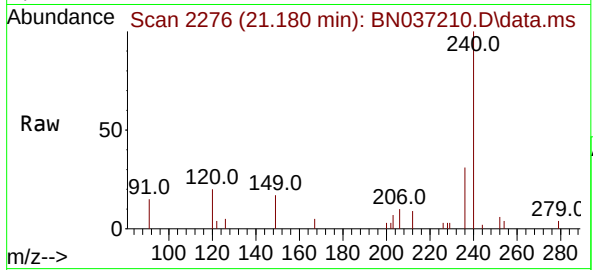
Tgt Ion:240 Resp: 3167

Ion Ratio Lower Upper

240 100

120 19.9 9.0 13.4#

236 30.8 23.0 34.4



#31

Terphenyl-d14

Concen: 0.542 ng

RT: 19.630 min Scan# 2064

Delta R.T. -0.005 min

Lab File: BN037210.D

Acq: 10 Jun 2025 02:49

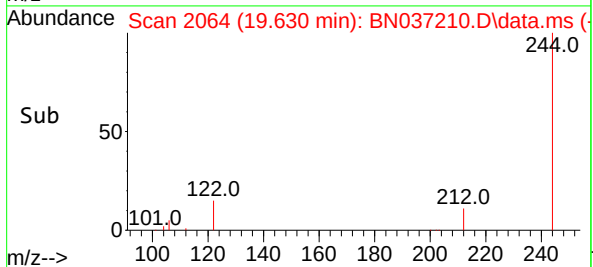
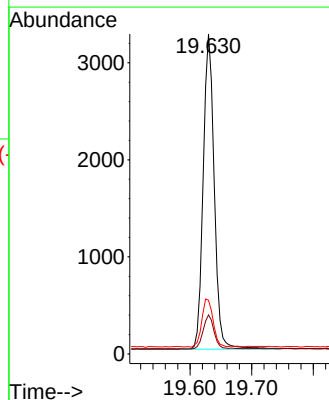
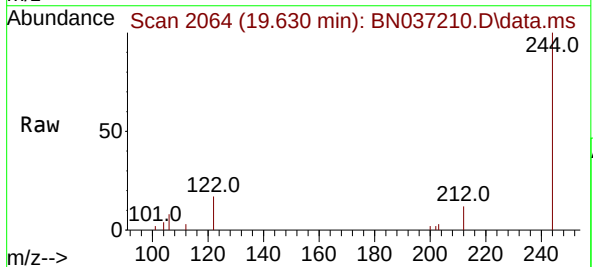
Tgt Ion:244 Resp: 4038

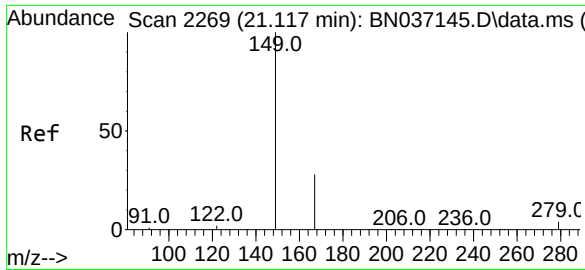
Ion Ratio Lower Upper

244 100

212 12.2 10.0 15.0

122 16.8 13.2 19.8

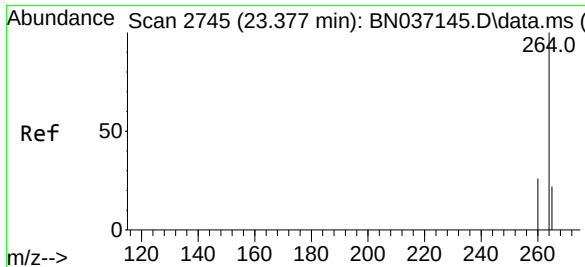
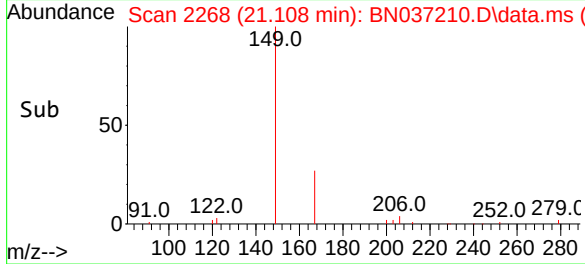
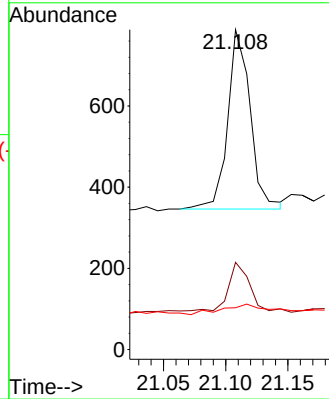
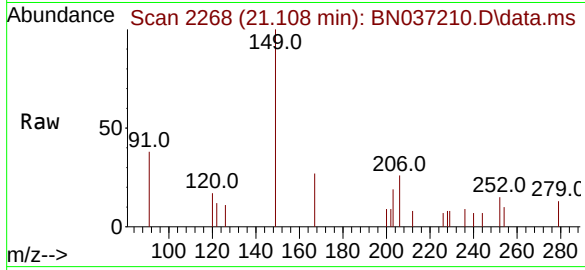




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.077 ng  
RT: 21.108 min Scan# 21108  
Delta R.T. -0.009 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

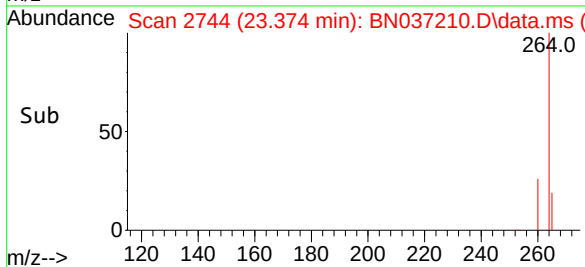
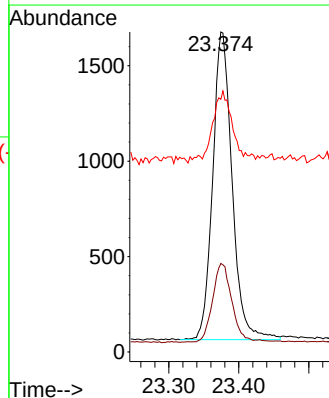
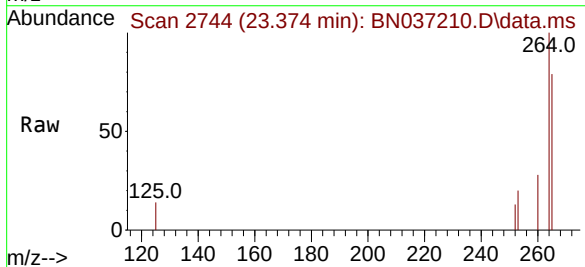
Instrument :  
BNA\_N  
ClientSampleId :  
MW-06-6.5-060525

Tgt Ion:149 Resp: 558  
Ion Ratio Lower Upper  
149 100  
167 27.2 21.0 31.4  
279 13.4 2.9 4.3#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.374 min Scan# 2744  
Delta R.T. -0.003 min  
Lab File: BN037210.D  
Acq: 10 Jun 2025 02:49

Tgt Ion:264 Resp: 3104  
Ion Ratio Lower Upper  
264 100  
260 27.7 22.1 33.1  
265 79.0 55.8 83.8



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037199.D  
Acq On : 09 Jun 2025 19:27  
Operator : RC/JU  
Sample : Q2250-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

Quant Time: Jun 10 04:03:09 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

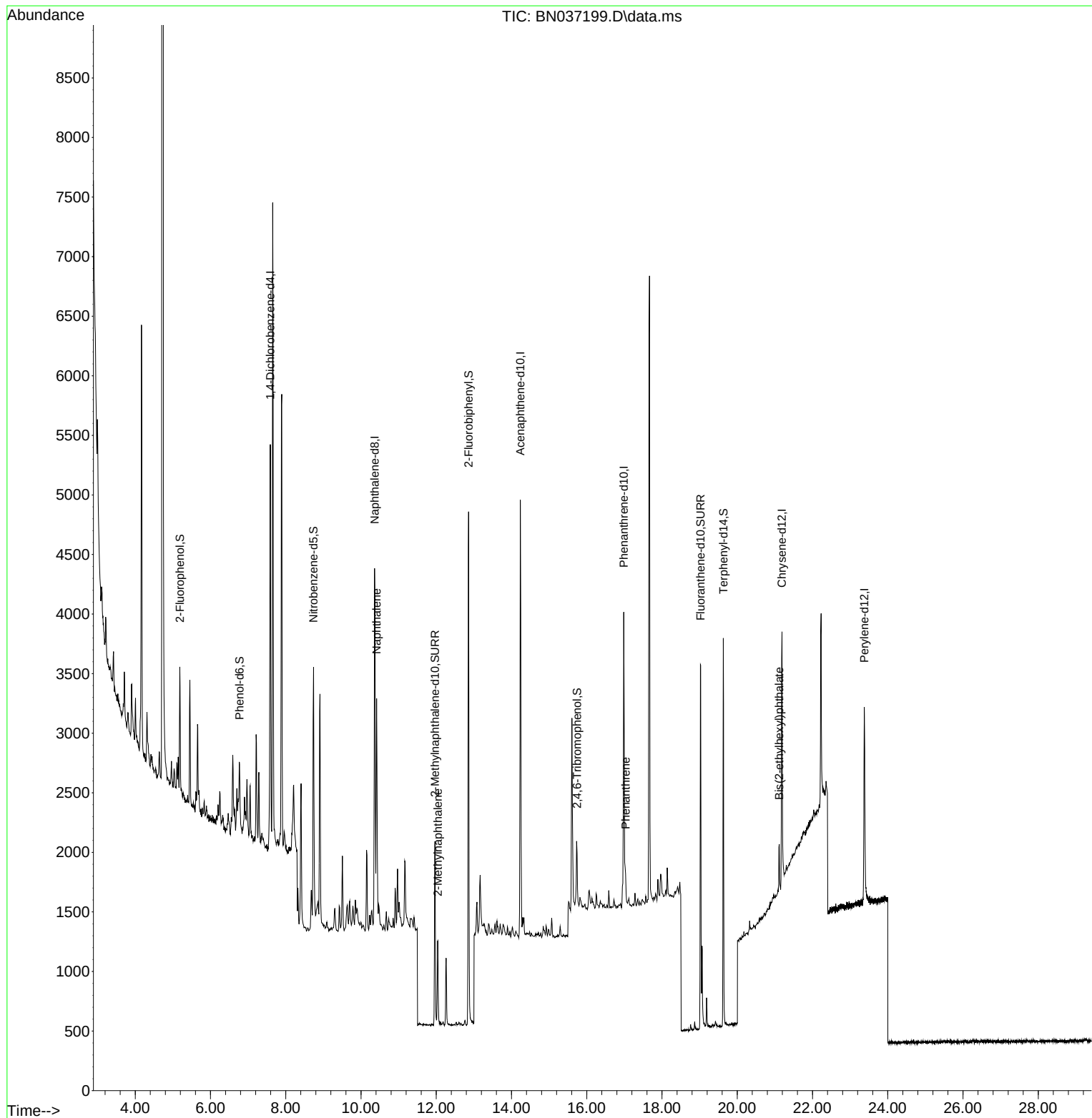
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.589  | 152  | 1555     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.362 | 136  | 3832     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.235 | 164  | 2033     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.984 | 188  | 3502     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.189 | 240  | 2341     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.377 | 264  | 2267     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.184  | 112  | 698      | 0.182 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.773  | 99   | 472      | 0.101 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.739  | 82   | 1662     | 0.411 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.966 | 152  | 2087     | 0.391 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.743 | 330  | 331      | 0.404 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.858 | 172  | 3832     | 0.442 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.026 | 212  | 3674     | 0.413 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.630 | 244  | 3024     | 0.549 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 9) Naphthalene                | 10.415 | 128  | 1769     | 0.160 | ng    | 95       |
| 12) 2-Methylnaphthalene       | 12.042 | 142  | 486      | 0.069 | ng    | 93       |
| 25) Phenanthrene              | 17.033 | 178  | 288      | 0.025 | ng    | # 93     |
| 34) Bis(2-ethylhexyl)phtha... | 21.117 | 149  | 421      | 0.079 | ng    | # 96     |

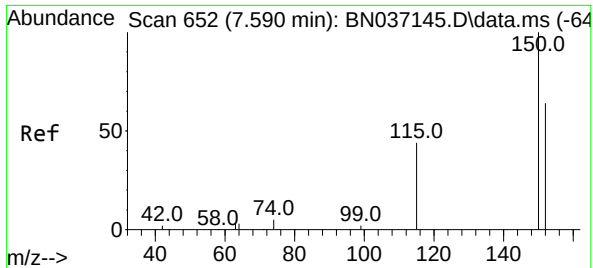
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037199.D  
Acq On : 09 Jun 2025 19:27  
Operator : RC/JU  
Sample : Q2250-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

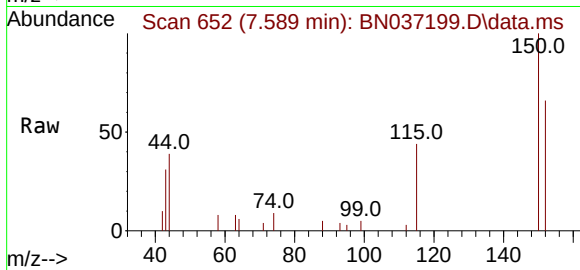
Quant Time: Jun 10 04:03:09 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration



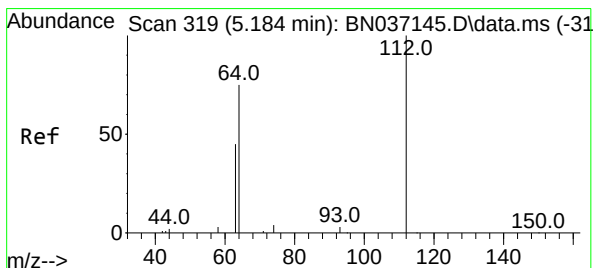
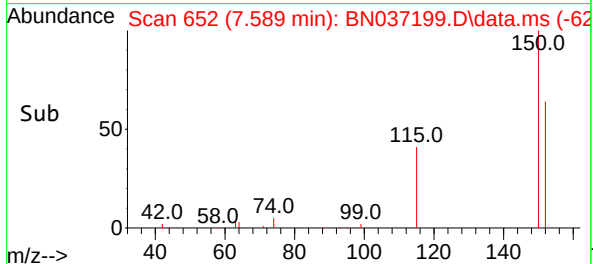
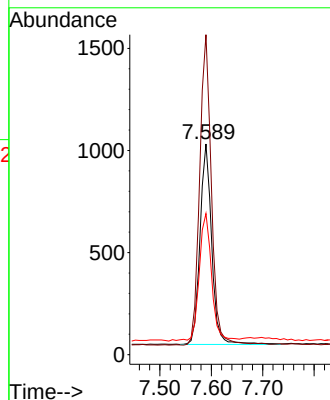


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.589 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

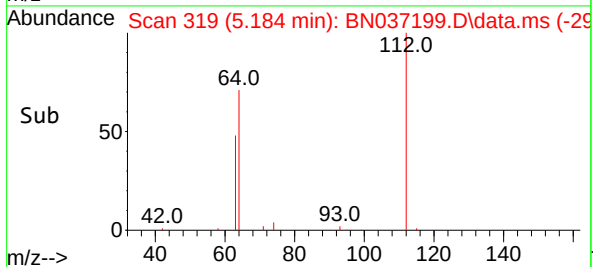
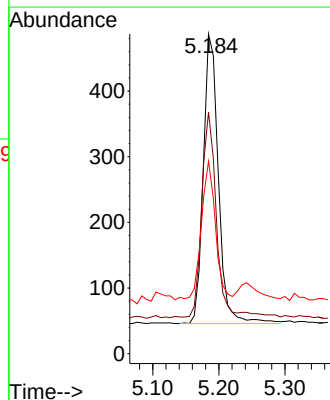
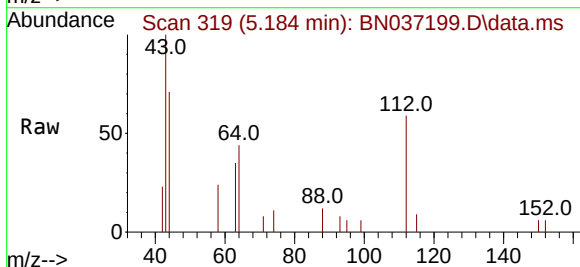


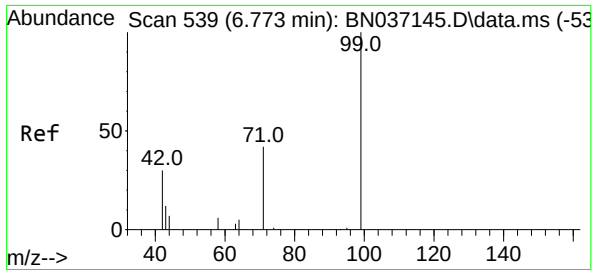
Tgt Ion:152 Resp: 1555  
Ion Ratio Lower Upper  
152 100  
150 151.8 123.2 184.8  
115 67.0 56.6 85.0



#4  
2-Fluorophenol  
Concen: 0.182 ng  
RT: 5.184 min Scan# 319  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

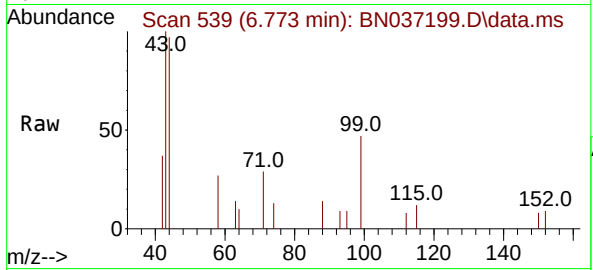
Tgt Ion:112 Resp: 698  
Ion Ratio Lower Upper  
112 100  
64 66.9 56.3 84.5  
63 46.6 36.2 54.4



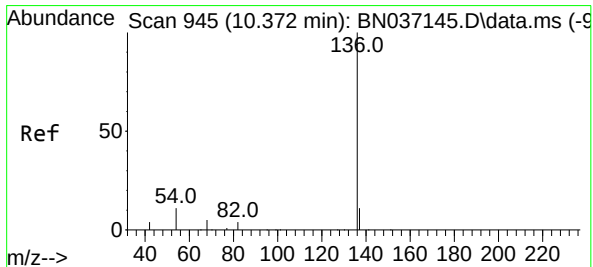
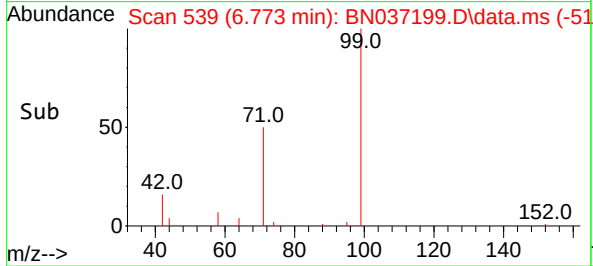
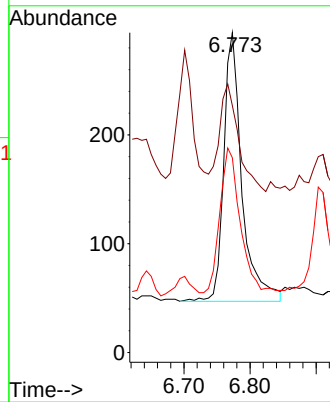


#5  
Phenol-d6  
Concen: 0.101 ng  
RT: 6.773 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

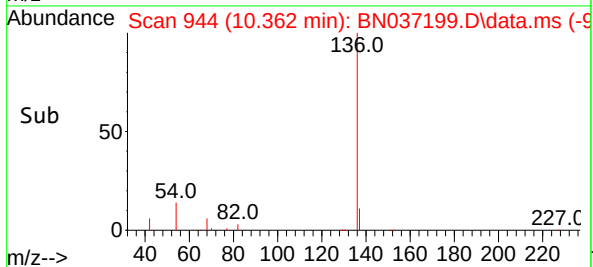
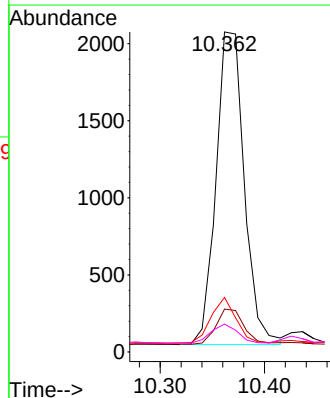
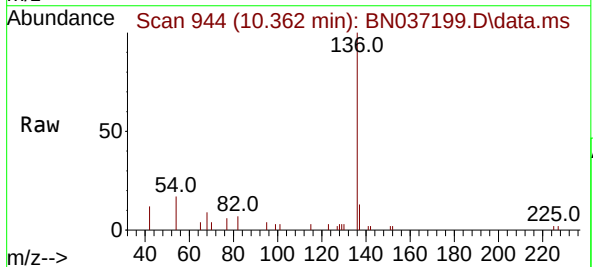


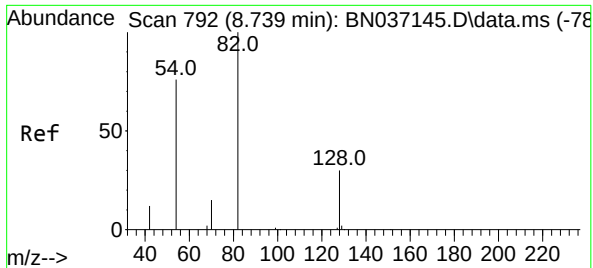
Tgt Ion: 99 Resp: 472  
Ion Ratio Lower Upper  
99 100  
42 42.2 31.3 46.9  
71 60.0 38.2 57.2#



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.362 min Scan# 944  
Delta R.T. -0.011 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

Tgt Ion: 136 Resp: 3832  
Ion Ratio Lower Upper  
136 100  
137 13.4 9.7 14.5  
54 17.1 9.7 14.5#  
68 8.7 5.4 8.2#

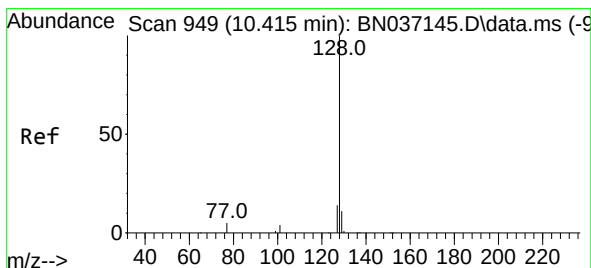
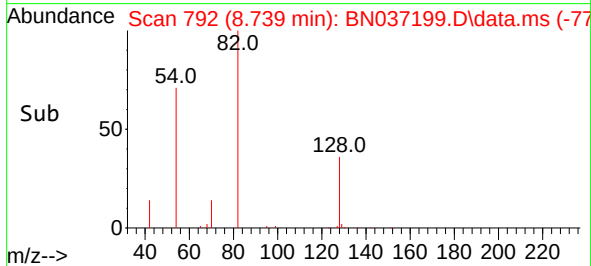
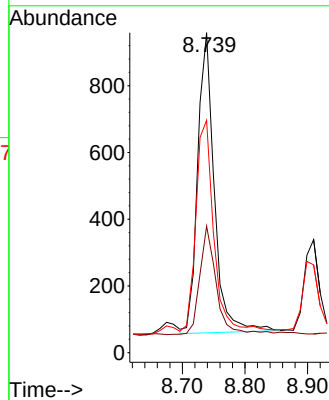
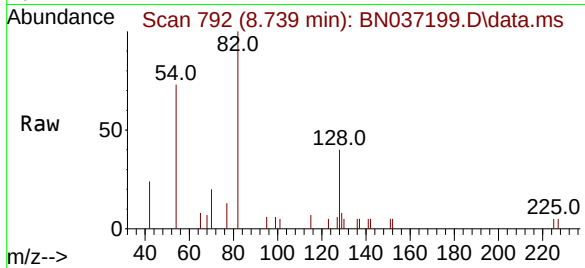




#8  
Nitrobenzene-d5  
Concen: 0.411 ng  
RT: 8.739 min Scan# 792  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

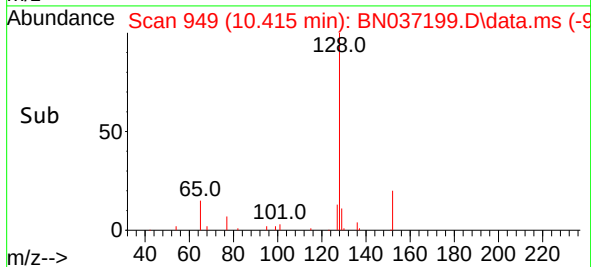
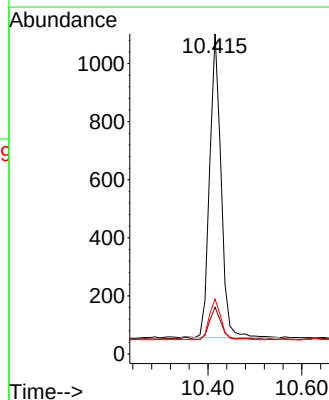
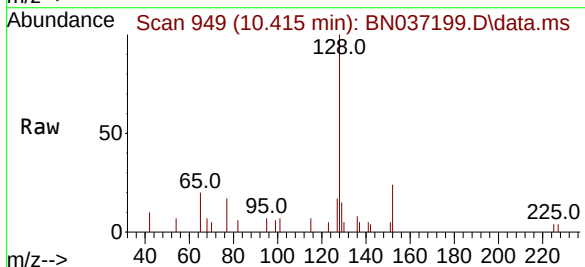
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 1662 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 39.5  | 26.9  | 40.3 |
| 54        | 72.6  | 61.4  | 92.2 |

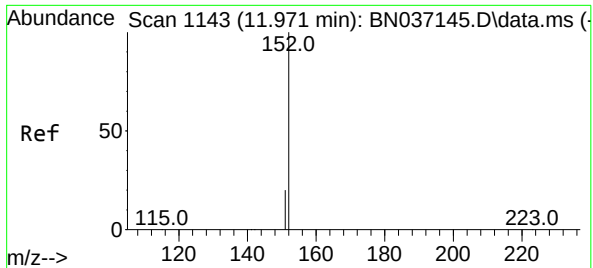


#9  
Naphthalene  
Concen: 0.160 ng  
RT: 10.415 min Scan# 949  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 1769 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 129       | 14.6  | 9.8   | 14.8 |
| 127       | 17.2  | 12.3  | 18.5 |



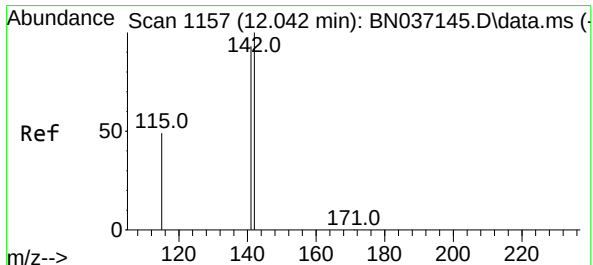
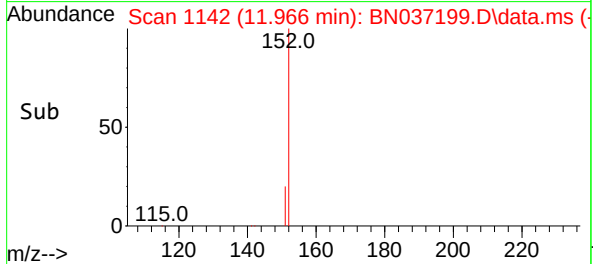
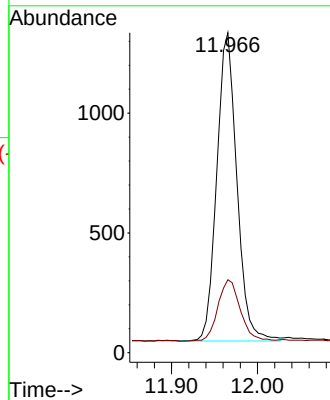
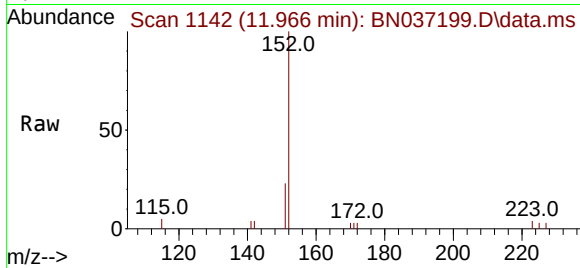




#11  
2-Methylnaphthalene-d10  
Concen: 0.391 ng  
RT: 11.966 min Scan# 1142  
Delta R.T. -0.005 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

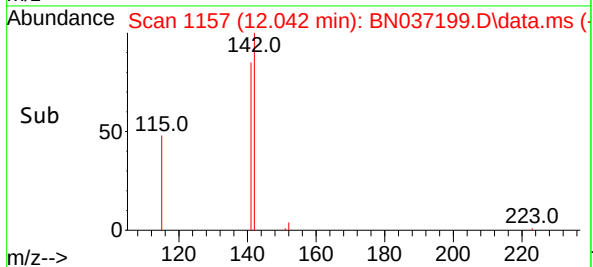
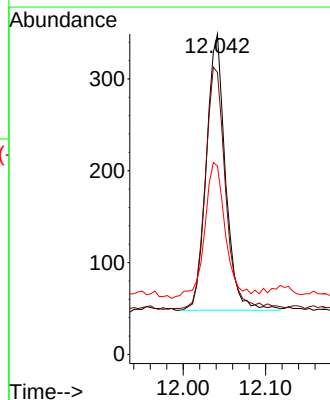
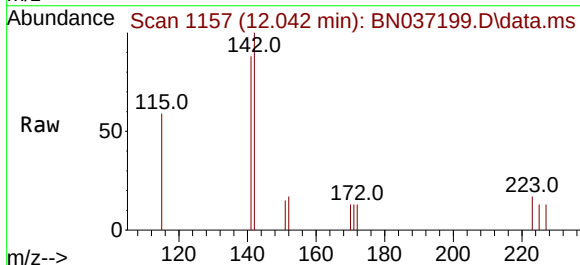
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

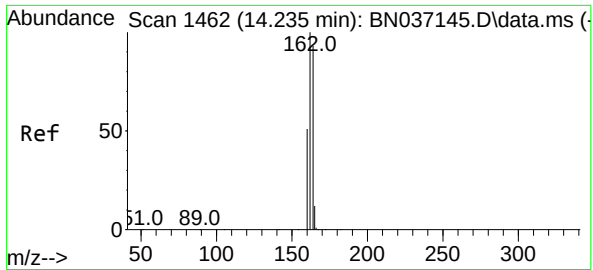
Tgt Ion:152 Resp: 2087  
Ion Ratio Lower Upper  
152 100  
151 22.3 17.1 25.7



#12  
2-Methylnaphthalene  
Concen: 0.069 ng  
RT: 12.042 min Scan# 1157  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

Tgt Ion:142 Resp: 486  
Ion Ratio Lower Upper  
142 100  
141 88.0 74.6 111.8  
115 58.7 41.0 61.4

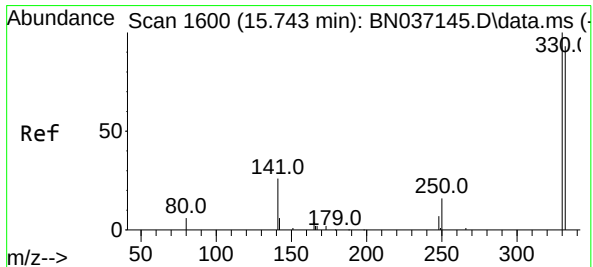
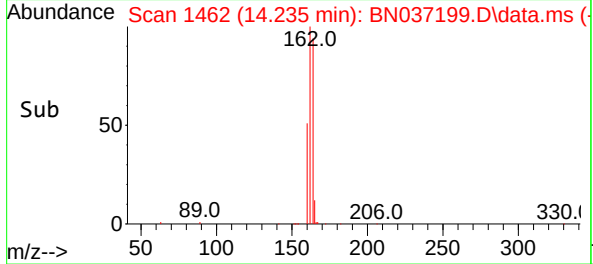
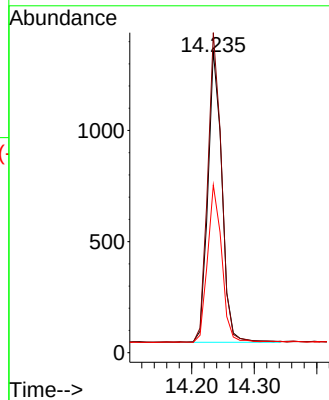
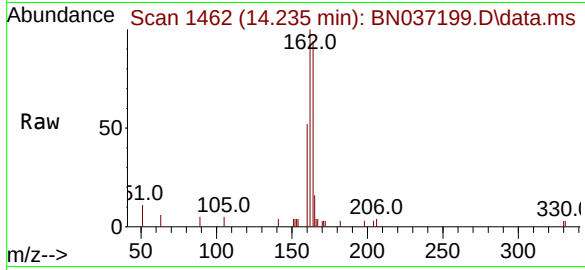




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.235 min Scan# 1462  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

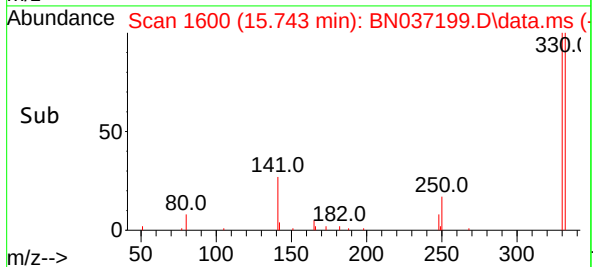
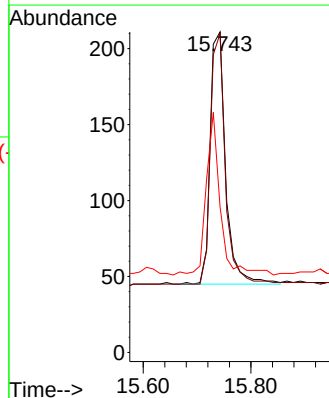
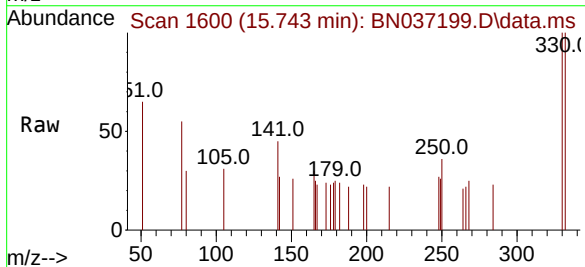
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

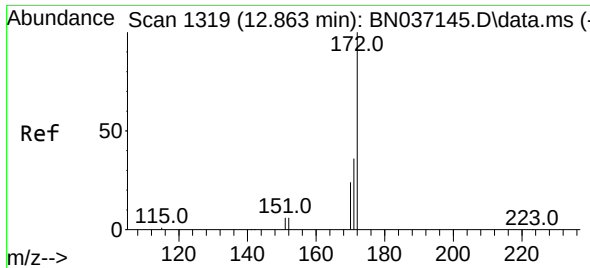
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 2033  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 162      | 106.0 | 85.5  | 128.3 |
| 160      | 55.6  | 44.6  | 67.0  |



#14  
2,4,6-Tribromophenol  
Concen: 0.404 ng  
RT: 15.743 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

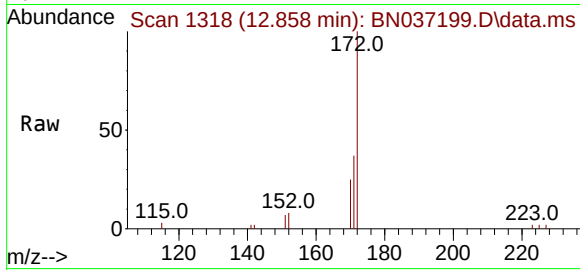
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 331   |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 95.5  | 77.1  | 115.7 |
| 141      | 58.6  | 46.4  | 69.6  |



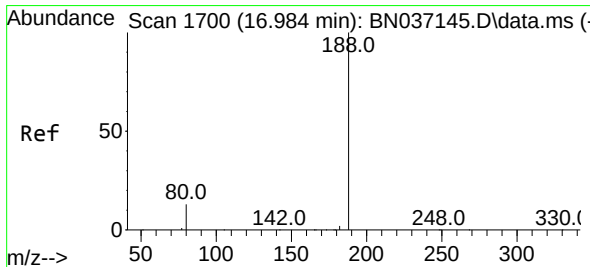
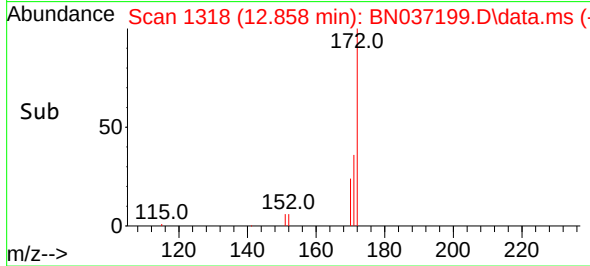
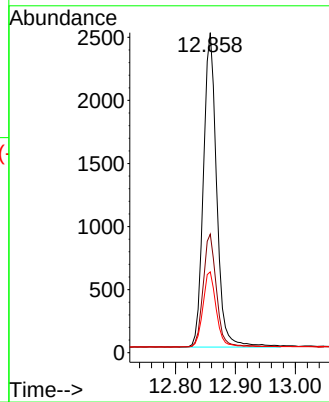


#15  
2-Fluorobiphenyl  
Concen: 0.442 ng  
RT: 12.858 min Scan# 11  
Delta R.T. -0.005 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

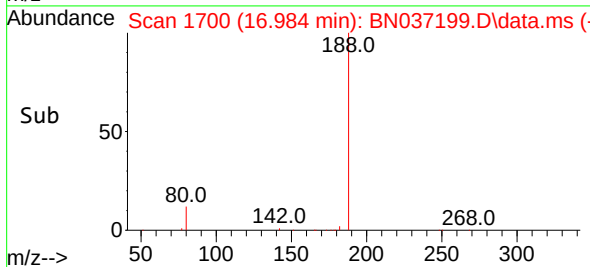
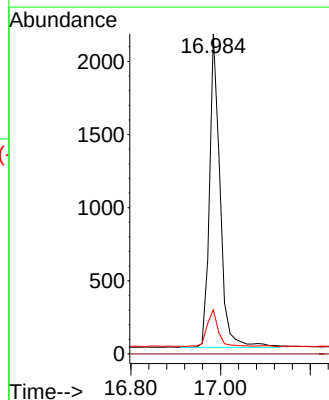
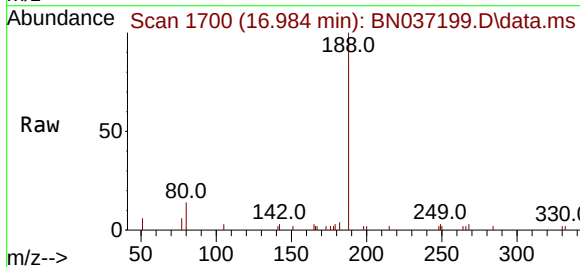


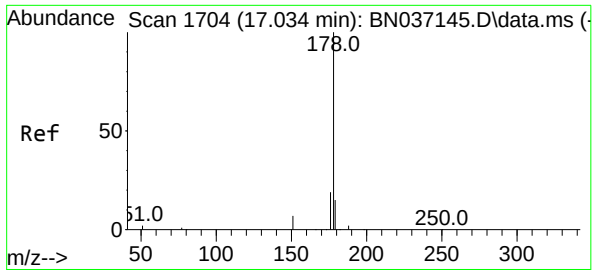
Tgt Ion:172 Resp: 3832  
Ion Ratio Lower Upper  
172 100  
171 37.1 29.6 44.4  
170 25.3 20.3 30.5



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.984 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

Tgt Ion:188 Resp: 3502  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 13.8 11.3 16.9





#25

Phenanthrene

Concen: 0.025 ng

RT: 17.033 min Scan# 1704

Delta R.T. -0.000 min

Lab File: BN037199.D

Acq: 09 Jun 2025 19:27

Instrument :

BNA\_N

ClientSampleId :

EB02-060525

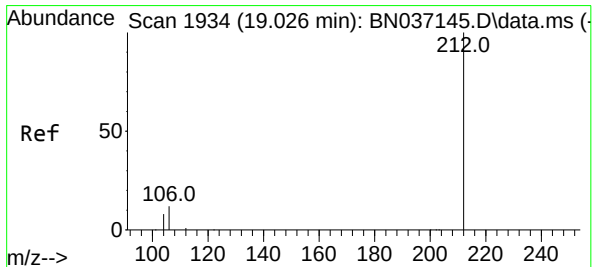
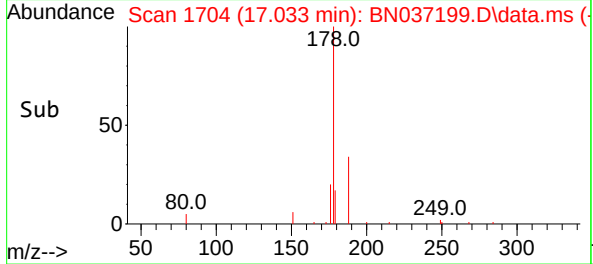
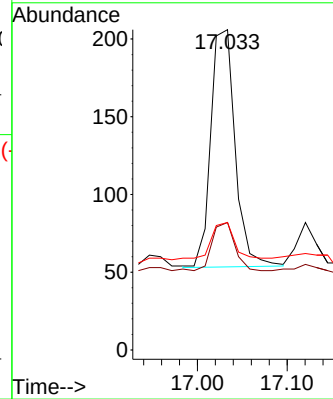
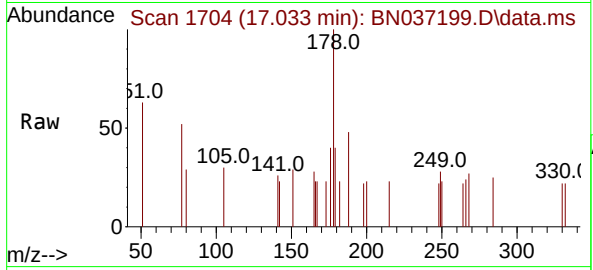
Tgt Ion:178 Resp: 288

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 21.5 12.3 18.5#



#27

Fluoranthene-d10

Concen: 0.413 ng

RT: 19.026 min Scan# 1934

Delta R.T. -0.000 min

Lab File: BN037199.D

Acq: 09 Jun 2025 19:27

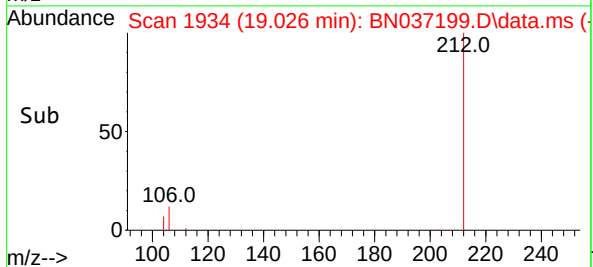
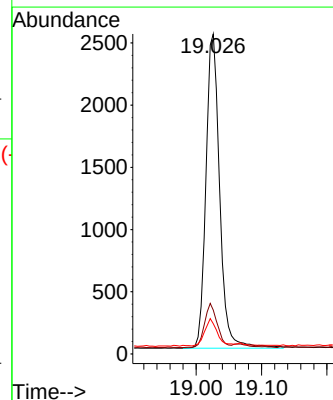
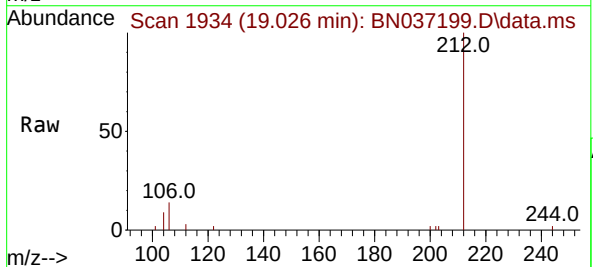
Tgt Ion:212 Resp: 3674

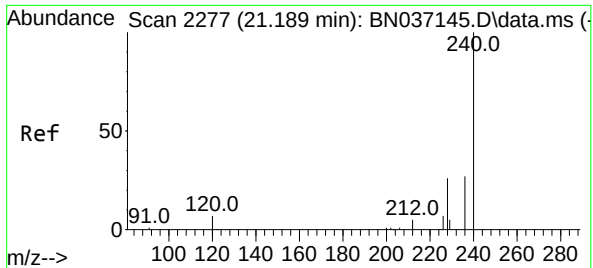
Ion Ratio Lower Upper

212 100

106 13.1 10.6 15.8

104 7.9 6.6 9.8

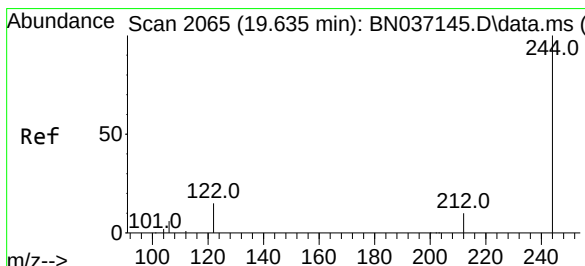
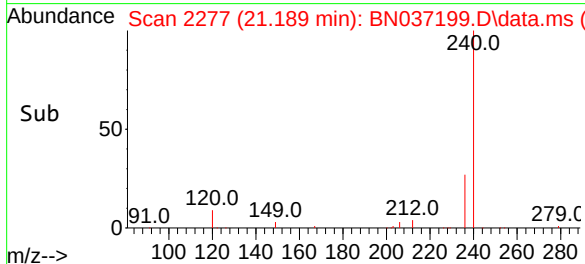
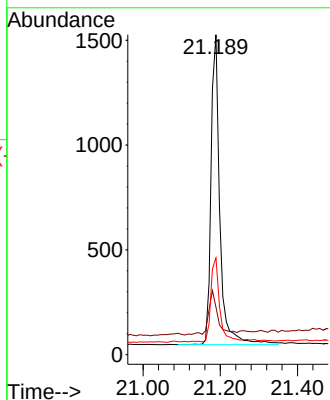
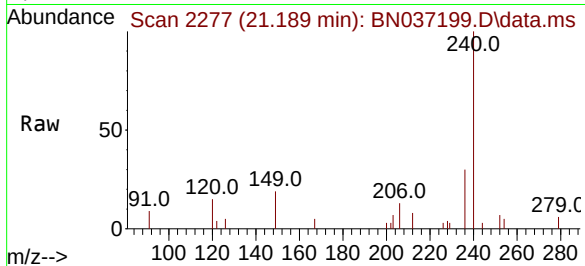




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.189 min Scan# 21189  
Delta R.T. -0.000 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

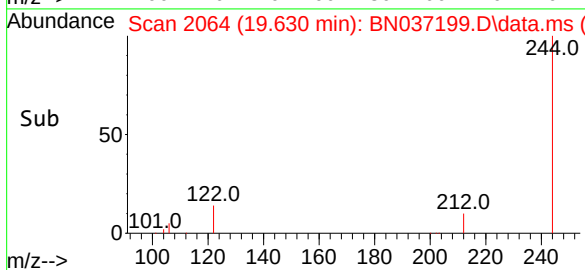
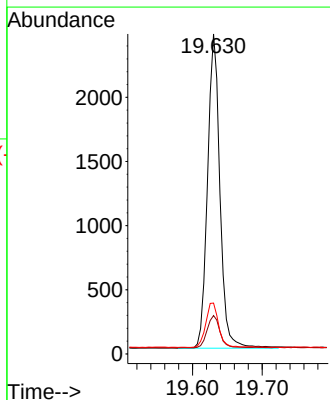
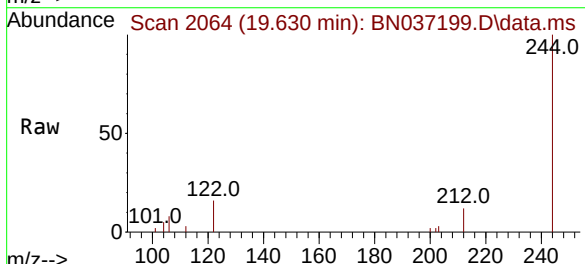
Instrument :  
BNA\_N  
ClientSampleId :  
EB02-060525

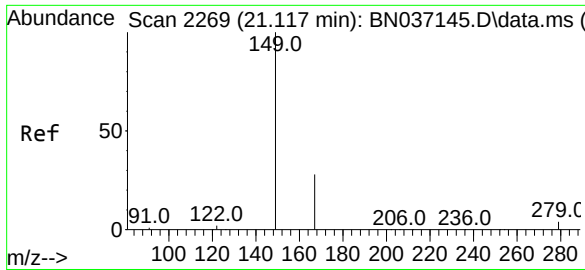
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.9  | 9.0   | 13.4# |
| 236     | 30.3  | 23.0  | 34.4  |



#31  
Terphenyl-d14  
Concen: 0.549 ng  
RT: 19.630 min Scan# 2064  
Delta R.T. -0.005 min  
Lab File: BN037199.D  
Acq: 09 Jun 2025 19:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 12.0  | 10.0  | 15.0  |
| 122     | 15.9  | 13.2  | 19.8  |

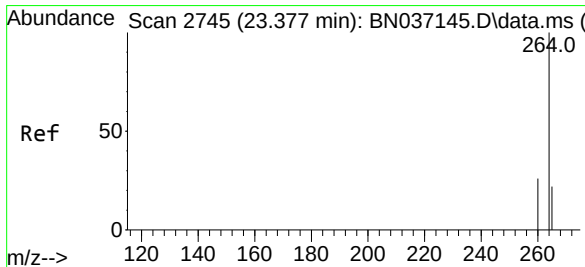
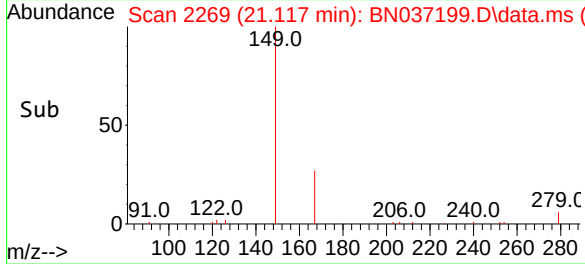
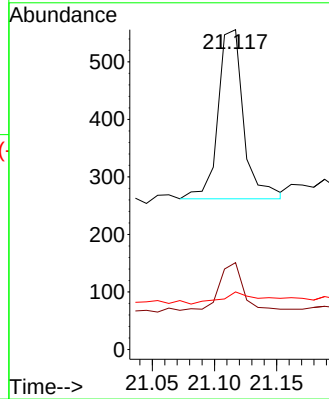
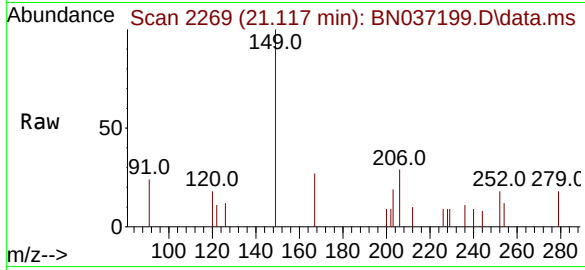




#34  
 Bis(2-ethylhexyl)phthalate  
 Concen: 0.079 ng  
 RT: 21.117 min Scan# 2117  
 Delta R.T. -0.000 min  
 Lab File: BN037199.D  
 Acq: 09 Jun 2025 19:27

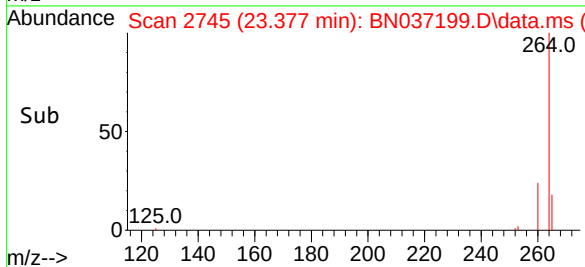
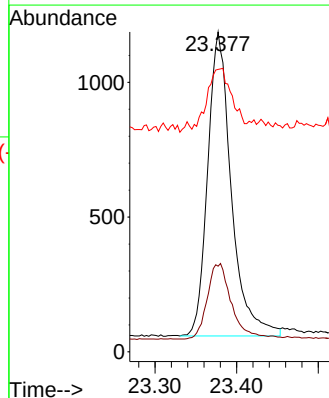
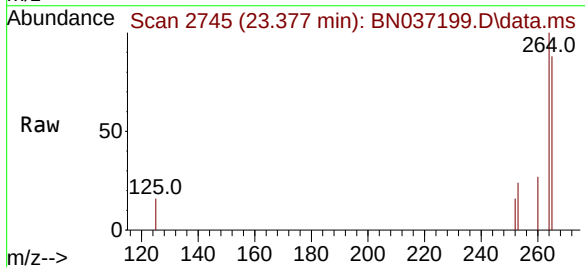
Instrument :  
 BNA\_N  
 ClientSampleId :  
 EB02-060525

Tgt Ion:149 Resp: 421  
 Ion Ratio Lower Upper  
 149 100  
 167 26.1 21.0 31.4  
 279 14.7 2.9 4.3#



#35  
 Perylene-d12  
 Concen: 0.400 ng  
 RT: 23.377 min Scan# 2745  
 Delta R.T. -0.000 min  
 Lab File: BN037199.D  
 Acq: 09 Jun 2025 19:27

Tgt Ion:264 Resp: 2267  
 Ion Ratio Lower Upper  
 264 100  
 260 26.8 22.1 33.1  
 265 88.3 55.8 83.8#



6

A

B

C

D

E

F

G

H

I

J

K

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037190.D  
Acq On : 09 Jun 2025 11:30  
Operator : RC/JU  
Sample : PB168336BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

Quant Time: Jun 09 12:24:55 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.589  | 152  | 1816     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.372 | 136  | 4227     | 0.400 | ng    | # 0.00   |
| 13) Acenaphthene-d10        | 14.245 | 164  | 2101     | 0.400 | ng    | 0.01     |
| 19) Phenanthrene-d10        | 16.996 | 188  | 3500     | 0.400 | ng    | 0.01     |
| 29) Chrysene-d12            | 21.189 | 240  | 2446     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12            | 23.386 | 264  | 2291     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.192  | 112  | 1866     | 0.416 | ng    | 0.00     |
| 5) Phenol-d6                | 6.773  | 99   | 1994     | 0.366 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.749  | 82   | 1646     | 0.369 | ng    | 0.01     |
| 11) 2-Methylnaphthalene-d10 | 11.970 | 152  | 2143     | 0.364 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.755 | 330  | 207      | 0.245 | ng    | 0.01     |
| 15) 2-Fluorobiphenyl        | 12.863 | 172  | 3619     | 0.404 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.026 | 212  | 3511     | 0.395 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.635 | 244  | 2421     | 0.420 | ng    | 0.00     |

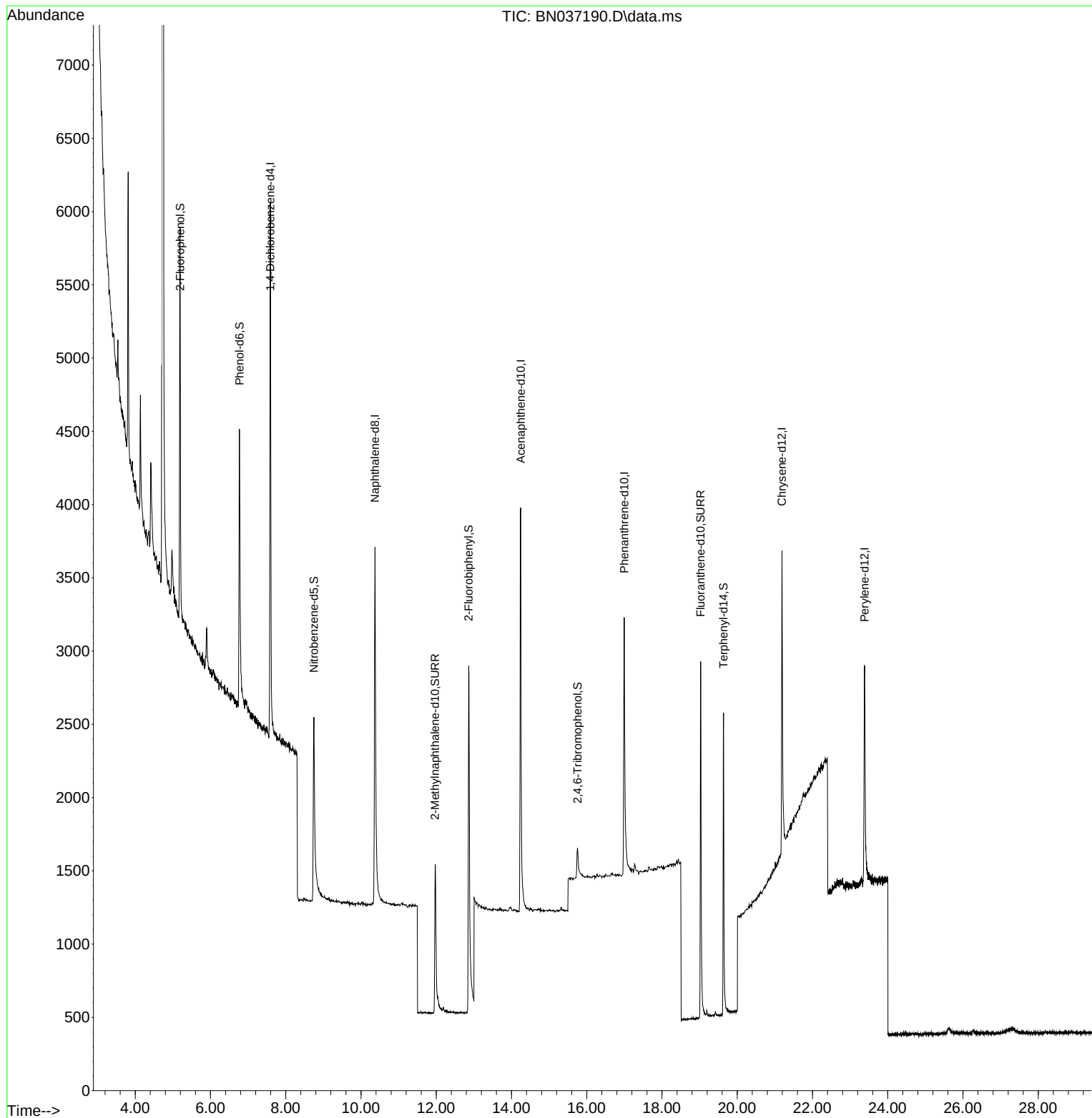
Target Compounds Qvalue

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

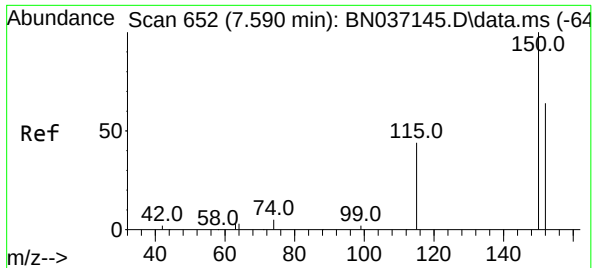
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037190.D  
Acq On : 09 Jun 2025 11:30  
Operator : RC/JU  
Sample : PB168336BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

Quant Time: Jun 09 12:24:55 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration

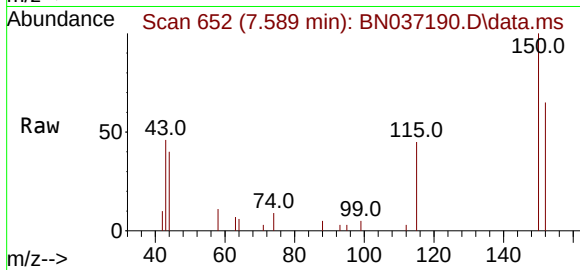




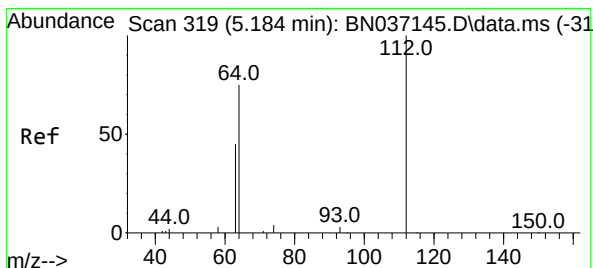
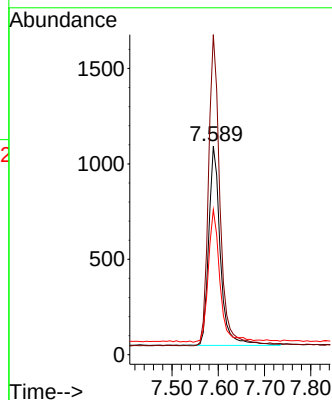
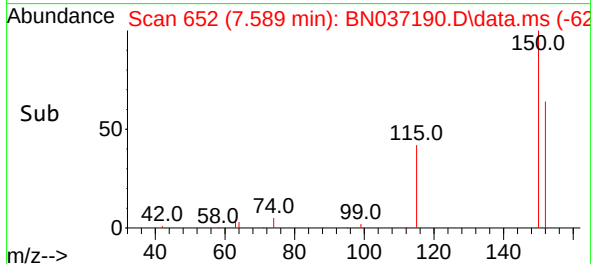


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.589 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

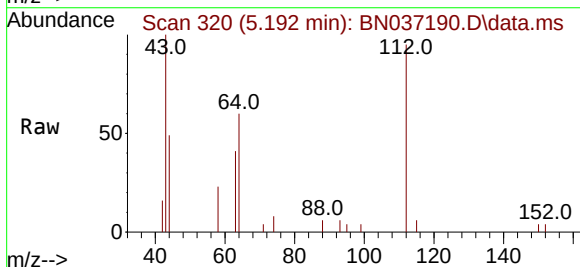
Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL



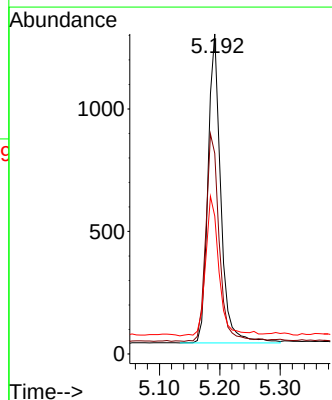
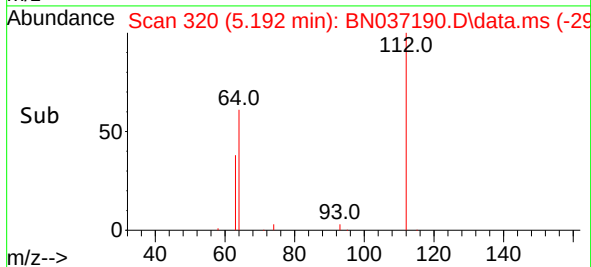
Tgt Ion:152 Resp: 1816  
Ion Ratio Lower Upper  
152 100  
150 153.4 123.2 184.8  
115 69.5 56.6 85.0

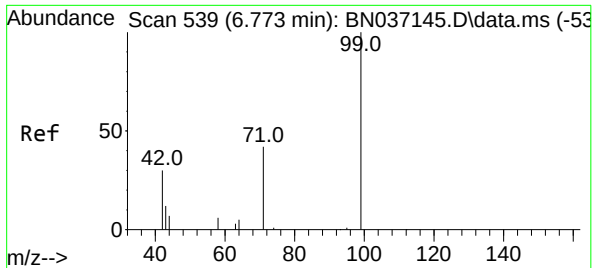


#4  
2-Fluorophenol  
Concen: 0.416 ng  
RT: 5.192 min Scan# 320  
Delta R.T. 0.007 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30



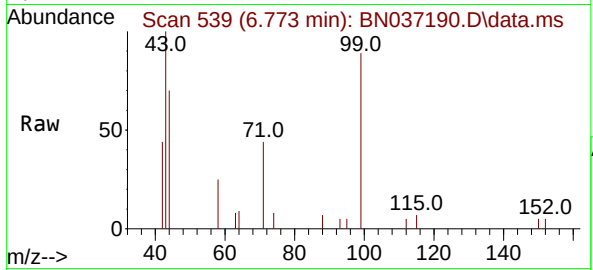
Tgt Ion:112 Resp: 1866  
Ion Ratio Lower Upper  
112 100  
64 69.8 56.3 84.5  
63 47.4 36.2 54.4



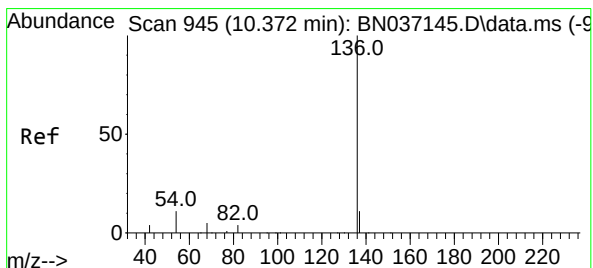
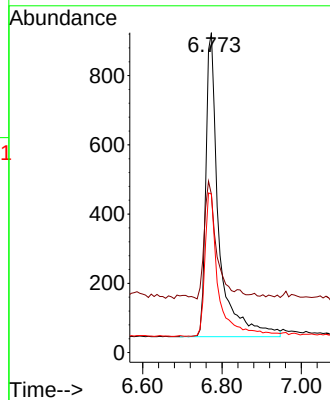
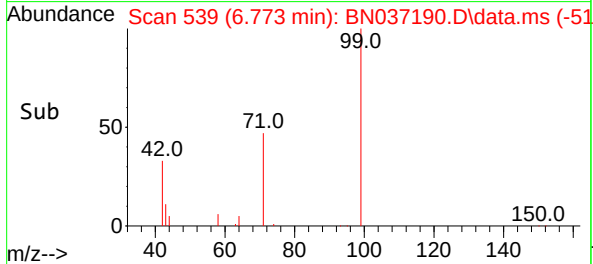


#5  
Phenol-d6  
Concen: 0.366 ng  
RT: 6.773 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

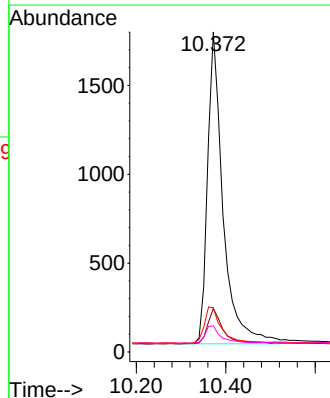
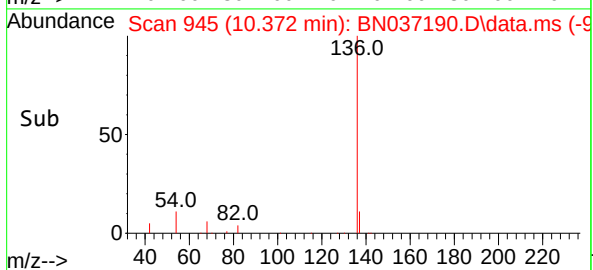
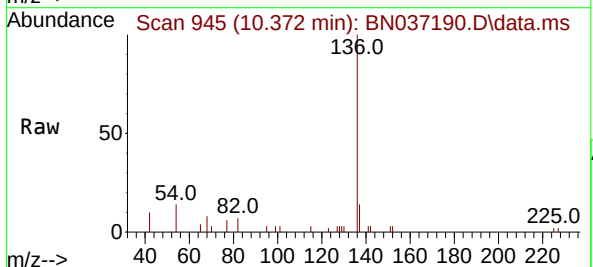


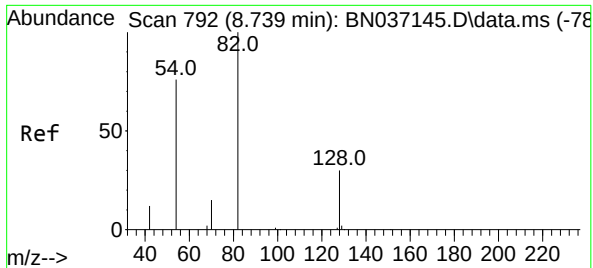
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 34.5  | 31.3  | 46.9  |
| 71      | 48.8  | 38.2  | 57.2  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.372 min Scan# 945  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 13.6  | 9.7   | 14.5  |
| 54      | 13.8  | 9.7   | 14.5  |
| 68      | 8.2   | 5.4   | 8.2   |

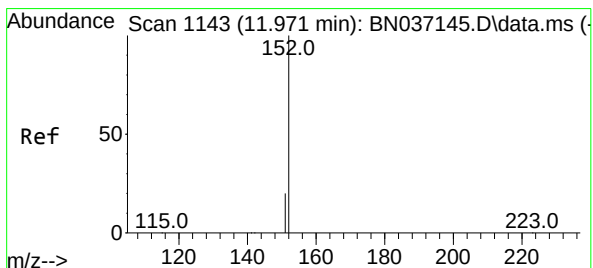
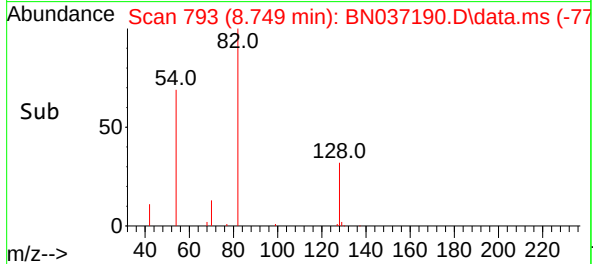
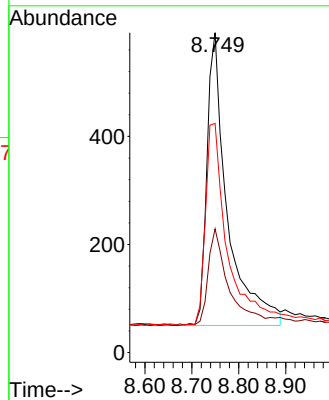
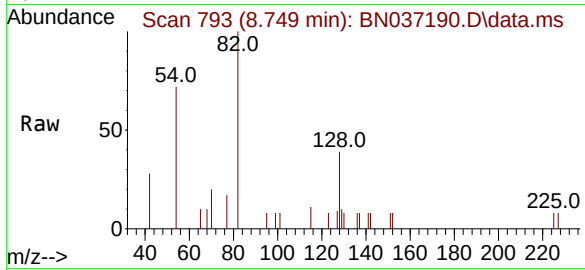




#8  
Nitrobenzene-d5  
Concen: 0.369 ng  
RT: 8.749 min Scan# 792  
Delta R.T. 0.011 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

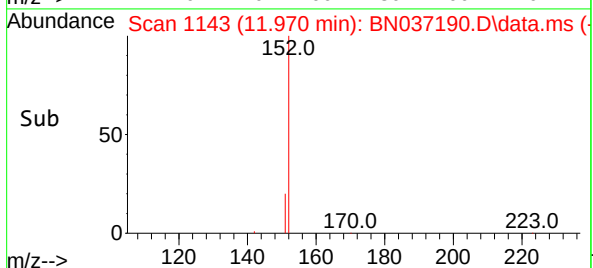
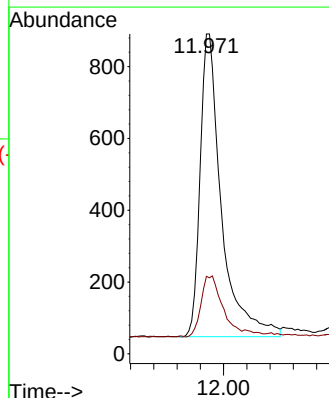
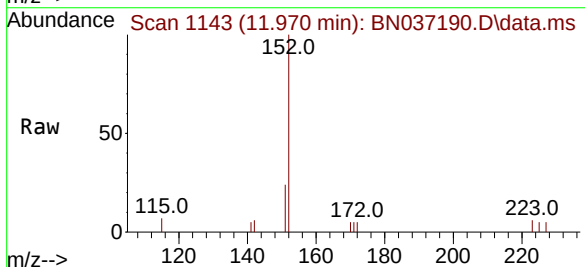
Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

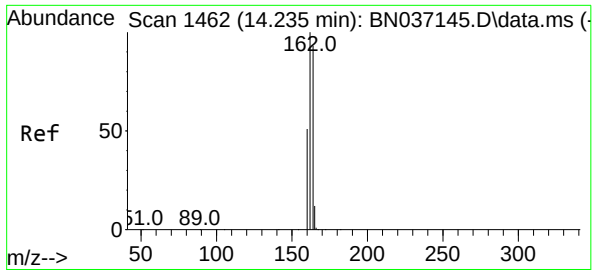
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1646  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 38.7  | 26.9  | 40.3  |
| 54       | 71.6  | 61.4  | 92.2  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.364 ng  
RT: 11.970 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

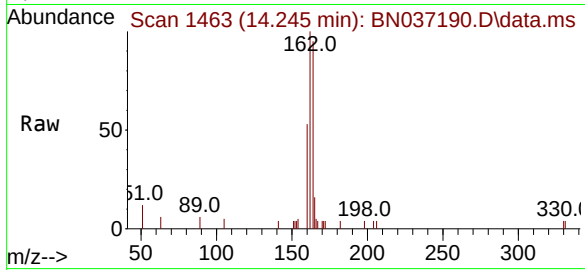
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 2143  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.8  | 17.1  | 25.7  |



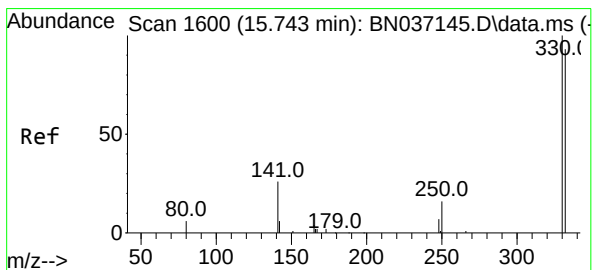
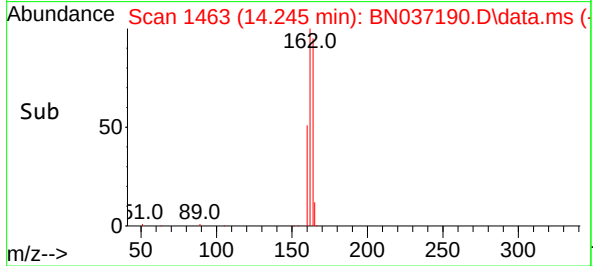
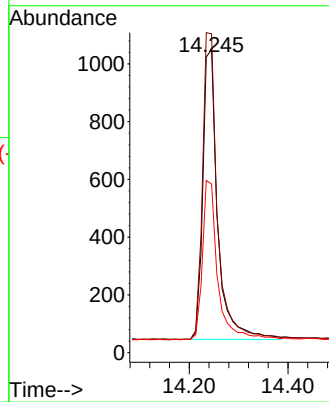


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.245 min Scan# 1463  
Delta R.T. 0.011 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

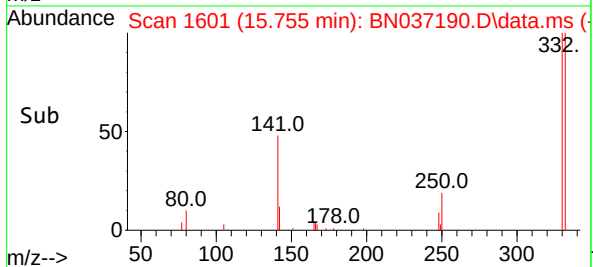
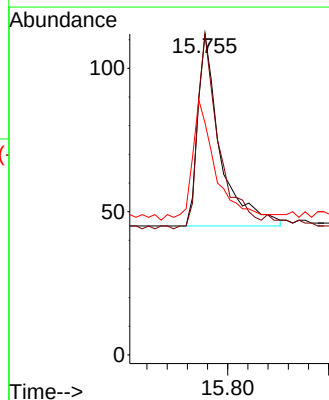
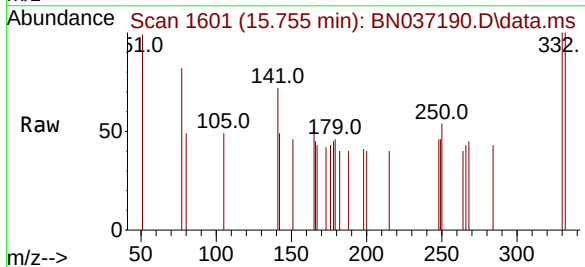


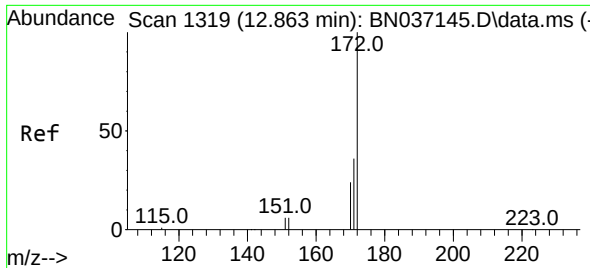
Tgt Ion:164 Resp: 2101  
Ion Ratio Lower Upper  
164 100  
162 105.1 85.5 128.3  
160 55.6 44.6 67.0



#14  
2,4,6-Tribromophenol  
Concen: 0.245 ng  
RT: 15.755 min Scan# 1601  
Delta R.T. 0.012 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

Tgt Ion:330 Resp: 207  
Ion Ratio Lower Upper  
330 100  
332 98.1 77.1 115.7  
141 66.7 46.4 69.6

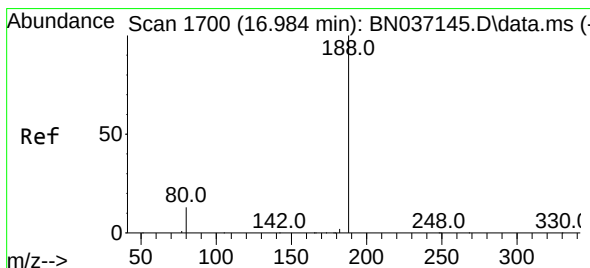
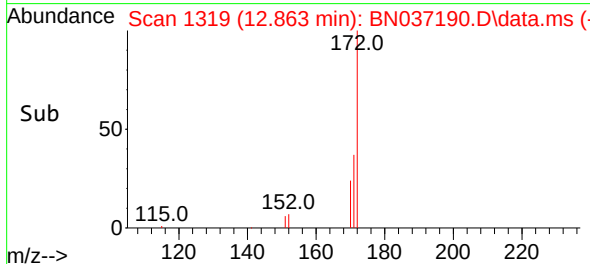
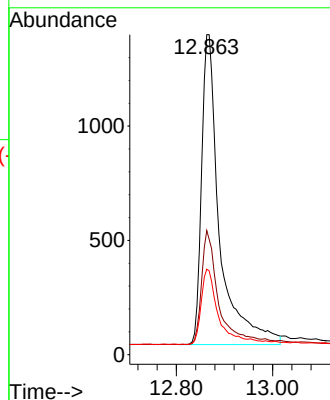
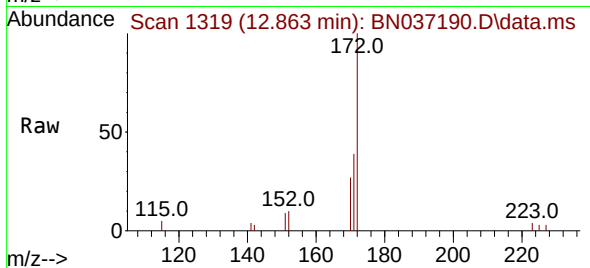




#15  
2-Fluorobiphenyl  
Concen: 0.404 ng  
RT: 12.863 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

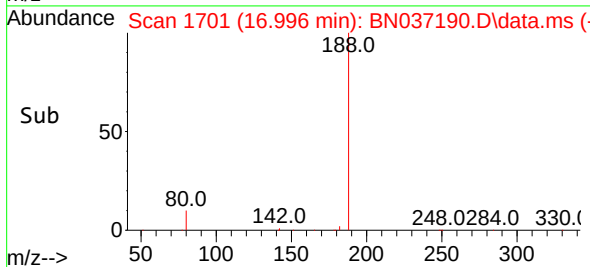
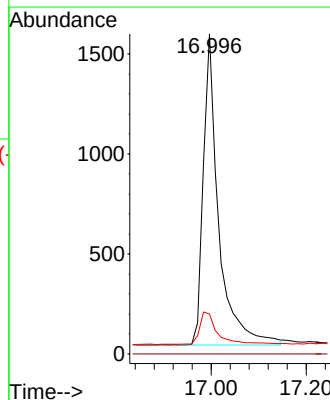
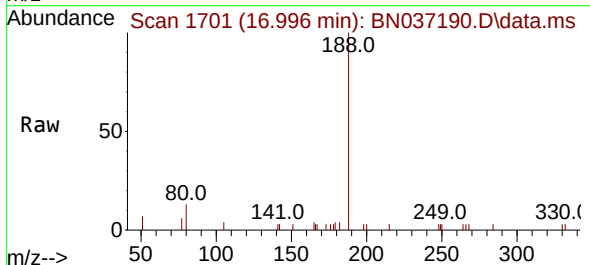
Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

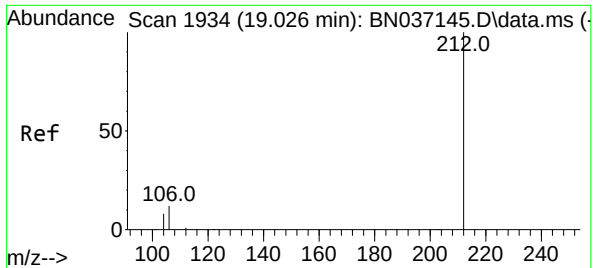
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 3619 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 38.8  | 29.6  | 44.4 |
| 170       | 26.7  | 20.3  | 30.5 |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 16.996 min Scan# 1701  
Delta R.T. 0.012 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 188   | Resp: | 3500 |
| Ion Ratio | Lower | Upper |      |
| 188       | 100   |       |      |
| 94        | 0.0   | 0.0   | 0.0  |
| 80        | 12.5  | 11.3  | 16.9 |

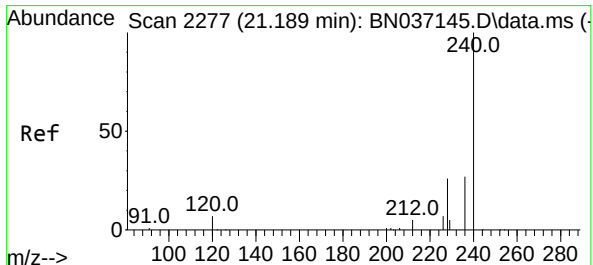
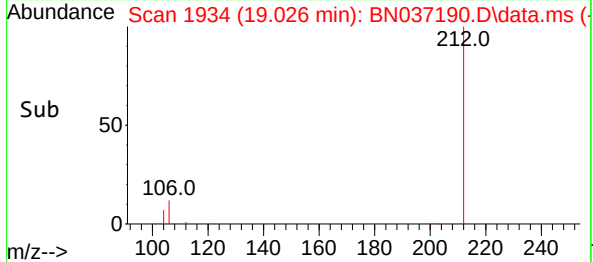
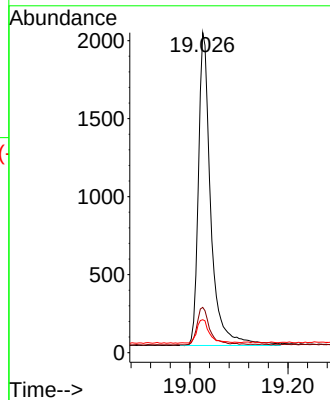
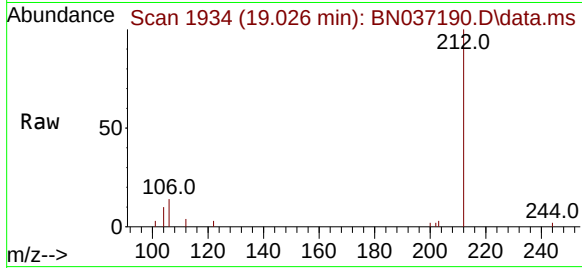




#27  
Fluoranthene-d10  
Concen: 0.395 ng  
RT: 19.026 min Scan# 1934  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

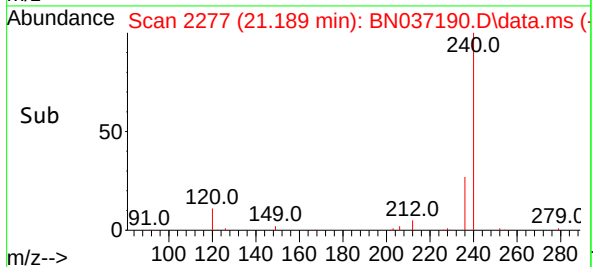
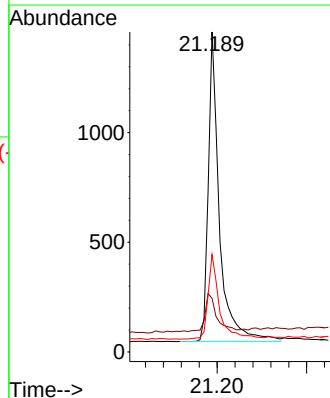
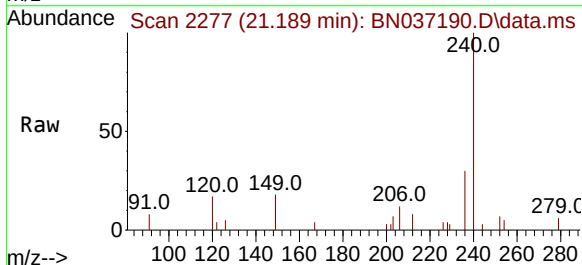
Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

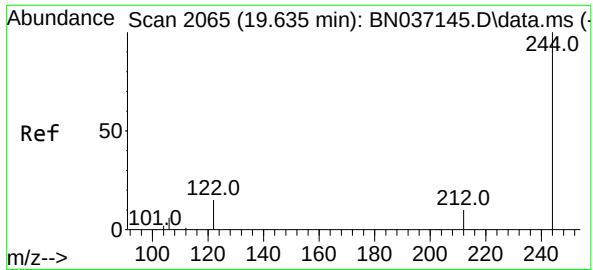
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 12.0  | 10.6  | 15.8  |
| 104     | 7.4   | 6.6   | 9.8   |



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.189 min Scan# 2277  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

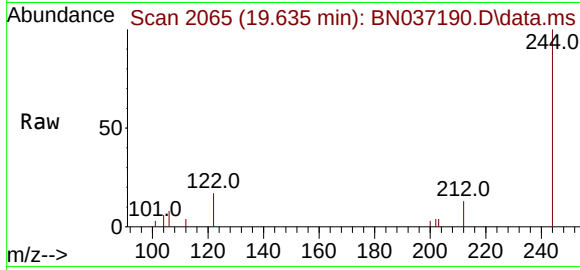
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.8  | 9.0   | 13.4  |
| 236     | 30.4  | 23.0  | 34.4  |



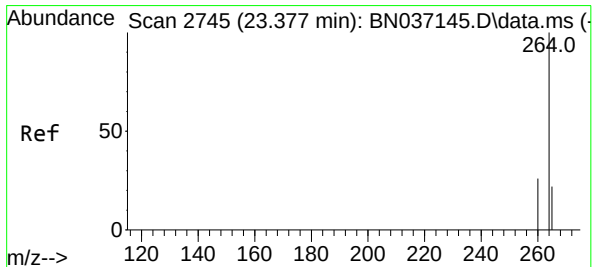
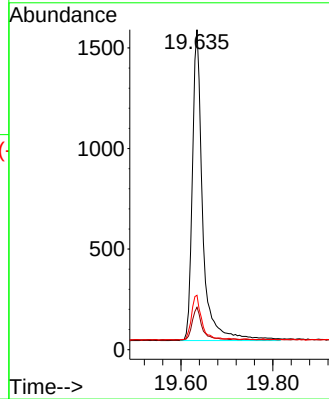
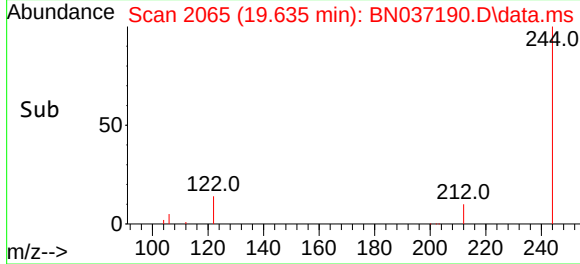


#31  
Terphenyl-d14  
Concen: 0.420 ng  
RT: 19.635 min Scan# 2065  
Delta R.T. -0.000 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BL

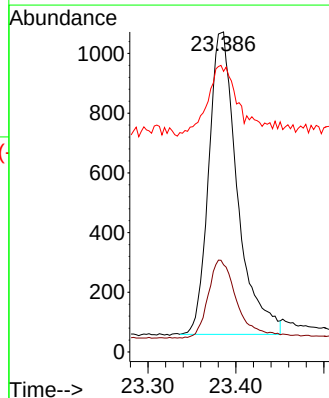
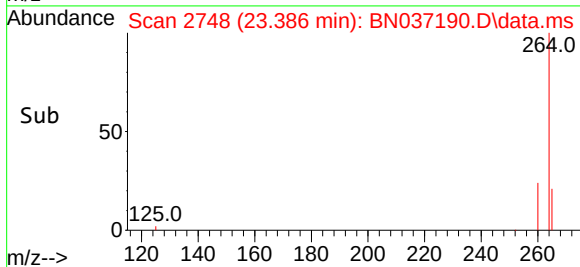
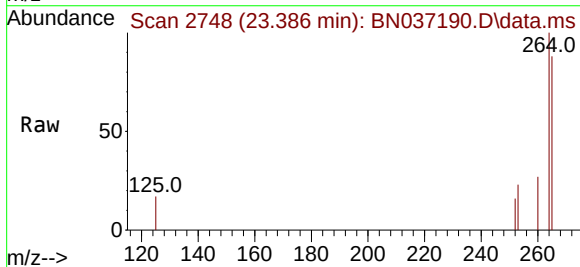


Tgt Ion:244 Resp: 2421  
Ion Ratio Lower Upper  
244 100  
212 13.3 10.0 15.0  
122 17.0 13.2 19.8



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.386 min Scan# 2748  
Delta R.T. 0.009 min  
Lab File: BN037190.D  
Acq: 09 Jun 2025 11:30

Tgt Ion:264 Resp: 2291  
Ion Ratio Lower Upper  
264 100  
260 27.2 22.1 33.1  
265 87.7 55.8 83.8#



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Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
 Data File : BN037201.D  
 Acq On : 09 Jun 2025 20:40  
 Operator : RC/JU  
 Sample : PB168336BS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB168336BS

Quant Time: Jun 10 04:03:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 04 01:52:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.589  | 152  | 2227     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.361 | 136  | 5466     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.234 | 164  | 2607     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.984 | 188  | 4253     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.188 | 240  | 2468     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.377 | 264  | 2373     | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.191  | 112  | 2001     | 0.363 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.766  | 99   | 2345     | 0.351 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.738  | 82   | 2065     | 0.358 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.965 | 152  | 2755     | 0.362 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.742 | 330  | 307      | 0.292 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 12.858 | 172  | 4234     | 0.381 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.026 | 212  | 3278     | 0.303 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.634 | 244  | 2215     | 0.381 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.119  | 88   | 1196     | 0.403 | ng    | # 44     |
| 3) n-Nitrosodimethylamine     | 3.429  | 42   | 2277     | 0.382 | ng    | # 91     |
| 6) bis(2-Chloroethyl)ether    | 7.019  | 93   | 2167     | 0.340 | ng    | 95       |
| 9) Naphthalene                | 10.415 | 128  | 5395     | 0.342 | ng    | 100      |
| 10) Hexachlorobutadiene       | 10.703 | 225  | 1252     | 0.364 | ng    | # 97     |
| 12) 2-Methylnaphthalene       | 12.041 | 142  | 3113     | 0.308 | ng    | 99       |
| 16) Acenaphthylene            | 13.956 | 152  | 4871     | 0.381 | ng    | 100      |
| 17) Acenaphthene              | 14.298 | 154  | 2908     | 0.350 | ng    | 100      |
| 18) Fluorene                  | 15.293 | 166  | 3677     | 0.337 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.389 | 198  | 337      | 0.545 | ng    | # 68     |
| 21) 4-Bromophenyl-phenylether | 16.189 | 248  | 1073     | 0.385 | ng    | 91       |
| 22) Hexachlorobenzene         | 16.301 | 284  | 1184     | 0.394 | ng    | 98       |
| 23) Atrazine                  | 16.462 | 200  | 810      | 0.352 | ng    | 98       |
| 24) Pentachlorophenol         | 16.648 | 266  | 393      | 0.433 | ng    | 98       |
| 25) Phenanthrene              | 17.033 | 178  | 4954     | 0.360 | ng    | 100      |
| 26) Anthracene                | 17.120 | 178  | 4498     | 0.358 | ng    | 98       |
| 28) Fluoranthene              | 19.054 | 202  | 4519     | 0.297 | ng    | 100      |
| 30) Pyrene                    | 19.416 | 202  | 4443     | 0.369 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.170 | 228  | 3255     | 0.364 | ng    | 98       |
| 33) Chrysene                  | 21.224 | 228  | 3659     | 0.368 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.108 | 149  | 1974     | 0.350 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.573 | 276  | 4127     | 0.437 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 22.722 | 252  | 3317     | 0.346 | ng    | 92       |
| 38) Benzo(k)fluoranthene      | 22.766 | 252  | 3519     | 0.360 | ng    | 94       |
| 39) Benzo(a)pyrene            | 23.283 | 252  | 3154     | 0.393 | ng    | 94       |
| 40) Dibenzo(a,h)anthracene    | 25.590 | 278  | 3219     | 0.442 | ng    | 96       |
| 41) Benzo(g,h,i)perylene      | 26.248 | 276  | 3529     | 0.422 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

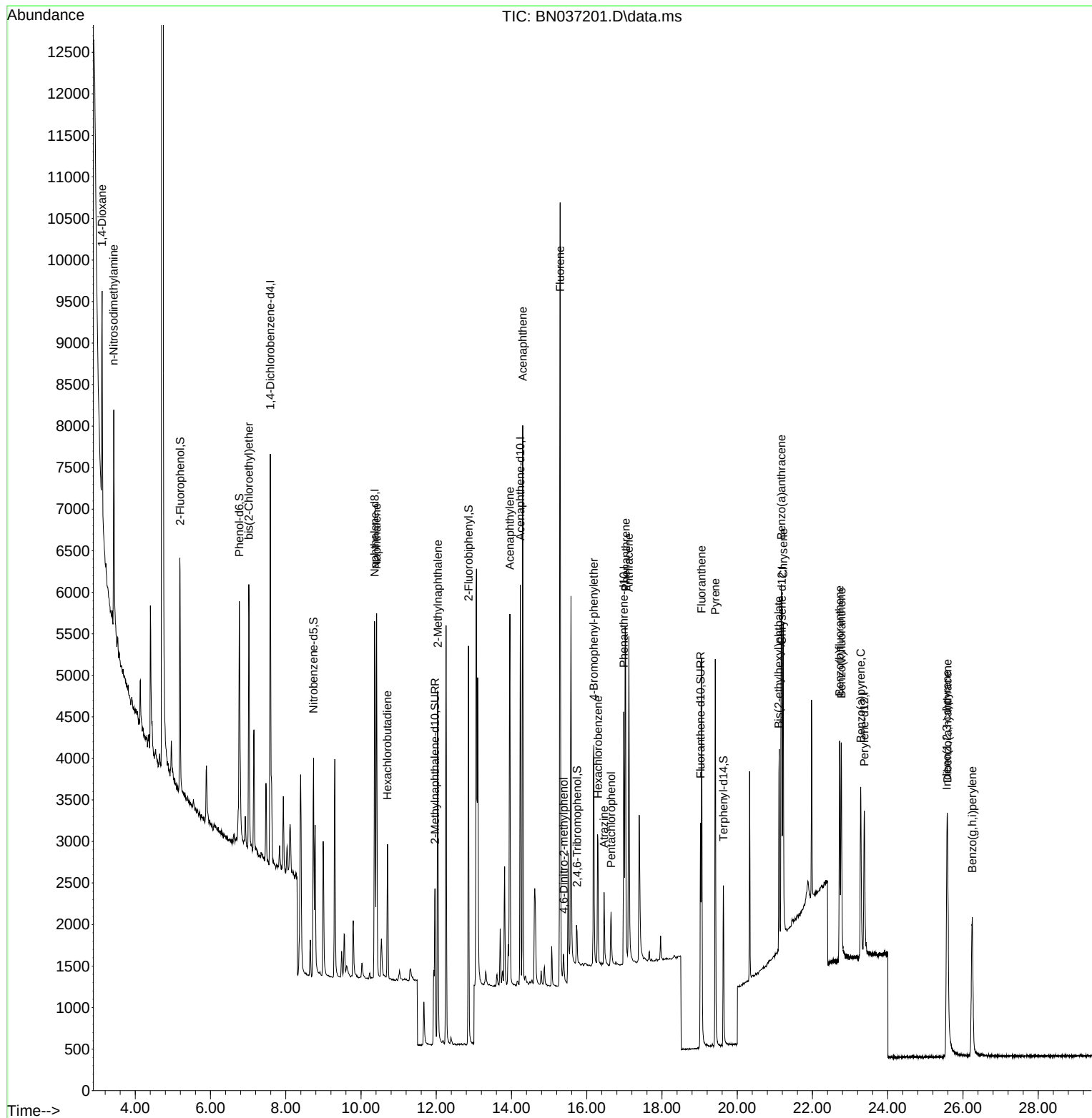
(#) = qualifier out of range (m) = manual integration (+) = signals summed



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037201.D  
Acq On : 09 Jun 2025 20:40  
Operator : RC/JU  
Sample : PB168336BS  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB168336BS

Quant Time: Jun 10 04:03:40 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration



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Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
 Data File : BN037192.D  
 Acq On : 09 Jun 2025 14:33  
 Operator : RC/JU  
 Sample : Q2250-02MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MS

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 06/10/2025  
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 15:40:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 04 01:52:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.589  | 152  | 2144     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.361 | 136  | 5670     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.234 | 164  | 2991     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.984 | 188  | 5389     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.188 | 240  | 3448     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.380 | 264  | 3177     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.184  | 112  | 842      | 0.159 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.766  | 99   | 649      | 0.101 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.739  | 82   | 1888     | 0.316 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.965 | 152  | 2380m    | 0.302 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.730 | 330  | 466      | 0.387 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.858 | 172  | 4371     | 0.343 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.026 | 212  | 5042     | 0.368 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.630 | 244  | 3837     | 0.473 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.111  | 88   | 8692     | 3.041 | ng    | 94       |
| 3) n-Nitrosodimethylamine     | 3.429  | 42   | 693      | 0.121 | ng    | # 80     |
| 6) bis(2-Chloroethyl)ether    | 7.019  | 93   | 2028     | 0.331 | ng    | 96       |
| 9) Naphthalene                | 10.415 | 128  | 5151     | 0.315 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.703 | 225  | 918      | 0.258 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.036 | 142  | 3206     | 0.306 | ng    | 98       |
| 16) Acenaphthylene            | 13.956 | 152  | 5430     | 0.370 | ng    | 100      |
| 17) Acenaphthene              | 14.299 | 154  | 3253     | 0.342 | ng    | 99       |
| 18) Fluorene                  | 15.293 | 166  | 4617     | 0.369 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.378 | 198  | 513      | 0.599 | ng    | # 58     |
| 21) 4-Bromophenyl-phenylether | 16.189 | 248  | 1414     | 0.400 | ng    | # 83     |
| 22) Hexachlorobenzene         | 16.301 | 284  | 1382     | 0.363 | ng    | 99       |
| 23) Atrazine                  | 16.462 | 200  | 1269     | 0.435 | ng    | # 91     |
| 24) Pentachlorophenol         | 16.636 | 266  | 1565     | 0.901 | ng    | 98       |
| 25) Phenanthrene              | 17.021 | 178  | 7297     | 0.418 | ng    | 99       |
| 26) Anthracene                | 17.120 | 178  | 6246     | 0.392 | ng    | 98       |
| 28) Fluoranthene              | 19.054 | 202  | 7085     | 0.367 | ng    | # 97     |
| 30) Pyrene                    | 19.416 | 202  | 7143     | 0.424 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.171 | 228  | 5416     | 0.434 | ng    | 99       |
| 33) Chrysene                  | 21.224 | 228  | 5649     | 0.407 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.117 | 149  | 3531     | 0.448 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 25.576 | 276  | 5130     | 0.406 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.725 | 252  | 4923m    | 0.384 | ng    |          |
| 38) Benzo(k)fluoranthene      | 22.766 | 252  | 4787     | 0.366 | ng    | 94       |
| 39) Benzo(a)pyrene            | 23.284 | 252  | 4119     | 0.383 | ng    | 93       |
| 40) Dibenzo(a,h)anthracene    | 25.590 | 278  | 4003     | 0.411 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.245 | 276  | 4218     | 0.377 | ng    | 99       |

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

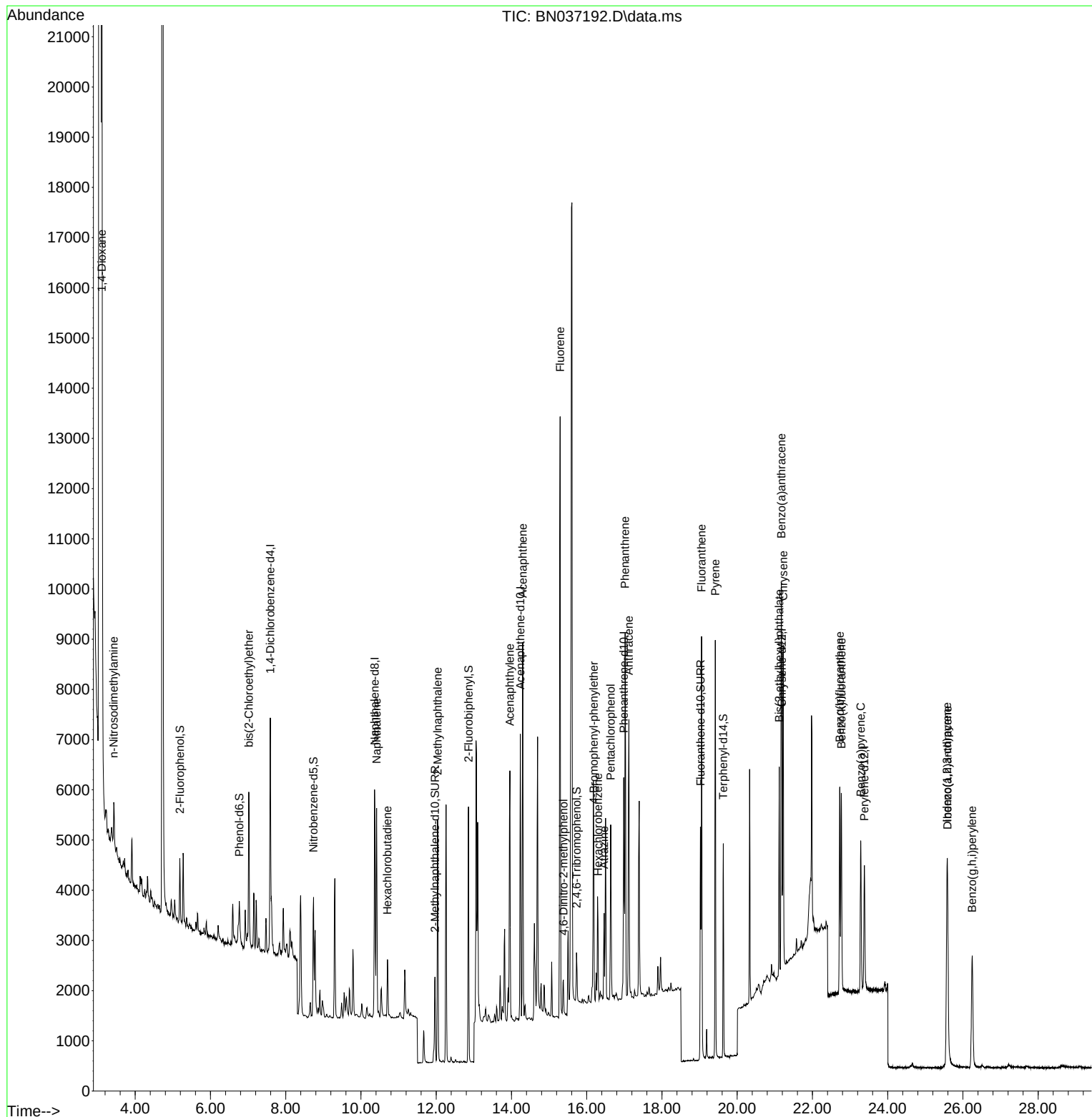
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
 Data File : BN037192.D  
 Acq On : 09 Jun 2025 14:33  
 Operator : RC/JU  
 Sample : Q2250-02MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MS

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 06/10/2025  
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 15:40:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 04 01:52:03 2025  
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
 Data File : BN037193.D  
 Acq On : 09 Jun 2025 15:47  
 Operator : RC/JU  
 Sample : Q2250-03MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW-11A-13.5-060525MSD

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 06/10/2025  
 Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 16:53:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 04 01:52:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.590  | 152  | 2169     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.362 | 136  | 5646     | 0.400 | ng    | #-0.01   |
| 13) Acenaphthene-d10          | 14.235 | 164  | 2926     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 16.984 | 188  | 5139     | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.180 | 240  | 3419     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.374 | 264  | 3336     | 0.400 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.185  | 112  | 842      | 0.157 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.773  | 99   | 692      | 0.106 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.739  | 82   | 1894     | 0.318 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 11.966 | 152  | 2373m    | 0.302 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.730 | 330  | 451      | 0.383 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 12.858 | 172  | 4311     | 0.346 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.022 | 212  | 4775     | 0.366 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.630 | 244  | 3637     | 0.452 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
| 2) 1,4-Dioxane                | 3.112  | 88   | 9354     | 3.235 | ng    | 95       |
| 3) n-Nitrosodimethylamine     | 3.430  | 42   | 740      | 0.127 | ng    | # 83     |
| 6) bis(2-Chloroethyl)ether    | 7.019  | 93   | 2082     | 0.336 | ng    | 97       |
| 9) Naphthalene                | 10.415 | 128  | 5110     | 0.314 | ng    | 98       |
| 10) Hexachlorobutadiene       | 10.703 | 225  | 906      | 0.255 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 12.037 | 142  | 3210     | 0.307 | ng    | 98       |
| 16) Acenaphthylene            | 13.957 | 152  | 5333     | 0.372 | ng    | 100      |
| 17) Acenaphthene              | 14.299 | 154  | 3131     | 0.336 | ng    | 99       |
| 18) Fluorene                  | 15.293 | 166  | 4472     | 0.365 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.379 | 198  | 471      | 0.587 | ng    | # 63     |
| 21) 4-Bromophenyl-phenylether | 16.190 | 248  | 1330     | 0.395 | ng    | # 79     |
| 22) Hexachlorobenzene         | 16.301 | 284  | 1342     | 0.369 | ng    | 98       |
| 23) Atrazine                  | 16.463 | 200  | 1184     | 0.426 | ng    | # 93     |
| 24) Pentachlorophenol         | 16.636 | 266  | 1464     | 0.888 | ng    | 98       |
| 25) Phenanthrene              | 17.021 | 178  | 6930     | 0.416 | ng    | 99       |
| 26) Anthracene                | 17.120 | 178  | 5874     | 0.387 | ng    | 98       |
| 28) Fluoranthene              | 19.054 | 202  | 6813     | 0.370 | ng    | # 97     |
| 30) Pyrene                    | 19.417 | 202  | 6824     | 0.409 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.171 | 228  | 5337     | 0.431 | ng    | 100      |
| 33) Chrysene                  | 21.216 | 228  | 5681     | 0.412 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.108 | 149  | 3448     | 0.442 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 25.573 | 276  | 5422     | 0.409 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 22.720 | 252  | 5075m    | 0.377 | ng    |          |
| 38) Benzo(k)fluoranthene      | 22.761 | 252  | 5262     | 0.383 | ng    | 95       |
| 39) Benzo(a)pyrene            | 23.281 | 252  | 4286     | 0.380 | ng    | # 88     |
| 40) Dibenzo(a,h)anthracene    | 25.585 | 278  | 4235     | 0.414 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.240 | 276  | 4499     | 0.383 | ng    | 97       |

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

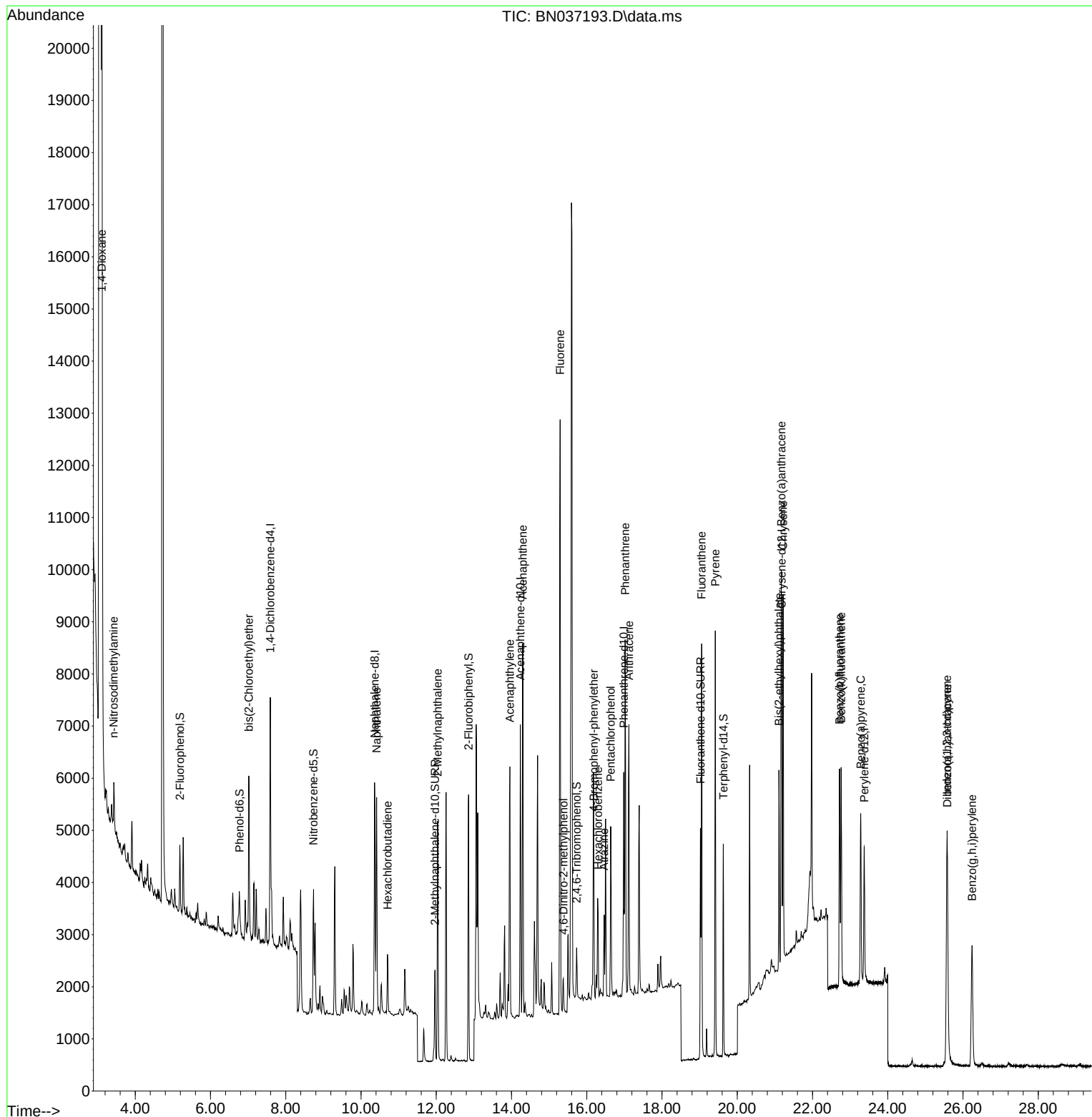
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN060925\  
Data File : BN037193.D  
Acq On : 09 Jun 2025 15:47  
Operator : RC/JU  
Sample : Q2250-03MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW-11A-13.5-060525MSD

Manual Integrations  
APPROVED

Reviewed By :Rahul Chavli 06/10/2025  
Supervised By :Jagrut Upadhyay 06/10/2025

Quant Time: Jun 09 16:53:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN060325.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jun 04 01:52:03 2025  
Response via : Initial Calibration





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

## Manual Integration Report

Sequence:

BN060325

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN060925 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter               | Review By | Review On             | Supervised By | Supervised On        | Reason                      |
|-------------|------------|-------------------------|-----------|-----------------------|---------------|----------------------|-----------------------------|
| Q2250-02MS  | BN037192.D | 2-Methylnaphthalene-d10 | Rahul     | 6/10/2025 11:44:39 AM | Jagrut        | 6/10/2025 1:37:49 PM | Peak Integrated by Software |
| Q2250-02MS  | BN037192.D | Benzo(b)fluoranthene    | Rahul     | 6/10/2025 11:44:39 AM | Jagrut        | 6/10/2025 1:37:49 PM | Peak Integrated by Software |
| Q2250-03MSD | BN037193.D | 2-Methylnaphthalene-d10 | Rahul     | 6/10/2025 11:44:42 AM | Jagrut        | 6/10/2025 1:37:52 PM | Peak Integrated by Software |
| Q2250-03MSD | BN037193.D | Benzo(b)fluoranthene    | Rahul     | 6/10/2025 11:44:42 AM | Jagrut        | 6/10/2025 1:37:52 PM | Peak Integrated by Software |

Instrument ID: BNA\_N

## Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 6/4/2025 11:44:25 AM                          |
| Supervise By             | Jagrut                                           | Supervise On      | 6/5/2025 10:56:16 AM                          |
| SubDirectory             | BN060325                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn060325 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                               |
| CCC                      | SP6779                                           |                   |                                               |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6768                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN037142.D     | 03 Jun 2025 10:21 | RC/JU    | Ok       |
| 2   | SSTDIC0.1  | BN037143.D     | 03 Jun 2025 11:39 | RC/JU    | Ok       |
| 3   | SSTDIC0.2  | BN037144.D     | 03 Jun 2025 12:15 | RC/JU    | Ok       |
| 4   | SSTDIC0.4  | BN037145.D     | 03 Jun 2025 12:51 | RC/JU    | Ok       |
| 5   | SSTDIC0.8  | BN037146.D     | 03 Jun 2025 13:26 | RC/JU    | Ok       |
| 6   | SSTDIC1.6  | BN037147.D     | 03 Jun 2025 14:02 | RC/JU    | Ok       |
| 7   | SSTDIC3.2  | BN037148.D     | 03 Jun 2025 14:38 | RC/JU    | Ok       |
| 8   | SSTDIC5.0  | BN037149.D     | 03 Jun 2025 15:14 | RC/JU    | Ok       |
| 9   | SSTDICV0.4 | BN037150.D     | 03 Jun 2025 15:53 | RC/JU    | Ok       |
| 10  | PB168238BL | BN037151.D     | 03 Jun 2025 17:05 | RC/JU    | Not Ok   |
| 11  | Q2181-01   | BN037152.D     | 03 Jun 2025 17:41 | RC/JU    | Dilution |
| 12  | Q2181-01DL | BN037153.D     | 03 Jun 2025 18:18 | RC/JU    | Ok       |
| 13  | SSTDIC0.4  | BN037154.D     | 03 Jun 2025 18:54 | RC/JU    | Ok       |
| 14  | DFTPP      | BN037155.D     | 03 Jun 2025 20:10 | RC/JU    | Ok       |
| 15  | SSTDIC0.4  | BN037156.D     | 03 Jun 2025 20:49 | RC/JU    | Ok       |
| 16  | PB168238BL | BN037157.D     | 03 Jun 2025 21:25 | RC/JU    | Not Ok   |
| 17  | Q2162-03   | BN037158.D     | 03 Jun 2025 22:01 | RC/JU    | Ok       |
| 18  | Q2162-07   | BN037159.D     | 03 Jun 2025 22:37 | RC/JU    | Ok       |
| 19  | Q2162-09   | BN037160.D     | 03 Jun 2025 23:13 | RC/JU    | Ok       |
| 20  | Q2162-10   | BN037161.D     | 03 Jun 2025 23:49 | RC/JU    | Ok       |
| 21  | PB168238BS | BN037162.D     | 04 Jun 2025 00:25 | RC/JU    | Not Ok   |



Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN060325**

| Review By                | Rahul                                            | Review On         | 6/4/2025 11:44:25 AM                          |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 6/5/2025 10:56:16 AM                          |
| SubDirectory             | BN060325                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn060325 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                               |
| CCC                      | SP6779                                           |                   |                                               |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6768                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |        |
|----|-------------|------------|-------------------|-------|--------|
| 22 | PB168238BSD | BN037163.D | 04 Jun 2025 01:01 | RC/JU | Not Ok |
| 23 | SSTDCCC0.4  | BN037164.D | 04 Jun 2025 02:13 | RC/JU | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

## Daily Analysis Runlog For Sequence/QC Batch ID # BN060925

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 6/10/2025 11:45:37 AM                         |
| Supervise By             | Jagrut                                           | Supervise On      | 6/10/2025 1:38:10 PM                          |
| SubDirectory             | BN060925                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn060325 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                               |
| CCC                      | SP6779                                           |                   |                                               |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6768                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BN037188.D     | 09 Jun 2025 10:15 | RC/JU    | Ok     |
| 2   | SSTDCCC0.4  | BN037189.D     | 09 Jun 2025 10:54 | RC/JU    | Ok     |
| 3   | PB168336BL  | BN037190.D     | 09 Jun 2025 11:30 | RC/JU    | Ok     |
| 4   | Q2250-01    | BN037191.D     | 09 Jun 2025 12:06 | RC/JU    | Ok     |
| 5   | Q2250-02MS  | BN037192.D     | 09 Jun 2025 14:33 | RC/JU    | Ok,M   |
| 6   | Q2250-03MSD | BN037193.D     | 09 Jun 2025 15:47 | RC/JU    | Ok,M   |
| 7   | Q2251-03    | BN037194.D     | 09 Jun 2025 16:26 | RC/JU    | Ok     |
| 8   | Q2251-05    | BN037195.D     | 09 Jun 2025 17:02 | RC/JU    | Ok     |
| 9   | Q2251-06    | BN037196.D     | 09 Jun 2025 17:39 | RC/JU    | Ok     |
| 10  | Q2253-01    | BN037197.D     | 09 Jun 2025 18:15 | RC/JU    | Ok     |
| 11  | Q2253-02    | BN037198.D     | 09 Jun 2025 18:51 | RC/JU    | Ok     |
| 12  | Q2250-05    | BN037199.D     | 09 Jun 2025 19:27 | RC/JU    | Ok     |
| 13  | Q2254-01    | BN037200.D     | 09 Jun 2025 20:04 | RC/JU    | Ok     |
| 14  | PB168336BS  | BN037201.D     | 09 Jun 2025 20:40 | RC/JU    | Ok     |
| 15  | SSTDCCC0.4  | BN037202.D     | 09 Jun 2025 21:16 | RC/JU    | Ok     |
| 16  | DFTPP       | BN037203.D     | 09 Jun 2025 22:32 | RC/JU    | Ok     |
| 17  | SSTDCCC0.4  | BN037204.D     | 09 Jun 2025 23:11 | RC/JU    | Ok     |
| 18  | PB168336BL  | BN037205.D     | 09 Jun 2025 23:48 | RC/JU    | Not Ok |
| 19  | Q2234-01    | BN037206.D     | 10 Jun 2025 00:24 | RC/JU    | Ok     |
| 20  | Q2234-05    | BN037207.D     | 10 Jun 2025 01:00 | RC/JU    | Ok     |
| 21  | Q2234-06    | BN037208.D     | 10 Jun 2025 01:36 | RC/JU    | Ok     |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN060925**

| Review By                | Rahul                                            | Review On         | 6/10/2025 11:45:37 AM                         |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 6/10/2025 1:38:10 PM                          |
| SubDirectory             | BN060925                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn060325 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                               |
| CCC                      | SP6779                                           |                   |                                               |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6768                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |            |            |                   |       |          |
|----|------------|------------|-------------------|-------|----------|
| 22 | Q2234-07   | BN037209.D | 10 Jun 2025 02:12 | RC/JU | Dilution |
| 23 | Q2250-04   | BN037210.D | 10 Jun 2025 02:49 | RC/JU | Ok       |
| 24 | Q2209-01   | BN037211.D | 10 Jun 2025 03:25 | RC/JU | Ok       |
| 25 | Q2210-01   | BN037212.D | 10 Jun 2025 04:01 | RC/JU | Ok       |
| 26 | Q2234-07DL | BN037213.D | 10 Jun 2025 09:49 | RC/JU | Ok       |
| 27 | SSTDCCC0.4 | BN037214.D | 10 Jun 2025 10:25 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

## Daily Analysis Runlog For Sequence/QC Batch ID # BN060325

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Rahul    | Review On         | 6/4/2025 11:44:25 AM                      |
| Supervise By | Jagrut   | Supervise On      | 6/5/2025 10:56:16 AM                      |
| SubDirectory | BN060325 | HP Acquire Method | BNA_N, 8270_HP Processing Method bn060325 |

| STD. NAME                | STD REF.#                                        |
|--------------------------|--------------------------------------------------|
| Tune/Reschk              | SP6757                                           |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |
| CCC                      | SP6779                                           |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |
| ICV/I.BLK                | SP6768                                           |
| Surrogate Standard       |                                                  |
| MS/MSD Standard          |                                                  |
| LCS Standard             |                                                  |

| Sr# | SampleID    | ClientID            | Data File Name | Date-Time         | Comment                              | Operator | Status   |
|-----|-------------|---------------------|----------------|-------------------|--------------------------------------|----------|----------|
| 1   | DFTPP       | DFTPP               | BN037142.D     | 03 Jun 2025 10:21 |                                      | RC/JU    | Ok       |
| 2   | SSTDICC0.1  | SSTDICC0.1          | BN037143.D     | 03 Jun 2025 11:39 | Compound #20,24 removed from 0.1 PPM | RC/JU    | Ok       |
| 3   | SSTDICC0.2  | SSTDICC0.2          | BN037144.D     | 03 Jun 2025 12:15 |                                      | RC/JU    | Ok       |
| 4   | SSTDICCC0.4 | SSTDICCC0.4         | BN037145.D     | 03 Jun 2025 12:51 | Compound #20,24 kept on LR.          | RC/JU    | Ok       |
| 5   | SSTDICC0.8  | SSTDICC0.8          | BN037146.D     | 03 Jun 2025 13:26 |                                      | RC/JU    | Ok       |
| 6   | SSTDICC1.6  | SSTDICC1.6          | BN037147.D     | 03 Jun 2025 14:02 |                                      | RC/JU    | Ok       |
| 7   | SSTDICC3.2  | SSTDICC3.2          | BN037148.D     | 03 Jun 2025 14:38 | Method is good for DOD and NONDOD.   | RC/JU    | Ok       |
| 8   | SSTDICC5.0  | SSTDICC5.0          | BN037149.D     | 03 Jun 2025 15:14 |                                      | RC/JU    | Ok       |
| 9   | SSTDICV0.4  | ICVBN060325         | BN037150.D     | 03 Jun 2025 15:53 |                                      | RC/JU    | Ok       |
| 10  | PB168238BL  | PB168238BL          | BN037151.D     | 03 Jun 2025 17:05 | Not Used                             | RC/JU    | Not Ok   |
| 11  | Q2181-01    | 38072-062624        | BN037152.D     | 03 Jun 2025 17:41 | Need 50X Dilution                    | RC/JU    | Dilution |
| 12  | Q2181-01DL  | 38072-062624DL      | BN037153.D     | 03 Jun 2025 18:18 |                                      | RC/JU    | Ok       |
| 13  | SSTDCCC0.4  | SSTDCCC0.4EC        | BN037154.D     | 03 Jun 2025 18:54 |                                      | RC/JU    | Ok       |
| 14  | DFTPP       | DFTPP               | BN037155.D     | 03 Jun 2025 20:10 |                                      | RC/JU    | Ok       |
| 15  | SSTDCCC0.4  | SSTDCCC0.4          | BN037156.D     | 03 Jun 2025 20:49 |                                      | RC/JU    | Ok       |
| 16  | PB168238BL  | PB168238BL          | BN037157.D     | 03 Jun 2025 21:25 | Not Used                             | RC/JU    | Not Ok   |
| 17  | Q2162-03    | BP-VPB-182-GW-580-5 | BN037158.D     | 03 Jun 2025 22:01 |                                      | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN060325**

| Review By                | Rahul                                            | Review On         | 6/4/2025 11:44:25 AM                      |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 6/5/2025 10:56:16 AM                      |
| SubDirectory             | BN060325                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn060325 |
| STD. NAME                | STD REF.#                                        |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                           |
| CCC                      | SP6779                                           |                   |                                           |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6768                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

|    |             |                     |            |                   |                                             |       |        |
|----|-------------|---------------------|------------|-------------------|---------------------------------------------|-------|--------|
| 18 | Q2162-07    | BP-VPB-182-GW-620-6 | BN037159.D | 03 Jun 2025 22:37 |                                             | RC/JU | Ok     |
| 19 | Q2162-09    | BP-VPB-182-DUP-2025 | BN037160.D | 03 Jun 2025 23:13 |                                             | RC/JU | Ok     |
| 20 | Q2162-10    | BP-VPB-182-EB-20250 | BN037161.D | 03 Jun 2025 23:49 |                                             | RC/JU | Ok     |
| 21 | PB168238BS  | PB168238BS          | BN037162.D | 04 Jun 2025 00:25 | Recovery Fail for 1,4 Dioxane from low side | RC/JU | Not Ok |
| 22 | PB168238BSD | PB168238BSD         | BN037163.D | 04 Jun 2025 01:01 | Recovery Fail for 1,4 Dioxane from low side | RC/JU | Not Ok |
| 23 | SSTDCCC0.4  | SSTDCCC0.4EC        | BN037164.D | 04 Jun 2025 02:13 |                                             | RC/JU | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN060925**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Rahul                                            | Review On         | 6/10/2025 11:45:37 AM                     |
| Supervise By             | Jagrut                                           | Supervise On      | 6/10/2025 1:38:10 PM                      |
| SubDirectory             | BN060925                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn060325 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                           |
| CCC                      | SP6779                                           |                   |                                           |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6768                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

| Sr# | SampleId    | ClientID            | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|---------------------|----------------|-------------------|---------|----------|--------|
| 1   | DFTPP       | DFTPP               | BN037188.D     | 09 Jun 2025 10:15 |         | RC/JU    | Ok     |
| 2   | SSTDCCC0.4  | SSTDCCC0.4          | BN037189.D     | 09 Jun 2025 10:54 |         | RC/JU    | Ok     |
| 3   | PB168336BL  | PB168336BL          | BN037190.D     | 09 Jun 2025 11:30 |         | RC/JU    | Ok     |
| 4   | Q2250-01    | MW-11A-13.5-060525  | BN037191.D     | 09 Jun 2025 12:06 |         | RC/JU    | Ok     |
| 5   | Q2250-02MS  | MW-11A-13.5-060525M | BN037192.D     | 09 Jun 2025 14:33 |         | RC/JU    | Ok,M   |
| 6   | Q2250-03MSD | MW-11A-13.5-060525M | BN037193.D     | 09 Jun 2025 15:47 |         | RC/JU    | Ok,M   |
| 7   | Q2251-03    | BP-VPB-182-GW-760-7 | BN037194.D     | 09 Jun 2025 16:26 |         | RC/JU    | Ok     |
| 8   | Q2251-05    | BP-VPB-182-EB-20250 | BN037195.D     | 09 Jun 2025 17:02 |         | RC/JU    | Ok     |
| 9   | Q2251-06    | VPB182-HYD-2025060  | BN037196.D     | 09 Jun 2025 17:39 |         | RC/JU    | Ok     |
| 10  | Q2253-01    | RW8-SP100-20250605  | BN037197.D     | 09 Jun 2025 18:15 |         | RC/JU    | Ok     |
| 11  | Q2253-02    | RW8-SP303-20250605  | BN037198.D     | 09 Jun 2025 18:51 |         | RC/JU    | Ok     |
| 12  | Q2250-05    | EB02-060525         | BN037199.D     | 09 Jun 2025 19:27 |         | RC/JU    | Ok     |
| 13  | Q2254-01    | BP-VPB-182-GW-810-8 | BN037200.D     | 09 Jun 2025 20:04 |         | RC/JU    | Ok     |
| 14  | PB168336BS  | PB168336BS          | BN037201.D     | 09 Jun 2025 20:40 |         | RC/JU    | Ok     |
| 15  | SSTDCCC0.4  | SSTDCCC0.4EC        | BN037202.D     | 09 Jun 2025 21:16 |         | RC/JU    | Ok     |
| 16  | DFTPP       | DFTPP               | BN037203.D     | 09 Jun 2025 22:32 |         | RC/JU    | Ok     |
| 17  | SSTDCCC0.4  | SSTDCCC0.4          | BN037204.D     | 09 Jun 2025 23:11 |         | RC/JU    | Ok     |
|     |             |                     |                |                   |         |          |        |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN060925**

| Review By                | Rahul                                            | Review On         | 6/10/2025 11:45:37 AM                     |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 6/10/2025 1:38:10 PM                      |
| SubDirectory             | BN060925                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn060325 |
| STD. NAME                | STD REF.#                                        |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775 |                   |                                           |
| CCC                      | SP6779                                           |                   |                                           |
| Internal Standard/PEM    | SP6740,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6768                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

|    |            |                     |            |                   |                                  |       |          |
|----|------------|---------------------|------------|-------------------|----------------------------------|-------|----------|
| 18 | PB168336BL | PB168336BL          | BN037205.D | 09 Jun 2025 23:48 | analyzed to check contamination. | RC/JU | Not Ok   |
| 19 | Q2234-01   | MW-17B-55-060425    | BN037206.D | 10 Jun 2025 00:24 |                                  | RC/JU | Ok       |
| 20 | Q2234-05   | MW-18B-56-060425    | BN037207.D | 10 Jun 2025 01:00 |                                  | RC/JU | Ok       |
| 21 | Q2234-06   | MW-18B-56-060425-FD | BN037208.D | 10 Jun 2025 01:36 |                                  | RC/JU | Ok       |
| 22 | Q2234-07   | MW-19B-72-060425    | BN037209.D | 10 Jun 2025 02:12 | Need 2X dilutiion                | RC/JU | Dilution |
| 23 | Q2250-04   | MW-06-6.5-060525    | BN037210.D | 10 Jun 2025 02:49 |                                  | RC/JU | Ok       |
| 24 | Q2209-01   | P01W                | BN037211.D | 10 Jun 2025 03:25 |                                  | RC/JU | Ok       |
| 25 | Q2210-01   | TW1                 | BN037212.D | 10 Jun 2025 04:01 |                                  | RC/JU | Ok       |
| 26 | Q2234-07DL | MW-19B-72-060425DL  | BN037213.D | 10 Jun 2025 09:49 |                                  | RC/JU | Ok       |
| 27 | SSTDCCC0.4 | SSTDCCC0.4EC        | BN037214.D | 10 Jun 2025 10:25 |                                  | RC/JU | Ok       |

M : Manual Integration

**SOP ID:** M3510C,3580A-Extraction SVOC-20

**Clean Up SOP #:** N/A

**Matrix :** Water

**Welgh By:** N/A **Extraction By:** RS

**Balance check:** N/A **Filter By:** RJ

**Balance ID:** N/A **pH Meter ID:** N/A

**pH Strip Lot#:** E3880 **Hood ID:** 4,5,6,7

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

**Extraction Start Date :** 06/06/2025

**Extraction Start Time :** 11:54

**Extraction End Date :** 06/06/2025

**Extraction End Time :** 17:10

**Concentration By:** EH

**Supervisor By :** RUPESH

| Standarded Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|-----------------|----------|---------------------|---------------------|
| Spike Sol 1     | 1.0ML    | 0.4 PPM             | SP6756              |
| Surrogate       | 1.0ML    | 0.4 PPM             | SP6758              |
| N/A             | N/A      | N/A                 | N/A                 |
| N/A             | N/A      | N/A                 | N/A                 |
| N/A             | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3939      |
| Baked Na2SO4       | N/A            | EP2620     |
| 10N NaoH           | N/A            | EP2609     |
| H2SO4 1:1          | N/A            | EP2610     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

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

**KD Bath ID:** WATER BATH-1,2 **Envap ID:** NEVAP-02

**KD Bath Temperature:** 60 °C **Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 6/6/25      | RS (EXT-Lab)                            | JH / SVOC            |
| 17:15       | Preparation Group                       | Analysis Group       |



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

Concentration Date: 06/06/2025

| Sample ID  | Client Sample ID                                    | Test               | g / mL | PH | Surr/Spike By: |            | Final Vol. (mL) | JarID | Comments | Prep Pos |
|------------|-----------------------------------------------------|--------------------|--------|----|----------------|------------|-----------------|-------|----------|----------|
|            |                                                     |                    |        |    | AddedBy        | VerifiedBy |                 |       |          |          |
| PB168336BL | SBLK336                                             | SVOC-SIMGrou<br>p1 | 1000   | 6  | RUPESH         | ritesh     | 1               |       |          | SEP-1    |
| PB168336BS | SLCS336                                             | SVOC-SIMGrou<br>p1 | 1000   | 6  | RUPESH         | ritesh     | 1               |       |          | 2        |
| Q2209-01   | P01W                                                | SVOC-SIMGrou<br>p1 | 990    | 6  | RUPESH         | ritesh     | 1               | C     |          | 3        |
| Q2210-01   | TW1                                                 | SVOCMS<br>Group2   | 1000   | 6  | RUPESH         | ritesh     | 1               | E     |          | 4        |
| Q2234-01   | MW-17B-55-060425                                    | SVOC-SIMGrou<br>p1 | 980    | 6  | RUPESH         | ritesh     | 1               | H     |          | 5        |
| Q2234-05   | MW-18B-56-060425                                    | SVOC-SIMGrou<br>p1 | 970    | 11 | RUPESH         | ritesh     | 1               | E     |          | 6        |
| Q2234-06   | MW-18B-56-060425-FD                                 | SVOC-SIMGrou<br>p1 | 1000   | 11 | RUPESH         | ritesh     | 1               | E     |          | 7        |
| Q2234-07   | MW-19B-72-060425                                    | SVOC-SIMGrou<br>p1 | 980    | 6  | RUPESH         | ritesh     | 1               | E     |          | 8        |
| Q2250-01   | MW-11A-13.5-060525                                  | SVOC-SIMGrou<br>p1 | 930    | 6  | RUPESH         | ritesh     | 1               | E     |          | 9        |
| Q2250-02   | Q2250-01MS                                          | SVOC-SIMGrou<br>p1 | 960    | 6  | RUPESH         | ritesh     | 1               | E     |          | 10       |
| Q2250-03   | Q2250-01MSD                                         | SVOC-SIMGrou<br>p1 | 990    | 6  | RUPESH         | ritesh     | 1               | E     |          | 11       |
| Q2250-04   | MW-06-6.5-060525                                    | SVOC-SIMGrou<br>p1 | 970    | 6  | RUPESH         | ritesh     | 1               | A     |          | 12       |
| Q2250-05   | EB02-060525                                         | SVOC-SIMGrou<br>p1 | 990    | 6  | RUPESH         | ritesh     | 1               | J     |          | 13       |
| Q2251-03   | BP-VPB-182-GW-760-762                               | SVOC-SIMGrou<br>p1 | 850    | 6  | RUPESH         | ritesh     | 1               | C     |          | 14       |
| Q2251-05   | BP-VPB-182-EB-20250604                              | SVOC-SIMGrou<br>p1 | 870    | 6  | RUPESH         | ritesh     | 1               | C     |          | 15       |
| Q2251-06   | VPB182-HYD-20250605                                 | SVOC-SIMGrou<br>p1 | 890    | 6  | RUPESH         | ritesh     | 1               | C     |          | 16       |
| Q2253-01   | RW8-SP100-20250605                                  | SVOC-SIMGrou<br>p1 | 1000   | 6  | RUPESH         | ritesh     | 1               | B     |          | SEP-1    |
| Q2253-02   | <del>RW8-SP100-20250605</del><br>RW8-SP103-20250605 | SVOC-SIMGrou<br>p1 | 1000   | 6  | RUPESH         | ritesh     | 1               | D     |          | 2        |
| Q2254-01   | BP-VPB-182-GW-810-812                               | SVOC-SIMGrou<br>p1 | 890    | 6  | RUPESH         | ritesh     | 1               |       |          | 3        |

\* Extracts relinquished on the same date as received.

RS  
6/6

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2250      WorkList ID : 190013      Department : Extraction      Date : 06-06-2025 11:47:44

| Sample   | Customer Sample        | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q2209-01 | P01W                   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | GENV01   | N31                         | 06/04/2025   | 8270-Modified |
| Q2210-01 | TW1                    | Water  | SVOCMS Group2  | Cool 4 deg C | GENV01   | L31                         | 06/03/2025   | 8270-Modified |
| Q2234-01 | MW-17B-55-060425       | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | N31                         | 06/04/2025   | 8270-Modified |
| Q2234-05 | MW-18B-56-060425       | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | N31                         | 06/04/2025   | 8270-Modified |
| Q2234-06 | MW-18B-56-060425-FD    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | N31                         | 06/04/2025   | 8270-Modified |
| Q2234-07 | MW-19B-72-060425       | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | N31                         | 06/04/2025   | 8270-Modified |
| Q2250-01 | MW-11A-13.5-060525     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D22                         | 06/05/2025   | 8270-Modified |
| Q2250-02 | Q2250-01MS             | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D22                         | 06/05/2025   | 8270-Modified |
| Q2250-03 | Q2250-01MSD            | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D22                         | 06/05/2025   | 8270-Modified |
| Q2250-04 | MW-06-6.5-060525       | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D22                         | 06/05/2025   | 8270-Modified |
| Q2250-05 | EB02-060525            | Water  | SVOC-SIMGroup1 | Cool 4 deg C | JACO05   | D22                         | 06/05/2025   | 8270-Modified |
| Q2251-03 | BP-VPB-182-GW-760-762  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETRO6   | L31                         | 06/03/2025   | 8270-Modified |
| Q2251-05 | BP-VPB-182-EB-20250604 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETRO6   | L31                         | 06/04/2025   | 8270-Modified |
| Q2251-06 | VPB 182-HYD-20250605   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETRO6   | L31                         | 06/05/2025   | 8270-Modified |
| Q2253-01 | RW8-SP100-20250605     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETRO6   | D21                         | 06/05/2025   | 8270-Modified |
| Q2253-02 | RW8-SP100-20250605     | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETRO6   | D21                         | 06/05/2025   | 8270-Modified |
| Q2254-01 | BP-VPB-182-GW-810-812  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | TETRO6   | D21                         | 06/05/2025   | 8270-Modified |

Date/Time      6/6/25      11:47  
 Raw Sample Received by:      RS (Ext-605)  
 Raw Sample Relinquished by:      JD (CSM)

Date/Time      6/6/25      12:45  
 Raw Sample Received by:      JD (CSM)  
 Raw Sample Relinquished by:      RS (Ext-605)

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2250                          | <b>OrderDate:</b> | 6/5/2025 4:22:00 PM                       |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | D22,N31,VOA Ref. #3 Water                 |

| LabID           | ClientID                  | Matrix       | Test           | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|---------------------------|--------------|----------------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q2250-01</b> | <b>MW-11A-13.5-060525</b> | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>06/05/25</b> | 06/06/25  | 06/09/25  | <b>06/05/25</b> |
| <b>Q2250-04</b> | <b>MW-06-6.5-060525</b>   | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>06/05/25</b> | 06/06/25  | 06/10/25  | <b>06/05/25</b> |
| <b>Q2250-05</b> | <b>EB02-060525</b>        | <b>Water</b> | SVOC-SIMGroup1 | 8270-Modified | <b>06/05/25</b> | 06/06/25  | 06/09/25  | <b>06/05/25</b> |

**Hit Summary Sheet**  
**SW-846**

|                 |                                |                    |                                       |
|-----------------|--------------------------------|--------------------|---------------------------------------|
| <b>SDG No.:</b> | Q2250                          | <b>Order ID:</b>   | Q2250                                 |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project ID:</b> | Former Schlumberger STC PTC Site D386 |

| Sample ID                      | Client ID   | Matrix | Parameter | Concentration | C | MDL  | RDL  | Units |
|--------------------------------|-------------|--------|-----------|---------------|---|------|------|-------|
| <b>Client ID : EB02-060525</b> |             |        |           |               |   |      |      |       |
| Q2250-05                       | EB02-060525 | Water  | Aluminum  | 2.09          | J | 1.94 | 20.0 | ug/L  |
| Q2250-05                       | EB02-060525 | Water  | Barium    | 0.68          | J | 0.21 | 10.0 | ug/L  |
| Q2250-05                       | EB02-060525 | Water  | Manganese | 0.92          | J | 0.43 | 1.00 | ug/L  |



# SAMPLE DATA

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25 |
| Client Sample ID: | EB02-060525                               | SDG No.:        | Q2250    |
| Lab Sample ID:    | Q2250-05                                  | Matrix:         | Water    |
| Level (low/med):  | low                                       | % Solid:        | 0        |

| Cas       | Parameter | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date      | Date Ana.      | Ana Met. | Prep Met. |
|-----------|-----------|-------|------|----|-------|------------|-------|----------------|----------------|----------|-----------|
| 7429-90-5 | Aluminum  | 2.09  | J    | 1  | 1.94  | 20.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-36-0 | Antimony  | 0.11  | U    | 1  | 0.11  | 2.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-38-2 | Arsenic   | 0.089 | UN*  | 1  | 0.089 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-39-3 | Barium    | 0.68  | J    | 1  | 0.21  | 10.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-41-7 | Beryllium | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-43-9 | Cadmium   | 0.34  | U    | 1  | 0.34  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-70-2 | Calcium   | 45.7  | U    | 1  | 45.7  | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-47-3 | Chromium  | 0.21  | U    | 1  | 0.21  | 2.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-48-4 | Cobalt    | 0.070 | U    | 1  | 0.070 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-50-8 | Copper    | 0.30  | U    | 1  | 0.30  | 2.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-89-6 | Iron      | 7.81  | U    | 1  | 7.81  | 50.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-92-1 | Lead      | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-95-4 | Magnesium | 19.5  | U    | 1  | 19.5  | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-96-5 | Manganese | 0.92  | J    | 1  | 0.43  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7439-97-6 | Mercury   | 0.076 | UN   | 1  | 0.076 | 0.20       | ug/L  | 06/09/25 15:15 | 06/10/25 13:37 | 7470A    |           |
| 7440-02-0 | Nickel    | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-09-7 | Potassium | 36.4  | U    | 1  | 36.4  | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7782-49-2 | Selenium  | 2.90  | U    | 1  | 2.90  | 5.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-22-4 | Silver    | 0.060 | UN   | 1  | 0.060 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-23-5 | Sodium    | 128   | U    | 1  | 128   | 500        | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-28-0 | Thallium  | 0.060 | U    | 1  | 0.060 | 1.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-62-2 | Vanadium  | 0.077 | U    | 1  | 0.077 | 5.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |
| 7440-66-6 | Zinc      | 1.25  | U    | 1  | 1.25  | 5.00       | ug/L  | 06/09/25 12:20 | 06/11/25 21:27 | 6020B    | 3010A     |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

\* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N = Spiked sample recovery not within control limits

## Report of Analysis

|                   |                                           |                 |          |
|-------------------|-------------------------------------------|-----------------|----------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25 |
| Client Sample ID: | EB02-060525                               | SDG No.:        | Q2250    |
| Lab Sample ID:    | Q2250-07                                  | 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      | 7.81  | U    | 1  | 7.81 | 50.0       | ug/L  | 06/09/25 12:20 | 06/11/25 21:30 | 6020B    | 3010A     |

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

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

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



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

### Metals

- 3a -

#### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> JACOBS Engineering Group, Inc. |                       | <b>SDG No.:</b> Q2250  |                     |                       |      |    |                  |                  |               |
|-----------------------------------------------|-----------------------|------------------------|---------------------|-----------------------|------|----|------------------|------------------|---------------|
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2250 |                     | <b>SAS No.:</b> Q2250 |      |    |                  |                  |               |
| Sample ID                                     | Analyte               | Result<br>ug/L         | Acceptance<br>Limit | Conc<br>Qual          | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| ICB31                                         | Mercury               | 0.076                  | +/-0.2              | U                     | 0.20 | CV | 06/10/2025       | 10:41            | LB136079      |



**Metals**

- 3a -

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

| <b>Client:</b> JACOBS Engineering Group, Inc. |                       | <b>SDG No.:</b> Q2250  |                       |              |      |    |                  |                  |               |
|-----------------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|----|------------------|------------------|---------------|
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2250 | <b>SAS No.:</b> Q2250 |              |      |    |                  |                  |               |
| Sample ID                                     | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB17                                         | Mercury               | 0.076                  | +/-0.2                | U            | 0.20 | CV | 06/10/2025       | 10:48            | LB136079      |
| CCB18                                         | Mercury               | 0.076                  | +/-0.2                | U            | 0.20 | CV | 06/10/2025       | 11:37            | LB136079      |
| CCB19                                         | Mercury               | 0.076                  | +/-0.2                | U            | 0.20 | CV | 06/10/2025       | 12:14            | LB136079      |
| CCB20                                         | Mercury               | 0.076                  | +/-0.2                | U            | 0.20 | CV | 06/10/2025       | 12:59            | LB136079      |
| CCB21                                         | Mercury               | 0.076                  | +/-0.2                | U            | 0.20 | CV | 06/10/2025       | 13:32            | LB136079      |
| CCB22                                         | Mercury               | 0.076                  | +/-0.2                | U            | 0.20 | CV | 06/10/2025       | 14:30            | LB136079      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| ICB01     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 06/11/2025       | 19:07            | LB136121      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 19:07            | LB136121      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 19:07            | LB136121      |

## Metals

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| <b>Client:</b> JACOBS Engineering Group, Inc. |                       | <b>SDG No.:</b> Q2250  |                       |              |      |   |                  |                  |               |
|-----------------------------------------------|-----------------------|------------------------|-----------------------|--------------|------|---|------------------|------------------|---------------|
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM | <b>Case No.:</b> Q2250 | <b>SAS No.:</b> Q2250 |              |      |   |                  |                  |               |
| Sample ID                                     | Analyte               | Result<br>ug/L         | Acceptance<br>Limit   | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
| CCB01                                         | Aluminum              | 1.94                   | +/-10                 | U            | 20.0 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Antimony              | 0.11                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Arsenic               | 0.089                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Barium                | 0.21                   | +/-5                  | U            | 10.0 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Beryllium             | 0.32                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Cadmium               | 0.34                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Calcium               | 45.7                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Chromium              | 0.21                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Cobalt                | 0.070                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Copper                | 0.30                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Iron                  | 7.81                   | +/-25                 | U            | 50.0 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Lead                  | 0.21                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Magnesium             | 19.5                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Manganese             | 0.43                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Nickel                | 0.27                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Potassium             | 36.4                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Selenium              | 2.90                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Silver                | 0.060                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Sodium                | 128                    | +/-250                | U            | 500  | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Thallium              | 0.060                  | +/-0.5                | J            | 1.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Vanadium              | 0.077                  | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:35            | LB136121      |
|                                               | Zinc                  | 1.25                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:35            | LB136121      |
| CCB02                                         | Aluminum              | 1.94                   | +/-10                 | U            | 20.0 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Antimony              | 0.11                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Arsenic               | 0.089                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Barium                | 0.21                   | +/-5                  | U            | 10.0 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Beryllium             | 0.32                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Cadmium               | 0.34                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Calcium               | 45.7                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Chromium              | 0.21                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Cobalt                | 0.070                  | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Copper                | 0.30                   | +/-1                  | U            | 2.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Iron                  | 7.81                   | +/-25                 | U            | 50.0 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Lead                  | 0.21                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Magnesium             | 19.5                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Manganese             | 0.43                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Nickel                | 0.27                   | +/-0.5                | U            | 1.00 | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Potassium             | 36.4                   | +/-250                | U            | 500  | P | 06/11/2025       | 19:58            | LB136121      |
|                                               | Selenium              | 2.90                   | +/-2.5                | U            | 5.00 | P | 06/11/2025       | 19:58            | LB136121      |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

| Client: JACOBS Engineering Group, Inc. |                | SDG No.: Q2250  |                  |           |      |   |               |               |            |
|----------------------------------------|----------------|-----------------|------------------|-----------|------|---|---------------|---------------|------------|
| Contract: JACO05                       | Lab Code: CHEM | Case No.: Q2250 | SAS No.: Q2250   |           |      |   |               |               |            |
| Sample ID                              | Analyte        | Result ug/L     | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
| CCB02                                  | Silver         | 0.060           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 19:58         | LB136121   |
|                                        | Sodium         | 128             | +/-250           | U         | 500  | P | 06/11/2025    | 19:58         | LB136121   |
|                                        | Thallium       | 0.060           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 19:58         | LB136121   |
|                                        | Vanadium       | 0.077           | +/-2.5           | U         | 5.00 | P | 06/11/2025    | 19:58         | LB136121   |
|                                        | Zinc           | 1.25            | +/-2.5           | U         | 5.00 | P | 06/11/2025    | 19:58         | LB136121   |
| CCB03                                  | Aluminum       | 1.94            | +/-10            | U         | 20.0 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Antimony       | 0.11            | +/-1             | U         | 2.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Arsenic        | 0.089           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Barium         | 0.21            | +/-5             | U         | 10.0 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Beryllium      | 0.32            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Cadmium        | 0.34            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Calcium        | 45.7            | +/-250           | U         | 500  | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Chromium       | 0.21            | +/-1             | U         | 2.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Cobalt         | 0.070           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Copper         | 0.30            | +/-1             | U         | 2.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Iron           | 7.81            | +/-25            | U         | 50.0 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Lead           | 0.21            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Magnesium      | 19.5            | +/-250           | U         | 500  | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Manganese      | 0.43            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Nickel         | 0.27            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Potassium      | 36.4            | +/-250           | U         | 500  | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Selenium       | 2.90            | +/-2.5           | U         | 5.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Silver         | 0.060           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Sodium         | 128             | +/-250           | U         | 500  | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Thallium       | 0.060           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Vanadium       | 0.077           | +/-2.5           | U         | 5.00 | P | 06/11/2025    | 20:41         | LB136121   |
|                                        | Zinc           | 1.25            | +/-2.5           | U         | 5.00 | P | 06/11/2025    | 20:41         | LB136121   |
| CCB04                                  | Aluminum       | 1.94            | +/-10            | U         | 20.0 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Antimony       | 0.11            | +/-1             | U         | 2.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Arsenic        | 0.089           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Barium         | 0.21            | +/-5             | U         | 10.0 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Beryllium      | 0.32            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Cadmium        | 0.34            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Calcium        | 45.7            | +/-250           | U         | 500  | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Chromium       | 0.21            | +/-1             | U         | 2.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Cobalt         | 0.070           | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Copper         | 0.30            | +/-1             | U         | 2.00 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Iron           | 7.81            | +/-25            | U         | 50.0 | P | 06/11/2025    | 21:23         | LB136121   |
|                                        | Lead           | 0.21            | +/-0.5           | U         | 1.00 | P | 06/11/2025    | 21:23         | LB136121   |

# Metals

- 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250

| Sample ID | Analyte   | Result<br>ug/L | Acceptance<br>Limit | Conc<br>Qual | CRQL | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|---------------------|--------------|------|---|------------------|------------------|---------------|
| CCB04     | Magnesium | 19.5           | +/-250              | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 06/11/2025       | 21:23            | LB136121      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:23            | LB136121      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:23            | LB136121      |
| CCB05     | Aluminum  | 1.94           | +/-10               | U            | 20.0 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Antimony  | 0.11           | +/-1                | U            | 2.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Arsenic   | 0.089          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Barium    | 0.21           | +/-5                | U            | 10.0 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Beryllium | 0.32           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Cadmium   | 0.34           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Calcium   | 45.7           | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Chromium  | 0.21           | +/-1                | U            | 2.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Cobalt    | 0.070          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Copper    | 0.30           | +/-1                | U            | 2.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Iron      | 7.81           | +/-25               | U            | 50.0 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Lead      | 0.21           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Magnesium | 19.5           | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Manganese | 0.43           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Nickel    | 0.27           | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Potassium | 36.4           | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Selenium  | 2.90           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Silver    | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Sodium    | 128            | +/-250              | U            | 500  | P | 06/11/2025       | 21:45            | LB136121      |
|           | Thallium  | 0.060          | +/-0.5              | U            | 1.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Vanadium  | 0.077          | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:45            | LB136121      |
|           | Zinc      | 1.25           | +/-2.5              | U            | 5.00 | P | 06/11/2025       | 21:45            | LB136121      |

**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Instrument:** CV1

| Sample ID         | Analyte | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M  | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|---------|------------------|---------------------|----------------------|-----------------|----|-------------------|-------------------|----------|
| <b>PB168379BL</b> |         | <b>WATER</b>     |                     | <b>Batch Number:</b> | <b>PB168379</b> |    | <b>Prep Date:</b> | <b>06/09/2025</b> |          |
|                   | Mercury | 0.076            | <0.2                | U                    | 0.20            | CV | 06/10/2025        | 13:13             | LB136079 |

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**Metals**  
**- 3b -**  
**PREPARATION BLANK SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Instrument:** P7

| Sample ID         | Analyte      | Result<br>(ug/L) | Acceptance<br>Limit | Conc<br>Qual         | CRQL<br>ug/L    | M | Analysis<br>Date  | Analysis<br>Time  | Run      |
|-------------------|--------------|------------------|---------------------|----------------------|-----------------|---|-------------------|-------------------|----------|
| <b>PB168360BL</b> | <b>WATER</b> |                  |                     | <b>Batch Number:</b> | <b>PB168360</b> |   | <b>Prep Date:</b> | <b>06/09/2025</b> |          |
|                   | Aluminum     | 1.94             | <10                 | U                    | 20.0            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Antimony     | 0.11             | <1                  | U                    | 2.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Arsenic      | 0.089            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Barium       | 0.21             | <5                  | U                    | 10.0            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Beryllium    | 0.32             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Cadmium      | 0.34             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Calcium      | 45.7             | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Chromium     | 0.21             | <1                  | U                    | 2.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Cobalt       | 0.070            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Copper       | 0.30             | <1                  | U                    | 2.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Iron         | 7.81             | <25                 | U                    | 50.0            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Lead         | 0.21             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Magnesium    | 19.5             | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Manganese    | 0.43             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Nickel       | 0.27             | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Potassium    | 36.4             | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Selenium     | 2.90             | <2.5                | U                    | 5.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Silver       | 0.060            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Sodium       | 128              | <250                | U                    | 500             | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Thallium     | 0.060            | <0.5                | U                    | 1.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Vanadium     | 0.077            | <2.5                | U                    | 5.00            | P | 06/11/2025        | 20:02             | LB136121 |
|                   | Zinc         | 1.25             | <2.5                | U                    | 5.00            | P | 06/11/2025        | 20:02             | LB136121 |



# METAL CALIBRATION DATA





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- 2a -



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**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250

**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV17     | Mercury | 4.62           | 5.0        | 92            | 90 - 110                  | CV | 06/10/2025       | 10:43            | LB136079      |
| CCV18     | Mercury | 4.87           | 5.0        | 98            | 90 - 110                  | CV | 06/10/2025       | 11:32            | LB136079      |
| CCV19     | Mercury | 5.40           | 5.0        | 108           | 90 - 110                  | CV | 06/10/2025       | 12:12            | LB136079      |
| CCV20     | Mercury | 4.67           | 5.0        | 93            | 90 - 110                  | CV | 06/10/2025       | 12:57            | LB136079      |
| CCV21     | Mercury | 5.40           | 5.0        | 108           | 90 - 110                  | CV | 06/10/2025       | 13:30            | LB136079      |
| CCV22     | Mercury | 4.85           | 5.0        | 97            | 90 - 110                  | CV | 06/10/2025       | 14:28            | LB136079      |

# Metals

- 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250

Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Aluminum  | 461            | 500        | 92            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Antimony  | 191            | 200        | 95            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Arsenic   | 215            | 200        | 107           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Barium    | 98.7           | 100        | 99            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Beryllium | 100            | 100        | 100           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Cadmium   | 108            | 100        | 108           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Calcium   | 1960           | 2000       | 98            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Chromium  | 101            | 100        | 101           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Cobalt    | 105            | 100        | 105           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Copper    | 99.0           | 100        | 99            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Iron      | 2000           | 2000       | 100           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Lead      | 186            | 200        | 93            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Magnesium | 1090           | 1200       | 91            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Manganese | 100            | 100        | 100           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Nickel    | 112            | 110        | 102           | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Potassium | 1940           | 2000       | 97            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Selenium  | 194            | 200        | 97            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Silver    | 46.7           | 50.0       | 93            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Sodium    | 1900           | 2000       | 95            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Thallium  | 194            | 210        | 92            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Vanadium  | 97.6           | 100        | 98            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |
|           | Zinc      | 197            | 200        | 99            | 90 - 110                  | P | 06/11/2025       | 18:48            | LB136121      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Aluminum  | 16.7           | 20.0       | 83            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Antimony  | 2.00           | 2.0        | 100           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Arsenic   | 1.15           | 1.0        | 115           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Barium    | 9.49           | 10.0       | 95            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Beryllium | 1.05           | 1.0        | 105           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Cadmium   | 1.06           | 1.0        | 106           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Calcium   | 474            | 500        | 95            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Chromium  | 1.84           | 2.0        | 92            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Cobalt    | 0.99           | 1.0        | 99            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Copper    | 1.98           | 2.0        | 99            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Iron      | 52.6           | 50.0       | 105           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Lead      | 0.90           | 1.0        | 90            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Magnesium | 430            | 500        | 86            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Manganese | 1.10           | 1.0        | 110           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Nickel    | 1.05           | 1.0        | 105           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Potassium | 485            | 500        | 97            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Selenium  | 5.98           | 5.0        | 120           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Silver    | 1.07           | 1.0        | 107           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Sodium    | 471            | 500        | 94            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Thallium  | 0.88           | 1.0        | 88            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Vanadium  | 4.94           | 5.0        | 99            | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |
|           | Zinc      | 5.06           | 5.0        | 101           | 80 - 120                  | P | 06/11/2025       | 19:00            | LB136121      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
 Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
 Initial Calibration Source: EPA  
 Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Aluminum  | 49600          | 50000      | 99            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Antimony  | 523            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Arsenic   | 483            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Barium    | 2620           | 2500       | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Beryllium | 527            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Cadmium   | 503            | 500        | 101           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Calcium   | 259000         | 250000     | 104           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Chromium  | 466            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Cobalt    | 460            | 500        | 92            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Copper    | 4770           | 5000       | 95            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Iron      | 127000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Lead      | 2650           | 2500       | 106           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Magnesium | 235000         | 250000     | 94            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Manganese | 5010           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Nickel    | 483            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Potassium | 126000         | 125000     | 101           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Selenium  | 487            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Silver    | 536            | 500        | 107           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Sodium    | 230000         | 250000     | 92            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Thallium  | 525            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Vanadium  | 471            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
|           | Zinc      | 4650           | 5000       | 93            | 90 - 110                  | P | 06/11/2025       | 19:29            | LB136121      |
| CCV02     | Aluminum  | 50800          | 50000      | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Antimony  | 509            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Arsenic   | 493            | 500        | 99            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Barium    | 2560           | 2500       | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Beryllium | 502            | 500        | 100           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Cadmium   | 485            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Calcium   | 248000         | 250000     | 99            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Chromium  | 472            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Cobalt    | 465            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Copper    | 4890           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Iron      | 130000         | 125000     | 104           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Lead      | 2580           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |

# Metals

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## INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV02     | Magnesium | 241000         | 250000     | 96            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Manganese | 5000           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Nickel    | 490            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Potassium | 128000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Selenium  | 485            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Silver    | 515            | 500        | 103           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Sodium    | 230000         | 250000     | 92            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Thallium  | 522            | 500        | 104           | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Vanadium  | 475            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
|           | Zinc      | 4650           | 5000       | 93            | 90 - 110                  | P | 06/11/2025       | 19:52            | LB136121      |
| CCV03     | Aluminum  | 49100          | 50000      | 98            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Antimony  | 500            | 500        | 100           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Arsenic   | 486            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Barium    | 2510           | 2500       | 100           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Beryllium | 509            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Cadmium   | 479            | 500        | 96            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Calcium   | 253000         | 250000     | 101           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Chromium  | 468            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Cobalt    | 463            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Copper    | 4870           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Iron      | 129000         | 125000     | 103           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Lead      | 2570           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Magnesium | 233000         | 250000     | 93            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Manganese | 4980           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Nickel    | 487            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Potassium | 127000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Selenium  | 471            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Silver    | 505            | 500        | 101           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Sodium    | 227000         | 250000     | 91            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Thallium  | 521            | 500        | 104           | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Vanadium  | 472            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
|           | Zinc      | 4730           | 5000       | 94            | 90 - 110                  | P | 06/11/2025       | 20:35            | LB136121      |
| CCV04     | Aluminum  | 50000          | 50000      | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Antimony  | 495            | 500        | 99            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV04     | Arsenic   | 483            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Barium    | 2500           | 2500       | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Beryllium | 512            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Cadmium   | 474            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Calcium   | 250000         | 250000     | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Chromium  | 471            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Cobalt    | 465            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Copper    | 4900           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Iron      | 128000         | 125000     | 103           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Lead      | 2580           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Magnesium | 235000         | 250000     | 94            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Manganese | 5030           | 5000       | 100           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Nickel    | 490            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Potassium | 127000         | 125000     | 102           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Selenium  | 469            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Silver    | 509            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Sodium    | 230000         | 250000     | 92            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Thallium  | 523            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Vanadium  | 476            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
|           | Zinc      | 4750           | 5000       | 95            | 90 - 110                  | P | 06/11/2025       | 21:16            | LB136121      |
| CCV05     | Aluminum  | 49800          | 50000      | 100           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Antimony  | 511            | 500        | 102           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Arsenic   | 485            | 500        | 97            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Barium    | 2530           | 2500       | 101           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Beryllium | 513            | 500        | 103           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Cadmium   | 489            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Calcium   | 247000         | 250000     | 99            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Chromium  | 468            | 500        | 94            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Cobalt    | 465            | 500        | 93            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Copper    | 4920           | 5000       | 98            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Iron      | 128000         | 125000     | 103           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Lead      | 2580           | 2500       | 103           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Magnesium | 234000         | 250000     | 94            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Manganese | 5030           | 5000       | 101           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |

## Metals

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. SDG No.: Q2250  
Contract: JACO05 Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250  
Initial Calibration Source: EPA  
Continuing Calibration Source: PLASMA-PURE

| Sample ID | Analyte   | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV05     | Nickel    | 491            | 500        | 98            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Potassium | 130000         | 125000     | 104           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Selenium  | 482            | 500        | 96            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Silver    | 525            | 500        | 105           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Sodium    | 228000         | 250000     | 91            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Thallium  | 522            | 500        | 104           | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Vanadium  | 475            | 500        | 95            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |
|           | Zinc      | 4830           | 5000       | 97            | 90 - 110                  | P | 06/11/2025       | 21:34            | LB136121      |



**Metals**

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**CRDL STANDARD FOR AA & ICP**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Initial Calibration Source:** \_\_\_\_\_  
**Continuing Calibration Source:** \_\_\_\_\_

| Sample ID  | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|------------|-----------|----------------|--------------------|---------------|---------------------------|----|------------------|------------------|---------------|
| <b>CRA</b> | Mercury   | 0.20           | 0.2                | 102           | 70 - 130                  | CV | 06/10/2025       | 10:56            | LB136079      |
| <b>CRI</b> | Aluminum  | 16.6           | 20.0               | 83            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Antimony  | 1.95           | 2.0                | 98            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Arsenic   | 1.09           | 1.0                | 109           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Barium    | 9.40           | 10.0               | 94            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Beryllium | 1.03           | 1.0                | 103           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Cadmium   | 0.99           | 1.0                | 99            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Calcium   | 468            | 500                | 94            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Chromium  | 1.98           | 2.0                | 99            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Cobalt    | 1.02           | 1.0                | 102           | 50 - 150                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Copper    | 2.10           | 2.0                | 105           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Iron      | 51.8           | 50.0               | 104           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Lead      | 0.93           | 1.0                | 93            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Magnesium | 435            | 500                | 87            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Manganese | 1.23           | 1.0                | 123           | 50 - 150                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Nickel    | 1.00           | 1.0                | 100           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Potassium | 490            | 500                | 98            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Selenium  | 6.05           | 5.0                | 121           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Silver    | 1.02           | 1.0                | 102           | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Sodium    | 489            | 500                | 98            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Thallium  | 0.97           | 1.0                | 97            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Vanadium  | 4.87           | 5.0                | 97            | 70 - 130                  | P  | 06/11/2025       | 19:39            | LB136121      |
|            | Zinc      | 5.22           | 5.0                | 104           | 50 - 150                  | P  | 06/11/2025       | 19:39            | LB136121      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**ICS Source:** EPA **Instrument ID:** P7

| Sample ID | Analyte   | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|-----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSA01    | Aluminum  | 93400          | 100000             | 93            | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|           | Antimony  | 1.10           | 1.5                | 73            | -2.5                   | 5.5                     | 06/11/2025       | 19:10            | LB136121      |
|           | Arsenic   | 0.34           | 0.1                | 340           | -1.9                   | 2.1                     | 06/11/2025       | 19:10            | LB136121      |
|           | Barium    | 1.35           | 1.2                | 112           | -18.8                  | 21.2                    | 06/11/2025       | 19:10            | LB136121      |
|           | Beryllium | 0.26           |                    |               | -2                     | 2                       | 06/11/2025       | 19:10            | LB136121      |
|           | Cadmium   | 0.23           | 0.7                | 33            | -1.3                   | 2.7                     | 06/11/2025       | 19:10            | LB136121      |
|           | Calcium   | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|           | Chromium  | 20.3           | 21.0               | 97            | 17                     | 25                      | 06/11/2025       | 19:10            | LB136121      |
|           | Cobalt    | 1.30           | 1.0                | 130           | -1                     | 3                       | 06/11/2025       | 19:10            | LB136121      |
|           | Copper    | 8.65           | 8.0                | 108           | 4                      | 12                      | 06/11/2025       | 19:10            | LB136121      |
|           | Iron      | 103000         | 100000             | 103           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|           | Lead      | 4.17           | 4.0                | 104           | 2                      | 6                       | 06/11/2025       | 19:10            | LB136121      |
|           | Magnesium | 93800          | 100000             | 94            | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|           | Manganese | 7.75           | 7.0                | 111           | 5                      | 9                       | 06/11/2025       | 19:10            | LB136121      |
|           | Nickel    | 5.88           | 6.0                | 98            | 4                      | 8                       | 06/11/2025       | 19:10            | LB136121      |
|           | Potassium | 106000         | 100000             | 106           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|           | Selenium  | 0.94           | 0.3                | 313           | -9.7                   | 10                      | 06/11/2025       | 19:10            | LB136121      |
|           | Silver    | 0.050          |                    |               | -2                     | 2                       | 06/11/2025       | 19:10            | LB136121      |
|           | Sodium    | 108000         | 100000             | 108           | 0                      | 0                       | 06/11/2025       | 19:10            | LB136121      |
|           | Thallium  | 0.050          |                    |               | -2                     | 2                       | 06/11/2025       | 19:10            | LB136121      |
|           | Vanadium  | 0.19           | 0.5                | 38            | -9.5                   | 10.5                    | 06/11/2025       | 19:10            | LB136121      |
|           | Zinc      | 10.8           | 11.0               | 98            | 1                      | 21                      | 06/11/2025       | 19:10            | LB136121      |
| ICSAB01   | Aluminum  | 90200          | 100000             | 90            | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|           | Antimony  | 20.6           | 22.0               | 94            | 18                     | 26                      | 06/11/2025       | 19:13            | LB136121      |
|           | Arsenic   | 21.1           | 19.0               | 111           | 16.2                   | 21.9                    | 06/11/2025       | 19:13            | LB136121      |
|           | Barium    | 20.7           | 22.0               | 94            | 2                      | 42                      | 06/11/2025       | 19:13            | LB136121      |
|           | Beryllium | 20.3           | 19.0               | 107           | 16.2                   | 21.9                    | 06/11/2025       | 19:13            | LB136121      |
|           | Cadmium   | 20.8           | 20.0               | 104           | 17                     | 23                      | 06/11/2025       | 19:13            | LB136121      |
|           | Calcium   | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|           | Chromium  | 40.4           | 40.0               | 101           | 34                     | 46                      | 06/11/2025       | 19:13            | LB136121      |
|           | Cobalt    | 21.2           | 20.0               | 106           | 17                     | 23                      | 06/11/2025       | 19:13            | LB136121      |
|           | Copper    | 28.2           | 25.0               | 113           | 21                     | 29                      | 06/11/2025       | 19:13            | LB136121      |
|           | Iron      | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|           | Lead      | 25.2           | 25.0               | 101           | 21.3                   | 28.8                    | 06/11/2025       | 19:13            | LB136121      |
|           | Magnesium | 90700          | 100000             | 91            | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|           | Manganese | 27.2           | 27.0               | 101           | 23                     | 31.1                    | 06/11/2025       | 19:13            | LB136121      |
|           | Nickel    | 26.7           | 24.0               | 111           | 20.4                   | 27.6                    | 06/11/2025       | 19:13            | LB136121      |
|           | Potassium | 102000         | 100000             | 102           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|           | Selenium  | 19.8           | 19.0               | 104           | 9                      | 29                      | 06/11/2025       | 19:13            | LB136121      |
|           | Silver    | 20.3           | 18.0               | 113           | 15.3                   | 20.7                    | 06/11/2025       | 19:13            | LB136121      |
|           | Sodium    | 107000         | 100000             | 107           | 0                      | 0                       | 06/11/2025       | 19:13            | LB136121      |
|           | Thallium  | 19.1           | 21.0               | 91            | 17.9                   | 24.2                    | 06/11/2025       | 19:13            | LB136121      |

**Metals**  
**- 4 -**  
**INTERFERENCE CHECK SAMPLE**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**ICS Source:** EPA **Instrument ID:** P7

| Sample ID | Analyte  | Result<br>ug/L | True Value<br>ug/L | %<br>Recovery | Low<br>Limit<br>(ug/L) | High<br>Limit<br>(ug/L) | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|----------|----------------|--------------------|---------------|------------------------|-------------------------|------------------|------------------|---------------|
| ICSAB01   | Vanadium | 20.1           | 19.0               | 106           | 9                      | 29                      | 06/11/2025       | 19:13            | LB136121      |
|           | Zinc     | 30.6           | 29.0               | 106           | 19                     | 39                      | 06/11/2025       | 19:13            | LB136121      |



# METAL QC DATA

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                                      |                                   |                                                            |
|------------------------------------------------------|-----------------------------------|------------------------------------------------------------|
| <b>client:</b> <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b> <u>low</u>          | <b>sdg no.:</b> <u>Q2250</u>                               |
| <b>contract:</b> <u>JACO05</u>                       | <b>lab code:</b> <u>CHEM</u>      | <b>case no.:</b> <u>Q2250</u> <b>sas no.:</b> <u>Q2250</u> |
| <b>matrix:</b> <u>Water</u>                          | <b>sample id:</b> <u>Q2234-01</u> | <b>client id:</b> <u>MW-17B-55-060425MS</u>                |
| <b>Percent Solids for Sample:</b> <u>NA</u>          | <b>Spiked ID:</b> <u>Q2234-02</u> | <b>Percent Solids for Spike Sample:</b> <u>NA</u>          |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7550             |   | 68.7             |   | 10000          | 75            |      | P |
| Antimony  | ug/L  | 75 - 125               | 492              |   | 0.39             | J | 500            | 98            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.97             | J | 0.94             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2620             |   | 461              |   | 2500           | 86            |      | P |
| Beryllium | ug/L  | 75 - 125               | 494              |   | 1.00             | U | 500            | 99            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 478              |   | 1.00             | U | 500            | 96            |      | P |
| Calcium   | ug/L  | 75 - 125               | 77700            |   | 32000            |   | 50000          | 91            |      | P |
| Chromium  | ug/L  | 75 - 125               | 442              |   | 0.21             | J | 500            | 88            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 471              |   | 8.11             |   | 500            | 93            |      | P |
| Copper    | ug/L  | 75 - 125               | 4710             |   | 2.00             | U | 5000           | 94            |      | P |
| Iron      | ug/L  | 75 - 125               | 26600            |   | 6790             |   | 25000          | 79            |      | P |
| Lead      | ug/L  | 75 - 125               | 2410             |   | 1.00             | U | 2500           | 96            |      | P |
| Magnesium | ug/L  | 75 - 125               | 53400            |   | 9240             |   | 50000          | 88            |      | P |
| Manganese | ug/L  | 75 - 125               | 5390             |   | 621              |   | 5000           | 95            |      | P |
| Nickel    | ug/L  | 75 - 125               | 481              |   | 12.1             |   | 500            | 94            |      | P |
| Potassium | ug/L  | 75 - 125               | 29800            |   | 9030             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 483              |   | 5.00             | U | 500            | 97            |      | P |
| Silver    | ug/L  | 75 - 125               | 82.8             |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 56400            |   | 8060             |   | 50000          | 97            |      | P |
| Thallium  | ug/L  | 75 - 125               | 477              |   | 0.22             | J | 500            | 95            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 458              |   | 0.73             | J | 500            | 91            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4910             |   | 5.06             |   | 5000           | 98            |      | P |

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

|                                   |                                       |                   |                 |                                         |                            |
|-----------------------------------|---------------------------------------|-------------------|-----------------|-----------------------------------------|----------------------------|
| <b>client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q2250</u>               |
| <b>contract:</b>                  | <u>JACO05</u>                         | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q2250</u>               |
| <b>matrix:</b>                    | <u>Water</u>                          | <b>sample id:</b> | <u>Q2234-01</u> | <b>client id:</b>                       | <u>MW-17B-55-060425MSD</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                             | <b>Spiked ID:</b> | <u>Q2234-03</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>                  |

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7550          |   | 68.7             |   | 10000          | 75            |      | P |
| Antimony  | ug/L  | 75 - 125               | 492           |   | 0.39             | J | 500            | 98            |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.92          | J | 0.94             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2650          |   | 461              |   | 2500           | 88            |      | P |
| Beryllium | ug/L  | 75 - 125               | 488           |   | 1.00             | U | 500            | 98            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 480           |   | 1.00             | U | 500            | 96            |      | P |
| Calcium   | ug/L  | 75 - 125               | 76600         |   | 32000            |   | 50000          | 89            |      | P |
| Chromium  | ug/L  | 75 - 125               | 434           |   | 0.21             | J | 500            | 87            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 455           |   | 8.11             |   | 500            | 89            |      | P |
| Copper    | ug/L  | 75 - 125               | 4750          |   | 2.00             | U | 5000           | 95            |      | P |
| Iron      | ug/L  | 75 - 125               | 26600         |   | 6790             |   | 25000          | 79            |      | P |
| Lead      | ug/L  | 75 - 125               | 2390          |   | 1.00             | U | 2500           | 96            |      | P |
| Magnesium | ug/L  | 75 - 125               | 53300         |   | 9240             |   | 50000          | 88            |      | P |
| Manganese | ug/L  | 75 - 125               | 5450          |   | 621              |   | 5000           | 97            |      | P |
| Nickel    | ug/L  | 75 - 125               | 482           |   | 12.1             |   | 500            | 94            |      | P |
| Potassium | ug/L  | 75 - 125               | 29800         |   | 9030             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 484           |   | 5.00             | U | 500            | 97            |      | P |
| Silver    | ug/L  | 75 - 125               | 82.4          |   | 1.00             | U | 500            | 16            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 57000         |   | 8060             |   | 50000          | 98            |      | P |
| Thallium  | ug/L  | 75 - 125               | 487           |   | 0.22             | J | 500            | 97            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 453           |   | 0.73             | J | 500            | 91            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4920          |   | 5.06             |   | 5000           | 98            |      | P |

**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                   |                                       |                   |                 |                                         |                           |
|-----------------------------------|---------------------------------------|-------------------|-----------------|-----------------------------------------|---------------------------|
| <b>client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q2250</u>              |
| <b>contract:</b>                  | <u>JACO05</u>                         | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q2250</u>              |
| <b>matrix:</b>                    | <u>Water</u>                          | <b>sample id:</b> | <u>Q2234-08</u> | <b>client id:</b>                       | <u>MW-17B-55-060425MS</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                             | <b>Spiked ID:</b> | <u>Q2234-09</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>                 |

| Analyte   | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7720             |   | 17.9             | J | 10000          | 77            |      | P |
| Antimony  | ug/L  | 75 - 125               | 509              |   | 0.28             | J | 500            | 102           |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.90             | J | 0.88             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2730             |   | 462              |   | 2500           | 91            |      | P |
| Beryllium | ug/L  | 75 - 125               | 498              |   | 1.00             | U | 500            | 100           |      | P |
| Cadmium   | ug/L  | 75 - 125               | 496              |   | 1.00             | U | 500            | 99            |      | P |
| Calcium   | ug/L  | 75 - 125               | 79400            |   | 34100            |   | 50000          | 91            |      | P |
| Chromium  | ug/L  | 75 - 125               | 454              |   | 2.00             | U | 500            | 91            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 471              |   | 8.20             |   | 500            | 92            |      | P |
| Copper    | ug/L  | 75 - 125               | 4880             |   | 2.00             | U | 5000           | 98            |      | P |
| Iron      | ug/L  | 75 - 125               | 27300            |   | 6980             |   | 25000          | 81            |      | P |
| Lead      | ug/L  | 75 - 125               | 2440             |   | 1.00             | U | 2500           | 98            |      | P |
| Magnesium | ug/L  | 75 - 125               | 55000            |   | 9620             |   | 50000          | 91            |      | P |
| Manganese | ug/L  | 75 - 125               | 5630             |   | 651              |   | 5000           | 100           |      | P |
| Nickel    | ug/L  | 75 - 125               | 496              |   | 11.4             |   | 500            | 97            |      | P |
| Potassium | ug/L  | 75 - 125               | 30300            |   | 8840             |   | 25000          | 86            |      | P |
| Selenium  | ug/L  | 75 - 125               | 493              |   | 5.00             | U | 500            | 99            |      | P |
| Silver    | ug/L  | 75 - 125               | 85.4             |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 58100            |   | 7570             |   | 50000          | 101           |      | P |
| Thallium  | ug/L  | 75 - 125               | 495              |   | 0.23             | J | 500            | 99            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 472              |   | 0.27             | J | 500            | 94            |      | P |
| Zinc      | ug/L  | 75 - 125               | 5070             |   | 4.13             | J | 5000           | 101           |      | P |

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

|                                   |                                       |                   |                 |                                         |                            |
|-----------------------------------|---------------------------------------|-------------------|-----------------|-----------------------------------------|----------------------------|
| <b>client:</b>                    | <u>JACOBS Engineering Group, Inc.</u> | <b>level:</b>     | <u>low</u>      | <b>sdg no.:</b>                         | <u>Q2250</u>               |
| <b>contract:</b>                  | <u>JACO05</u>                         | <b>lab code:</b>  | <u>CHEM</u>     | <b>case no.:</b>                        | <u>Q2250</u>               |
| <b>matrix:</b>                    | <u>Water</u>                          | <b>sample id:</b> | <u>Q2234-08</u> | <b>client id:</b>                       | <u>MW-17B-55-060425MSD</u> |
| <b>Percent Solids for Sample:</b> | <u>NA</u>                             | <b>Spiked ID:</b> | <u>Q2234-10</u> | <b>Percent Solids for Spike Sample:</b> | <u>NA</u>                  |

| Analyte   | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|-----------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|---|
| Aluminum  | ug/L  | 75 - 125               | 7600          |   | 17.9             | J | 10000          | 76            |      | P |
| Antimony  | ug/L  | 75 - 125               | 507           |   | 0.28             | J | 500            | 101           |      | P |
| Arsenic   | ug/L  | 75 - 125               | 0.88          | J | 0.88             | J | 500            | 0             | N    | P |
| Barium    | ug/L  | 75 - 125               | 2750          |   | 462              |   | 2500           | 91            |      | P |
| Beryllium | ug/L  | 75 - 125               | 495           |   | 1.00             | U | 500            | 99            |      | P |
| Cadmium   | ug/L  | 75 - 125               | 491           |   | 1.00             | U | 500            | 98            |      | P |
| Calcium   | ug/L  | 75 - 125               | 80200         |   | 34100            |   | 50000          | 92            |      | P |
| Chromium  | ug/L  | 75 - 125               | 446           |   | 2.00             | U | 500            | 89            |      | P |
| Cobalt    | ug/L  | 75 - 125               | 465           |   | 8.20             |   | 500            | 91            |      | P |
| Copper    | ug/L  | 75 - 125               | 4800          |   | 2.00             | U | 5000           | 96            |      | P |
| Iron      | ug/L  | 75 - 125               | 26900         |   | 6980             |   | 25000          | 80            |      | P |
| Lead      | ug/L  | 75 - 125               | 2420          |   | 1.00             | U | 2500           | 97            |      | P |
| Magnesium | ug/L  | 75 - 125               | 54500         |   | 9620             |   | 50000          | 90            |      | P |
| Manganese | ug/L  | 75 - 125               | 5480          |   | 651              |   | 5000           | 97            |      | P |
| Nickel    | ug/L  | 75 - 125               | 490           |   | 11.4             |   | 500            | 96            |      | P |
| Potassium | ug/L  | 75 - 125               | 29700         |   | 8840             |   | 25000          | 83            |      | P |
| Selenium  | ug/L  | 75 - 125               | 496           |   | 5.00             | U | 500            | 99            |      | P |
| Silver    | ug/L  | 75 - 125               | 85.7          |   | 1.00             | U | 500            | 17            | N    | P |
| Sodium    | ug/L  | 75 - 125               | 57200         |   | 7570             |   | 50000          | 99            |      | P |
| Thallium  | ug/L  | 75 - 125               | 493           |   | 0.23             | J | 500            | 99            |      | P |
| Vanadium  | ug/L  | 75 - 125               | 464           |   | 0.27             | J | 500            | 93            |      | P |
| Zinc      | ug/L  | 75 - 125               | 4940          |   | 4.13             | J | 5000           | 99            |      | P |



**metals**  
**- 5a -**  
**MATRIX SPIKE SUMMARY**

|                                               |                              |                                              |
|-----------------------------------------------|------------------------------|----------------------------------------------|
| <b>client:</b> JACOBS Engineering Group, Inc. | <b>level:</b> low            | <b>sdg no.:</b> Q2250                        |
| <b>contract:</b> JACO05                       | <b>lab code:</b> CHEM        | <b>case no.:</b> Q2250 <b>sas no.:</b> Q2250 |
| <b>matrix:</b> Water                          | <b>sample id:</b> Q2237-02   | <b>client id:</b> TW-WTS-10MS                |
| <b>Percent Solids for Sample:</b> NA          | <b>Spiked ID:</b> Q2237-02MS | <b>Percent Solids for Spike Sample:</b> NA   |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 5.01             |   | 0.20             | U | 4.0            | 125           | N    | CV |

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

|                                               |                               |                                              |
|-----------------------------------------------|-------------------------------|----------------------------------------------|
| <b>client:</b> JACOBS Engineering Group, Inc. | <b>level:</b> low             | <b>sdg no.:</b> Q2250                        |
| <b>contract:</b> JACO05                       | <b>lab code:</b> CHEM         | <b>case no.:</b> Q2250 <b>sas no.:</b> Q2250 |
| <b>matrix:</b> Water                          | <b>sample id:</b> Q2237-02    | <b>client id:</b> TW-WTS-10MSD               |
| <b>Percent Solids for Sample:</b> NA          | <b>Spiked ID:</b> Q2237-02MSD | <b>Percent Solids for Spike Sample:</b> NA   |

| Analyte | Units | Acceptance<br>Limit %R | MSD<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|---------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 5.01          |   | 0.20             | U | 4.0            | 125           | N    | CV |

**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                               |                             |                                              |
|-----------------------------------------------|-----------------------------|----------------------------------------------|
| <b>Client:</b> JACOBS Engineering Group, Inc. | <b>SDG No.:</b> Q2250       |                                              |
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM       | <b>Case No.:</b> Q2250 <b>SAS No.:</b> Q2250 |
| <b>Matrix:</b> Water                          | <b>Level:</b> LOW           | <b>Client ID:</b> MW-17B-55-060425A          |
| <b>Sample ID:</b> Q2234-01                    | <b>Spiked ID:</b> Q2234-01A |                                              |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Arsenic | ug/L  | 75 - 125               | 0.86             | J | 0.94             | J | 500            | 0             | N    | P |
| Silver  | ug/L  | 75 - 125               | 82.0             |   | 1.00             | U | 500            | 16            | N    | P |

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**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                               |                             |                                              |
|-----------------------------------------------|-----------------------------|----------------------------------------------|
| <b>Client:</b> JACOBS Engineering Group, Inc. | <b>SDG No.:</b> Q2250       |                                              |
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM       | <b>Case No.:</b> Q2250 <b>SAS No.:</b> Q2250 |
| <b>Matrix:</b> Water                          | <b>Level:</b> LOW           | <b>Client ID:</b> MW-17B-55-060425A          |
| <b>Sample ID:</b> Q2234-08                    | <b>Spiked ID:</b> Q2234-08A |                                              |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|---|
| Arsenic | ug/L  | 75 - 125               | 0.91             | J | 0.88             | J | 500            | 0             | N    | P |
| Silver  | ug/L  | 75 - 125               | 84.7             |   | 1.00             | U | 500            | 17            | N    | P |

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**Metals**  
**- 5b -**  
**POST DIGEST SPIKE SUMMARY**

|                                               |                             |                                              |
|-----------------------------------------------|-----------------------------|----------------------------------------------|
| <b>Client:</b> JACOBS Engineering Group, Inc. | <b>SDG No.:</b> Q2250       |                                              |
| <b>Contract:</b> JACO05                       | <b>Lab Code:</b> CHEM       | <b>Case No.:</b> Q2250 <b>SAS No.:</b> Q2250 |
| <b>Matrix:</b> Water                          | <b>Level:</b> LOW           | <b>Client ID:</b> TW-WTS-10A                 |
| <b>Sample ID:</b> Q2237-02                    | <b>Spiked ID:</b> Q2237-02A |                                              |

| Analyte | Units | Acceptance<br>Limit %R | Spiked<br>Result | C | Sample<br>Result | C | Spike<br>Added | %<br>Recovery | Qual | M  |
|---------|-------|------------------------|------------------|---|------------------|---|----------------|---------------|------|----|
| Mercury | ug/L  | 75 - 125               | 4.09             |   | 0.20             | U | 4.00           | 102           |      | CV |

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# Metals

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-01 **Client ID:** MW-17B-55-060425DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-01DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 68.7          |   | 61.6             |   | 11  |      | P |
| Antimony  | ug/L  | 20               | 0.39          | J | 0.35             | J | 11  |      | P |
| Arsenic   | ug/L  | 20               | 0.94          | J | 0.69             | J | 31  | *    | P |
| Barium    | ug/L  | 20               | 461           |   | 455              |   | 1   |      | P |
| Beryllium | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Cadmium   | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Calcium   | ug/L  | 20               | 32000         |   | 31900            |   | 0   |      | P |
| Chromium  | ug/L  | 20               | 0.21          | J | 0.23             | J | 9   |      | P |
| Cobalt    | ug/L  | 20               | 8.11          |   | 8.00             |   | 1   |      | P |
| Copper    | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | P |
| Iron      | ug/L  | 20               | 6790          |   | 6740             |   | 1   |      | P |
| Lead      | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Magnesium | ug/L  | 20               | 9240          |   | 8980             |   | 3   |      | P |
| Manganese | ug/L  | 20               | 621           |   | 618              |   | 0   |      | P |
| Nickel    | ug/L  | 20               | 12.1          |   | 11.9             |   | 2   |      | P |
| Potassium | ug/L  | 20               | 9030          |   | 8990             |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 5.00          | U | 5.00             | U |     |      | P |
| Silver    | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Sodium    | ug/L  | 20               | 8060          |   | 7880             |   | 2   |      | P |
| Thallium  | ug/L  | 20               | 0.22          | J | 0.23             | J | 4   |      | P |
| Vanadium  | ug/L  | 20               | 0.73          | J | 0.68             | J | 7   |      | P |
| Zinc      | ug/L  | 20               | 5.06          |   | 5.17             |   | 2   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-02 **Client ID:** MW-17B-55-060425MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-03 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 7550          |   | 7550             |   | 0   |      | P |
| Antimony  | ug/L  | 20               | 492           |   | 492              |   | 0   |      | P |
| Arsenic   | ug/L  | 20               | 0.97          | J | 0.92             | J | 5   |      | P |
| Barium    | ug/L  | 20               | 2620          |   | 2650             |   | 1   |      | P |
| Beryllium | ug/L  | 20               | 494           |   | 488              |   | 1   |      | P |
| Cadmium   | ug/L  | 20               | 478           |   | 480              |   | 0   |      | P |
| Calcium   | ug/L  | 20               | 77700         |   | 76600            |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 442           |   | 434              |   | 2   |      | P |
| Cobalt    | ug/L  | 20               | 471           |   | 455              |   | 3   |      | P |
| Copper    | ug/L  | 20               | 4710          |   | 4750             |   | 1   |      | P |
| Iron      | ug/L  | 20               | 26600         |   | 26600            |   | 0   |      | P |
| Lead      | ug/L  | 20               | 2410          |   | 2390             |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 53400         |   | 53300            |   | 0   |      | P |
| Manganese | ug/L  | 20               | 5390          |   | 5450             |   | 1   |      | P |
| Nickel    | ug/L  | 20               | 481           |   | 482              |   | 0   |      | P |
| Potassium | ug/L  | 20               | 29800         |   | 29800            |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 483           |   | 484              |   | 0   |      | P |
| Silver    | ug/L  | 20               | 82.8          |   | 82.4             |   | 0   |      | P |
| Sodium    | ug/L  | 20               | 56400         |   | 57000            |   | 1   |      | P |
| Thallium  | ug/L  | 20               | 477           |   | 487              |   | 2   |      | P |
| Vanadium  | ug/L  | 20               | 458           |   | 453              |   | 1   |      | P |
| Zinc      | ug/L  | 20               | 4910          |   | 4920             |   | 0   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-08 **Client ID:** MW-17B-55-060425DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-08DUP **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 17.9          | J | 17.4             | J | 3   |      | P |
| Antimony  | ug/L  | 20               | 0.28          | J | 0.29             | J | 4   |      | P |
| Arsenic   | ug/L  | 20               | 0.88          | J | 0.88             | J | 0   |      | P |
| Barium    | ug/L  | 20               | 462           |   | 471              |   | 2   |      | P |
| Beryllium | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Cadmium   | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Calcium   | ug/L  | 20               | 34100         |   | 35000            |   | 3   |      | P |
| Chromium  | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | P |
| Cobalt    | ug/L  | 20               | 8.20          |   | 8.24             |   | 0   |      | P |
| Copper    | ug/L  | 20               | 2.00          | U | 2.00             | U |     |      | P |
| Iron      | ug/L  | 20               | 6980          |   | 7010             |   | 0   |      | P |
| Lead      | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Magnesium | ug/L  | 20               | 9620          |   | 9680             |   | 1   |      | P |
| Manganese | ug/L  | 20               | 651           |   | 653              |   | 0   |      | P |
| Nickel    | ug/L  | 20               | 11.4          |   | 11.8             |   | 3   |      | P |
| Potassium | ug/L  | 20               | 8840          |   | 8810             |   | 0   |      | P |
| Selenium  | ug/L  | 20               | 5.00          | U | 5.00             | U |     |      | P |
| Silver    | ug/L  | 20               | 1.00          | U | 1.00             | U |     |      | P |
| Sodium    | ug/L  | 20               | 7570          |   | 7800             |   | 3   |      | P |
| Thallium  | ug/L  | 20               | 0.23          | J | 0.22             | J | 4   |      | P |
| Vanadium  | ug/L  | 20               | 0.27          | J | 0.26             | J | 4   |      | P |
| Zinc      | ug/L  | 20               | 4.13          | J | 4.18             | J | 1   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”



# Metals

- 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2234-09 **Client ID:** MW-17B-55-060425MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2234-10 **Percent Solids for Spike Sample:** NA

| Analyte   | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|-----------|-------|------------------|---------------|---|------------------|---|-----|------|---|
| Aluminum  | ug/L  | 20               | 7720          |   | 7600             |   | 2   |      | P |
| Antimony  | ug/L  | 20               | 509           |   | 507              |   | 0   |      | P |
| Arsenic   | ug/L  | 20               | 0.90          | J | 0.88             | J | 2   |      | P |
| Barium    | ug/L  | 20               | 2730          |   | 2750             |   | 1   |      | P |
| Beryllium | ug/L  | 20               | 498           |   | 495              |   | 1   |      | P |
| Cadmium   | ug/L  | 20               | 496           |   | 491              |   | 1   |      | P |
| Calcium   | ug/L  | 20               | 79400         |   | 80200            |   | 1   |      | P |
| Chromium  | ug/L  | 20               | 454           |   | 446              |   | 2   |      | P |
| Cobalt    | ug/L  | 20               | 471           |   | 465              |   | 1   |      | P |
| Copper    | ug/L  | 20               | 4880          |   | 4800             |   | 2   |      | P |
| Iron      | ug/L  | 20               | 27300         |   | 26900            |   | 1   |      | P |
| Lead      | ug/L  | 20               | 2440          |   | 2420             |   | 1   |      | P |
| Magnesium | ug/L  | 20               | 55000         |   | 54500            |   | 1   |      | P |
| Manganese | ug/L  | 20               | 5630          |   | 5480             |   | 3   |      | P |
| Nickel    | ug/L  | 20               | 496           |   | 490              |   | 1   |      | P |
| Potassium | ug/L  | 20               | 30300         |   | 29700            |   | 2   |      | P |
| Selenium  | ug/L  | 20               | 493           |   | 496              |   | 1   |      | P |
| Silver    | ug/L  | 20               | 85.4          |   | 85.7             |   | 0   |      | P |
| Sodium    | ug/L  | 20               | 58100         |   | 57200            |   | 2   |      | P |
| Thallium  | ug/L  | 20               | 495           |   | 493              |   | 0   |      | P |
| Vanadium  | ug/L  | 20               | 472           |   | 464              |   | 2   |      | P |
| Zinc      | ug/L  | 20               | 5070          |   | 4940             |   | 3   |      | P |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2237-02 **Client ID:** TW-WTS-10DUP  
**Percent Solids for Sample:** NA **Duplicate ID** Q2237-02DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 0.20          | U | 0.20             | U |     |      | CV |

“A control limit of  $\pm 20\%$  RPD for each matrix applies for sample values greater than 10 times Detection Limit”

**Metals**

- 6 -

**DUPLICATE SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250  
**Matrix:** Water **Sample ID:** Q2237-02MS **Client ID:** TW-WTS-10MSD  
**Percent Solids for Sample:** NA **Duplicate ID** Q2237-02MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M  |
|---------|-------|------------------|---------------|---|------------------|---|-----|------|----|
| Mercury | ug/L  | 20               | 5.01          |   | 5.01             |   | 0   |      | CV |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Case No.:** Q2250 **SAS No.:** Q2250

| Analyte    | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M |
|------------|-------|------------|--------|---|---------------|----------------------|---|
| PB168360BS |       |            |        |   |               |                      |   |
| Aluminum   | ug/L  | 10000      | 8600   |   | 86            | 80 - 120             | P |
| Antimony   | ug/L  | 500        | 513    |   | 103           | 80 - 120             | P |
| Arsenic    | ug/L  | 500        | 502    |   | 100           | 80 - 120             | P |
| Barium     | ug/L  | 2500       | 2530   |   | 101           | 80 - 120             | P |
| Beryllium  | ug/L  | 500        | 504    |   | 101           | 80 - 120             | P |
| Cadmium    | ug/L  | 500        | 509    |   | 102           | 80 - 120             | P |
| Calcium    | ug/L  | 50000      | 49300  |   | 99            | 80 - 120             | P |
| Chromium   | ug/L  | 500        | 471    |   | 94            | 80 - 120             | P |
| Cobalt     | ug/L  | 500        | 471    |   | 94            | 80 - 120             | P |
| Copper     | ug/L  | 5000       | 5030   |   | 101           | 80 - 120             | P |
| Iron       | ug/L  | 25000      | 23800  |   | 95            | 80 - 120             | P |
| Lead       | ug/L  | 2500       | 2540   |   | 102           | 80 - 120             | P |
| Magnesium  | ug/L  | 50000      | 47800  |   | 96            | 80 - 120             | P |
| Manganese  | ug/L  | 5000       | 5050   |   | 101           | 80 - 120             | P |
| Nickel     | ug/L  | 500        | 501    |   | 100           | 80 - 120             | P |
| Potassium  | ug/L  | 25000      | 25000  |   | 100           | 80 - 120             | P |
| Selenium   | ug/L  | 500        | 496    |   | 99            | 80 - 120             | P |
| Silver     | ug/L  | 500        | 493    |   | 99            | 80 - 120             | P |
| Sodium     | ug/L  | 50000      | 51800  |   | 104           | 80 - 120             | P |
| Thallium   | ug/L  | 500        | 502    |   | 100           | 80 - 120             | P |
| Vanadium   | ug/L  | 500        | 469    |   | 94            | 80 - 120             | P |
| Zinc       | ug/L  | 5000       | 5090   |   | 102           | 80 - 120             | P |

**Metals**

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**LABORATORY CONTROL SAMPLE SUMMARY**

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Contract:** JACO05

**Lab Code:** CHEM

**Case No.:** Q2250

**SAS No.:** Q2250

| Analyte               | Units | True Value | Result | C | %<br>Recovery | Acceptance<br>Limits | M  |
|-----------------------|-------|------------|--------|---|---------------|----------------------|----|
| PB168379BS<br>Mercury | ug/L  | 4.0        | 4.27   |   | 107           | 80 - 120             | CV |

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab SampleID | Client SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|--------------|-----------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|              |                 |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| S0           | S0              | 1800 | 100                                           |   | 100             |   | 100            |   | 100              |   | 100              |   |
| S2           | S2              | 1807 | 100                                           |   | 104             |   | 100            |   | 100              |   | 101              |   |
| S3           | S3              | 1814 | 104                                           |   | 105             |   | 103            |   | 104              |   | 103              |   |
| S4           | S4              | 1818 | 103                                           |   | 105             |   | 103            |   | 102              |   | 103              |   |
| S5           | S5              | 1821 | 103                                           |   | 103             |   | 101            |   | 99               |   | 102              |   |
| S6           | S6              | 1824 | 102                                           |   | 101             |   | 103            |   | 101              |   | 107              |   |
| S7           | S7              | 1827 | 100                                           |   | 101             |   | 103            |   | 99               |   | 107              |   |
| S8           | S8              | 1830 | 101                                           |   | 105             |   | 103            |   | 96               |   | 104              |   |
| ICV01        | ICV01           | 1848 | 97                                            |   | 103             |   | 103            |   | 103              |   | 104              |   |
| LLICV01      | LLICV01         | 1900 | 96                                            |   | 105             |   | 104            |   | 103              |   | 102              |   |
| ICB01        | ICB01           | 1907 | 96                                            |   | 103             |   | 104            |   | 102              |   | 103              |   |
| ICSA01       | ICSA01          | 1910 | 97                                            |   | 104             |   | 103            |   | 101              |   | 107              |   |
| ICSAB01      | ICSAB01         | 1913 | 96                                            |   | 103             |   | 105            |   | 101              |   | 110              |   |
| CCV01        | CCV01           | 1929 | 93                                            |   | 102             |   | 103            |   | 98               |   | 104              |   |
| CCB01        | CCB01           | 1935 | 97                                            |   | 104             |   | 105            |   | 103              |   | 105              |   |
| CRI          | CRI             | 1939 | 97                                            |   | 103             |   | 104            |   | 103              |   | 105              |   |
| ZZZZZZ       | ZZZZZZ          | 1942 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ       | ZZZZZZ          | 1948 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV02        | CCV02           | 1952 | 103                                           |   | 109             |   | 108            |   | 102              |   | 110              |   |
| CCB02        | CCB02           | 1958 | 99                                            |   | 104             |   | 106            |   | 104              |   | 106              |   |
| PB168360BL   | PB168360BL      | 2002 | 99                                            |   | 104             |   | 106            |   | 105              |   | 108              |   |
| PB168360BS   | PB168360BS      | 2005 | 100                                           |   | 107             |   | 108            |   | 104              |   | 110              |   |
| ZZZZZZ       | ZZZZZZ          | 2009 |                                               |   |                 |   |                |   |                  |   |                  |   |
| Q2234-01DUP  | MW-17B-55-0     | 2012 | 104                                           |   | 118             |   | 119            |   | 118              |   | 121              |   |
| Q2234-01L    | MW-17B-55-0     | 2016 | 96                                            |   | 109             |   | 110            |   | 109              |   | 112              |   |
| Q2234-02     | MW-17B-55-0     | 2019 | 104                                           |   | 120             |   | 120            |   | 114              |   | 122              |   |
| Q2234-03     | MW-17B-55-0     | 2022 | 104                                           |   | 117             |   | 119            |   | 117              |   | 121              |   |
| Q2234-01A    | MW-17B-55-0     | 2025 | 103                                           |   | 118             |   | 120            |   | 115              |   | 122              |   |
| ZZZZZZ       | ZZZZZZ          | 2028 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ       | ZZZZZZ          | 2031 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV03        | CCV03           | 2035 | 95                                            |   | 107             |   | 110            |   | 102              |   | 113              |   |
| CCB03        | CCB03           | 2041 | 95                                            |   | 103             |   | 106            |   | 105              |   | 108              |   |
| ZZZZZZ       | ZZZZZZ          | 2044 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ       | ZZZZZZ          | 2047 |                                               |   |                 |   |                |   |                  |   |                  |   |
| Q2234-08DUP  | MW-17B-55-0     | 2051 | 105                                           |   | 119             |   | 121            |   | 117              |   | 122              |   |
| Q2234-08L    | MW-17B-55-0     | 2054 | 93                                            |   | 108             |   | 110            |   | 108              |   | 112              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                 |   |                |   |                  |   |                  |   |
|-----------------|--------------------|------|-----------------------------------------------|---|-----------------|---|----------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>6Li                                | Q | Element<br>45Sc | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q |
| Q2234-09        | MW-17B-55-0        | 2057 | 105                                           |   | 121             |   | 121            |   | 117              |   | 122              |   |
| Q2234-10        | MW-17B-55-0        | 2100 | 104                                           |   | 117             |   | 120            |   | 114              |   | 121              |   |
| Q2234-08A       | MW-17B-55-0        | 2103 | 104                                           |   | 117             |   | 122            |   | 117              |   | 124              |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                               |   |                 |   |                |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                               |   |                 |   |                |   |                  |   |                  |   |
| CCV04           | CCV04              | 2116 | 93                                            |   | 108             |   | 112            |   | 104              |   | 115              |   |
| CCB04           | CCB04              | 2123 | 93                                            |   | 107             |   | 109            |   | 108              |   | 110              |   |
| Q2250-05        | EB02-060525        | 2127 | 103                                           |   | 120             |   | 122            |   | 123              |   | 126              |   |
| Q2250-07        | EB02-060525        | 2130 | 101                                           |   | 118             |   | 121            |   | 119              |   | 124              |   |
| CCV05           | CCV05              | 2134 | 93                                            |   | 109             |   | 108            |   | 102              |   | 111              |   |
| CCB05           | CCB05              | 2145 | 91                                            |   | 106             |   | 109            |   | 107              |   | 110              |   |

Internal Standard %RI Limit: 70 - 130

## FORM 8A

## ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|-----------------|--------------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| S0              | S0                 | 1800 | 100                                       |   | 100            |   | 100              |   | 100              |   | 100              |   |
| S2              | S2                 | 1807 | 101                                       |   | 100            |   | 100              |   | 99               |   | 101              |   |
| S3              | S3                 | 1814 | 103                                       |   | 102            |   | 102              |   | 105              |   | 104              |   |
| S4              | S4                 | 1818 | 100                                       |   | 100            |   | 100              |   | 103              |   | 101              |   |
| S5              | S5                 | 1821 | 100                                       |   | 100            |   | 99               |   | 103              |   | 104              |   |
| S6              | S6                 | 1824 | 102                                       |   | 100            |   | 99               |   | 104              |   | 103              |   |
| S7              | S7                 | 1827 | 102                                       |   | 103            |   | 100              |   | 106              |   | 107              |   |
| S8              | S8                 | 1830 | 103                                       |   | 102            |   | 95               |   | 105              |   | 105              |   |
| ICV01           | ICV01              | 1848 | 102                                       |   | 103            |   | 103              |   | 105              |   | 105              |   |
| LLICV01         | LLICV01            | 1900 | 101                                       |   | 103            |   | 103              |   | 105              |   | 104              |   |
| ICB01           | ICB01              | 1907 | 101                                       |   | 102            |   | 103              |   | 104              |   | 105              |   |
| ICSA01          | ICSA01             | 1910 | 101                                       |   | 102            |   | 100              |   | 105              |   | 106              |   |
| ICSAB01         | ICSAB01            | 1913 | 101                                       |   | 102            |   | 100              |   | 106              |   | 106              |   |
| CCV01           | CCV01              | 1929 | 104                                       |   | 104            |   | 98               |   | 106              |   | 106              |   |
| CCB01           | CCB01              | 1935 | 101                                       |   | 103            |   | 103              |   | 104              |   | 105              |   |
| CRI             | CRI                | 1939 | 100                                       |   | 103            |   | 103              |   | 104              |   | 104              |   |
| ZZZZZZ          | ZZZZZZ             | 1942 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 1948 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV02           | CCV02              | 1952 | 106                                       |   | 107            |   | 100              |   | 107              |   | 109              |   |
| CCB02           | CCB02              | 1958 | 103                                       |   | 104            |   | 104              |   | 105              |   | 105              |   |
| PB168360BL      | PB168360BL         | 2002 | 102                                       |   | 104            |   | 104              |   | 105              |   | 106              |   |
| PB168360BS      | PB168360BS         | 2005 | 105                                       |   | 105            |   | 103              |   | 109              |   | 109              |   |
| ZZZZZZ          | ZZZZZZ             | 2009 |                                           |   |                |   |                  |   |                  |   |                  |   |
| Q2234-01DUP     | MW-17B-55-0        | 2012 | 114                                       |   | 116            |   | 115              |   | 117              |   | 118              |   |
| Q2234-01L       | MW-17B-55-0        | 2016 | 105                                       |   | 108            |   | 107              |   | 108              |   | 109              |   |
| Q2234-02        | MW-17B-55-0        | 2019 | 114                                       |   | 114            |   | 112              |   | 117              |   | 117              |   |
| Q2234-03        | MW-17B-55-0        | 2022 | 113                                       |   | 115            |   | 112              |   | 117              |   | 116              |   |
| Q2234-01A       | MW-17B-55-0        | 2025 | 114                                       |   | 115            |   | 113              |   | 118              |   | 118              |   |
| ZZZZZZ          | ZZZZZZ             | 2028 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2031 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV03           | CCV03              | 2035 | 105                                       |   | 106            |   | 100              |   | 108              |   | 109              |   |
| CCB03           | CCB03              | 2041 | 102                                       |   | 104            |   | 103              |   | 105              |   | 106              |   |
| ZZZZZZ          | ZZZZZZ             | 2044 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2047 |                                           |   |                |   |                  |   |                  |   |                  |   |
| Q2234-08DUP     | MW-17B-55-0        | 2051 | 114                                       |   | 117            |   | 115              |   | 119              |   | 120              |   |
| Q2234-08L       | MW-17B-55-0        | 2054 | 105                                       |   | 109            |   | 108              |   | 110              |   | 110              |   |

Internal Standard %RI Limit: 70 - 130



FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |                |   |                  |   |                  |   |                  |   |
|-----------------|--------------------|------|-------------------------------------------|---|----------------|---|------------------|---|------------------|---|------------------|---|
|                 |                    |      | Element<br>45Sc                           | Q | Element<br>89Y | Q | Element<br>103Rh | Q | Element<br>159Tb | Q | Element<br>165Ho | Q |
| Q2234-09        | MW-17B-55-0        | 2057 | 113                                       |   | 116            |   | 113              |   | 119              |   | 119              |   |
| Q2234-10        | MW-17B-55-0        | 2100 | 115                                       |   | 115            |   | 113              |   | 118              |   | 118              |   |
| Q2234-08A       | MW-17B-55-0        | 2103 | 115                                       |   | 116            |   | 113              |   | 119              |   | 118              |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                           |   |                |   |                  |   |                  |   |                  |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                           |   |                |   |                  |   |                  |   |                  |   |
| CCV04           | CCV04              | 2116 | 106                                       |   | 109            |   | 103              |   | 109              |   | 111              |   |
| CCB04           | CCB04              | 2123 | 105                                       |   | 106            |   | 107              |   | 110              |   | 110              |   |
| Q2250-05        | EB02-060525        | 2127 | 115                                       |   | 119            |   | 118              |   | 118              |   | 121              |   |
| Q2250-07        | EB02-060525        | 2130 | 113                                       |   | 118            |   | 116              |   | 117              |   | 120              |   |
| CCV05           | CCV05              | 2134 | 106                                       |   | 109            |   | 102              |   | 109              |   | 111              |   |
| CCB05           | CCB05              | 2145 | 104                                       |   | 107            |   | 106              |   | 109              |   | 108              |   |

Internal Standard %RI Limit: 70 - 130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1800 | 100                                           |   | 100              |   |         |   |         |   |         |   |
| S2              | S2                 | 1807 | 99                                            |   | 101              |   |         |   |         |   |         |   |
| S3              | S3                 | 1814 | 103                                           |   | 105              |   |         |   |         |   |         |   |
| S4              | S4                 | 1818 | 102                                           |   | 105              |   |         |   |         |   |         |   |
| S5              | S5                 | 1821 | 105                                           |   | 105              |   |         |   |         |   |         |   |
| S6              | S6                 | 1824 | 105                                           |   | 106              |   |         |   |         |   |         |   |
| S7              | S7                 | 1827 | 106                                           |   | 105              |   |         |   |         |   |         |   |
| S8              | S8                 | 1830 | 105                                           |   | 98               |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1848 | 103                                           |   | 104              |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1900 | 105                                           |   | 104              |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1907 | 101                                           |   | 103              |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1910 | 105                                           |   | 103              |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1913 | 108                                           |   | 106              |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1929 | 104                                           |   | 99               |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1935 | 105                                           |   | 104              |   |         |   |         |   |         |   |
| CRI             | CRI                | 1939 | 105                                           |   | 104              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1942 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1948 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1952 | 111                                           |   | 104              |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1958 | 106                                           |   | 104              |   |         |   |         |   |         |   |
| PB168360BL      | PB168360BL         | 2002 | 109                                           |   | 107              |   |         |   |         |   |         |   |
| PB168360BS      | PB168360BS         | 2005 | 109                                           |   | 107              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2009 |                                               |   |                  |   |         |   |         |   |         |   |
| Q2234-01DUP     | MW-17B-55-06       | 2012 | 119                                           |   | 117              |   |         |   |         |   |         |   |
| Q2234-01L       | MW-17B-55-06       | 2016 | 110                                           |   | 110              |   |         |   |         |   |         |   |
| Q2234-02        | MW-17B-55-06       | 2019 | 122                                           |   | 117              |   |         |   |         |   |         |   |
| Q2234-03        | MW-17B-55-06       | 2022 | 123                                           |   | 117              |   |         |   |         |   |         |   |
| Q2234-01A       | MW-17B-55-06       | 2025 | 120                                           |   | 118              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2028 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2031 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 2035 | 112                                           |   | 105              |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 2041 | 108                                           |   | 107              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2044 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2047 |                                               |   |                  |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JACO05

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Non-Collision Cell |   |                  |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-----------------------------------------------|---|------------------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>165Ho                              | Q | Element<br>209Bi | Q | Element | Q | Element | Q | Element | Q |
| Q2234-08DUP     | MW-17B-55-06       | 2051 | 123                                           |   | 121              |   |         |   |         |   |         |   |
| Q2234-08L       | MW-17B-55-06       | 2054 | 111                                           |   | 110              |   |         |   |         |   |         |   |
| Q2234-09        | MW-17B-55-06       | 2057 | 124                                           |   | 120              |   |         |   |         |   |         |   |
| Q2234-10        | MW-17B-55-06       | 2100 | 122                                           |   | 119              |   |         |   |         |   |         |   |
| Q2234-08A       | MW-17B-55-06       | 2103 | 123                                           |   | 120              |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                               |   |                  |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                               |   |                  |   |         |   |         |   |         |   |
| CCV04           | CCV04              | 2116 | 114                                           |   | 106              |   |         |   |         |   |         |   |
| CCB04           | CCB04              | 2123 | 110                                           |   | 109              |   |         |   |         |   |         |   |
| Q2250-05        | EB02-060525        | 2127 | 125                                           |   | 124              |   |         |   |         |   |         |   |
| Q2250-07        | EB02-060525        | 2130 | 122                                           |   | 121              |   |         |   |         |   |         |   |
| CCV05           | CCV05              | 2134 | 113                                           |   | 104              |   |         |   |         |   |         |   |
| CCB05           | CCB05              | 2145 | 110                                           |   | 107              |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| S0              | S0                 | 1800 | 100                                       |   |         |   |         |   |         |   |         |   |
| S2              | S2                 | 1807 | 100                                       |   |         |   |         |   |         |   |         |   |
| S3              | S3                 | 1814 | 103                                       |   |         |   |         |   |         |   |         |   |
| S4              | S4                 | 1818 | 103                                       |   |         |   |         |   |         |   |         |   |
| S5              | S5                 | 1821 | 103                                       |   |         |   |         |   |         |   |         |   |
| S6              | S6                 | 1824 | 102                                       |   |         |   |         |   |         |   |         |   |
| S7              | S7                 | 1827 | 103                                       |   |         |   |         |   |         |   |         |   |
| S8              | S8                 | 1830 | 95                                        |   |         |   |         |   |         |   |         |   |
| ICV01           | ICV01              | 1848 | 104                                       |   |         |   |         |   |         |   |         |   |
| LLICV01         | LLICV01            | 1900 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICB01           | ICB01              | 1907 | 103                                       |   |         |   |         |   |         |   |         |   |
| ICSA01          | ICSA01             | 1910 | 102                                       |   |         |   |         |   |         |   |         |   |
| ICSAB01         | ICSAB01            | 1913 | 103                                       |   |         |   |         |   |         |   |         |   |
| CCV01           | CCV01              | 1929 | 98                                        |   |         |   |         |   |         |   |         |   |
| CCB01           | CCB01              | 1935 | 103                                       |   |         |   |         |   |         |   |         |   |
| CRI             | CRI                | 1939 | 103                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1942 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 1948 |                                           |   |         |   |         |   |         |   |         |   |
| CCV02           | CCV02              | 1952 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCB02           | CCB02              | 1958 | 104                                       |   |         |   |         |   |         |   |         |   |
| PB168360BL      | PB168360BL         | 2002 | 105                                       |   |         |   |         |   |         |   |         |   |
| PB168360BS      | PB168360BS         | 2005 | 104                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2009 |                                           |   |         |   |         |   |         |   |         |   |
| Q2234-01DUP     | MW-17B-55-06       | 2012 | 115                                       |   |         |   |         |   |         |   |         |   |
| Q2234-01L       | MW-17B-55-06       | 2016 | 108                                       |   |         |   |         |   |         |   |         |   |
| Q2234-02        | MW-17B-55-06       | 2019 | 113                                       |   |         |   |         |   |         |   |         |   |
| Q2234-03        | MW-17B-55-06       | 2022 | 114                                       |   |         |   |         |   |         |   |         |   |
| Q2234-01A       | MW-17B-55-06       | 2025 | 114                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2028 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2031 |                                           |   |         |   |         |   |         |   |         |   |
| CCV03           | CCV03              | 2035 | 100                                       |   |         |   |         |   |         |   |         |   |
| CCB03           | CCB03              | 2041 | 105                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2044 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2047 |                                           |   |         |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Lab Name: JACOBS Engineering Group, Inc.

Contract: JAC005

Lab Code: CHEM Case no.: Q2250

Sas No.: Q2250 SDG No.: Q2250

Instrument ID: P7

Start Date : 06/11/2025

Run Number: LB136121

End Date : 06/11/2025

| Lab<br>SampleID | Client<br>SampleID | Time | Internal Standard %RI For: Collision Cell |   |         |   |         |   |         |   |         |   |
|-----------------|--------------------|------|-------------------------------------------|---|---------|---|---------|---|---------|---|---------|---|
|                 |                    |      | Element<br>209Bi                          | Q | Element | Q | Element | Q | Element | Q | Element | Q |
| Q2234-08DUP     | MW-17B-55-06       | 2051 | 117                                       |   |         |   |         |   |         |   |         |   |
| Q2234-08L       | MW-17B-55-06       | 2054 | 109                                       |   |         |   |         |   |         |   |         |   |
| Q2234-09        | MW-17B-55-06       | 2057 | 115                                       |   |         |   |         |   |         |   |         |   |
| Q2234-10        | MW-17B-55-06       | 2100 | 115                                       |   |         |   |         |   |         |   |         |   |
| Q2234-08A       | MW-17B-55-06       | 2103 | 114                                       |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2106 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2110 |                                           |   |         |   |         |   |         |   |         |   |
| ZZZZZZ          | ZZZZZZ             | 2113 |                                           |   |         |   |         |   |         |   |         |   |
| CCV04           | CCV04              | 2116 | 103                                       |   |         |   |         |   |         |   |         |   |
| CCB04           | CCB04              | 2123 | 107                                       |   |         |   |         |   |         |   |         |   |
| Q2250-05        | EB02-060525        | 2127 | 118                                       |   |         |   |         |   |         |   |         |   |
| Q2250-07        | EB02-060525        | 2130 | 116                                       |   |         |   |         |   |         |   |         |   |
| CCV05           | CCV05              | 2134 | 101                                       |   |         |   |         |   |         |   |         |   |
| CCB05           | CCB05              | 2145 | 107                                       |   |         |   |         |   |         |   |         |   |

Internal Standard %RI Limit: 70 -130

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

MW-17B-55-060425L

**Lab Name:** Chemtech Consulting Group

**Contract:** JAC005

**Lab Code:** CHEM **Lb No.:** lb136121 **Lab Sample ID :** Q2234-01L **SDG No.:** Q2250

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

**Concentration Units:** ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Differ-<br>ence | Q | M |
|-----------|---------------------------|---|----------------------------|---|-------------------|---|---|
|           |                           | C |                            | C |                   |   |   |
| Aluminum  | 68.7                      |   | 59.1                       | J | 14                |   | P |
| Antimony  | 0.39                      | J | 10.0                       | U | 100.0             |   | P |
| Arsenic   | 0.94                      | J | 0.80                       | J | 15                |   | P |
| Barium    | 461                       |   | 447                        |   | 3                 |   | P |
| Beryllium | 1.00                      | U | 5.00                       | U |                   |   | P |
| Cadmium   | 1.00                      | U | 5.00                       | U |                   |   | P |
| Calcium   | 32000                     |   | 29700                      |   | 7                 |   | P |
| Chromium  | 0.21                      | J | 10.0                       | U | 100.0             |   | P |
| Cobalt    | 8.11                      |   | 7.95                       |   | 2                 |   | P |
| Copper    | 2.00                      | U | 10.0                       | U |                   |   | P |
| Iron      | 6790                      |   | 6620                       |   | 3                 |   | P |
| Lead      | 1.00                      | U | 5.00                       | U |                   |   | P |
| Magnesium | 9240                      |   | 8020                       |   | 13                |   | P |
| Manganese | 621                       |   | 614                        |   | 1                 |   | P |
| Nickel    | 12.1                      |   | 11.5                       |   | 5                 |   | P |
| Potassium | 9030                      |   | 8340                       |   | 8                 |   | P |
| Selenium  | 5.00                      | U | 25.0                       | U |                   |   | P |
| Silver    | 1.00                      | U | 5.00                       | U |                   |   | P |
| Sodium    | 8060                      |   | 7030                       |   | 13                |   | P |
| Thallium  | 0.22                      | J | 5.00                       | U | 100.0             |   | P |
| Vanadium  | 0.73                      | J | 0.60                       | J | 18                |   | P |
| Zinc      | 5.06                      |   | 25.0                       | U | 100.0             |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

MW-17B-55-060425L

**Lab Name:** Chemtech Consulting Group

**Contract:** JACO05

**Lab Code:** CHEM **Lb No.:** lb136121

**Lab Sample ID :** Q2234-08L

**SDG No.:** Q2250

**Matrix (soil/water):** Water

**Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte   | Initial Sample Result (I) |   | Serial Dilution Result (S) |   | % Difference | Q | M |
|-----------|---------------------------|---|----------------------------|---|--------------|---|---|
|           |                           | C |                            | C |              |   |   |
| Aluminum  | 17.9                      | J | 22.6                       | J | 26           |   | P |
| Antimony  | 0.28                      | J | 10.0                       | U | 100.0        |   | P |
| Arsenic   | 0.88                      | J | 0.85                       | J | 3            |   | P |
| Barium    | 462                       |   | 457                        |   | 1            |   | P |
| Beryllium | 1.00                      | U | 5.00                       | U |              |   | P |
| Cadmium   | 1.00                      | U | 5.00                       | U |              |   | P |
| Calcium   | 34100                     |   | 34200                      |   | 1            |   | P |
| Chromium  | 2.00                      | U | 10.0                       | U |              |   | P |
| Cobalt    | 8.20                      |   | 8.10                       |   | 1            |   | P |
| Copper    | 2.00                      | U | 10.0                       | U |              |   | P |
| Iron      | 6980                      |   | 6960                       |   | 0            |   | P |
| Lead      | 1.00                      | U | 5.00                       | U |              |   | P |
| Magnesium | 9620                      |   | 8770                       |   | 9            |   | P |
| Manganese | 651                       |   | 649                        |   | 0            |   | P |
| Nickel    | 11.4                      |   | 11.7                       |   | 3            |   | P |
| Potassium | 8840                      |   | 8170                       |   | 8            |   | P |
| Selenium  | 5.00                      | U | 25.0                       | U |              |   | P |
| Silver    | 1.00                      | U | 5.00                       | U |              |   | P |
| Sodium    | 7570                      |   | 6800                       |   | 10           |   | P |
| Thallium  | 0.23                      | J | 0.30                       | J | 30           |   | P |
| Vanadium  | 0.27                      | J | 25.0                       | U | 100.0        |   | P |
| Zinc      | 4.13                      | J | 25.0                       | U | 100.0        |   | P |

**Metals**  
**-9 -**  
**ICP SERIAL DILUTIONS**

**SAMPLE NO.**

TW-WTS-10L

**Lab Name:** Chemtech Consulting Group **Contract:** JACO05  
**Lab Code:** CHEM **Lb No.:** lb136079 **Lab Sample ID :** Q2237-02L **SDG No.:** Q2250  
**Matrix (soil/water):** Water **Level (low/med):** LOW  
**Concentration Units:** ug/L

| Analyte | Initial Sample<br>Result (I)<br>C | Serial Dilution<br>Result (S)<br>C | % Differ-<br>ence | Q | M  |
|---------|-----------------------------------|------------------------------------|-------------------|---|----|
| Mercury | 0.20 U                            | 1.00 U                             |                   |   | CV |



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

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** CHEM **Case no.:** Q2250 **Sas no.:** Q2250

**Sdg no.:** Q2250

**Instrument id number:** **Method:**

**Run number:** LB136079

**Start date:** 06/10/2025 **End date:** 06/10/2025

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|----------------|------------------|-----|------|----------------|
| S0             | S0               | 1   | 1008 | HG             |
| S0.2           | S0.2             | 1   | 1010 | HG             |
| S2.5           | S2.5             | 1   | 1013 | HG             |
| S5             | S5               | 1   | 1015 | HG             |
| S7.5           | S7.5             | 1   | 1020 | HG             |
| S10            | S10              | 1   | 1030 | HG             |
| ICV31          | ICV31            | 1   | 1039 | HG             |
| ICB31          | ICB31            | 1   | 1041 | HG             |
| CCV17          | CCV17            | 1   | 1043 | HG             |
| CCB17          | CCB17            | 1   | 1048 | HG             |
| CRA            | CRA              | 1   | 1056 | HG             |
| CCV18          | CCV18            | 1   | 1132 | HG             |
| CCB18          | CCB18            | 1   | 1137 | HG             |
| CCV19          | CCV19            | 1   | 1212 | HG             |
| CCB19          | CCB19            | 1   | 1214 | HG             |
| CCV20          | CCV20            | 1   | 1257 | HG             |
| CCB20          | CCB20            | 1   | 1259 | HG             |
| PB168379BL     | PB168379BL       | 1   | 1313 | HG             |
| PB168379BS     | PB168379BS       | 1   | 1318 | HG             |
| Q2237-02DUP    | TW-WTS-10DUP     | 1   | 1323 | HG             |
| Q2237-02MS     | TW-WTS-10MS      | 1   | 1325 | HG             |
| CCV21          | CCV21            | 1   | 1330 | HG             |
| CCB21          | CCB21            | 1   | 1332 | HG             |
| Q2237-02MSD    | TW-WTS-10MSD     | 1   | 1335 | HG             |
| Q2250-05       | EB02-060525      | 1   | 1337 | HG             |
| Q2237-02L      | TW-WTS-10L       | 5   | 1400 | HG             |
| Q2237-02A      | TW-WTS-10A       | 1   | 1405 | HG             |
| CCV22          | CCV22            | 1   | 1428 | HG             |
| CCB22          | CCB22            | 1   | 1430 | HG             |

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

**Client:** JACOBS Engineering Group, Inc.

**Contract:** JACO05

**Lab code:** CHEM

**Case no.:** Q2250

**Sas no.:** Q2250

**Sdg no.:** Q2250

**Instrument id number:**
**Method:**
**Run number:** LB136121

**Start date:** 06/11/2025

**End date:** 06/11/2025

| Lab sample id. | Client Sample Id    | d/f | Time | Parameter list                                                  |
|----------------|---------------------|-----|------|-----------------------------------------------------------------|
| S0             | S0                  | 1   | 1800 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S2             | S2                  | 1   | 1807 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S3             | S3                  | 1   | 1814 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S4             | S4                  | 1   | 1818 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S5             | S5                  | 1   | 1821 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S6             | S6                  | 1   | 1824 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S7             | S7                  | 1   | 1827 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| S8             | S8                  | 1   | 1830 | Fe,Al,Ca,K,Mg,Na                                                |
| ICV01          | ICV01               | 1   | 1848 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| LLICV01        | LLICV01             | 1   | 1900 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICB01          | ICB01               | 1   | 1907 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSA01         | ICSA01              | 1   | 1910 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| ICSAB01        | ICSAB01             | 1   | 1913 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV01          | CCV01               | 1   | 1929 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB01          | CCB01               | 1   | 1935 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CRI            | CRI                 | 1   | 1939 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCV02          | CCV02               | 1   | 1952 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB02          | CCB02               | 1   | 1958 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168360BL     | PB168360BL          | 1   | 2002 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| PB168360BS     | PB168360BS          | 1   | 2005 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-01DUP    | MW-17B-55-060425DUP | 1   | 2012 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-01L      | MW-17B-55-060425L   | 5   | 2016 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-02       | MW-17B-55-060425MS  | 1   | 2019 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-03       | MW-17B-55-060425MSD | 1   | 2022 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-01A      | MW-17B-55-060425A   | 1   | 2025 | Ag,As                                                           |
| CCV03          | CCV03               | 1   | 2035 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB03          | CCB03               | 1   | 2041 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-08DUP    | MW-17B-55-060425DUP | 1   | 2051 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-08L      | MW-17B-55-060425L   | 5   | 2054 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-09       | MW-17B-55-060425MS  | 1   | 2057 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-10       | MW-17B-55-060425MSD | 1   | 2100 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2234-08A      | MW-17B-55-060425A   | 1   | 2103 | Ag,As                                                           |
| CCV04          | CCV04               | 1   | 2116 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB04          | CCB04               | 1   | 2123 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2250-05       | EB02-060525         | 1   | 2127 | Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| Q2250-07       | EB02-060525         | 1   | 2130 | Fe                                                              |
| CCV05          | CCV05               | 1   | 2134 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |
| CCB05          | CCB05               | 1   | 2145 | Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn |



# METAL PREPARATION & INSTRUMENT DATA

## LAB CHRONICLE

|                 |                                |                   |                                           |
|-----------------|--------------------------------|-------------------|-------------------------------------------|
| <b>OrderID:</b> | Q2250                          | <b>OrderDate:</b> | 6/5/2025 4:22:00 PM                       |
| <b>Client:</b>  | JACOBS Engineering Group, Inc. | <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 |
| <b>Contact:</b> | John Ynfante                   | <b>Location:</b>  | D22,N31,VOA Ref. #3 Water                 |

| LabID    | ClientID    | Matrix | Test                 | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-------------|--------|----------------------|--------|-------------|-----------|-----------|----------|
| Q2250-05 | EB02-060525 | Water  | Mercury              | 7470A  | 06/05/25    | 06/09/25  | 06/10/25  | 06/05/25 |
|          |             |        | Metals ICP-TAL       | 6020B  |             | 06/09/25  | 06/11/25  |          |
| Q2250-07 | EB02-060525 | Water  | Dissolved ICP-Group2 | 6020B  | 06/05/25    | 06/09/25  | 06/11/25  | 06/05/25 |



# METAL PREPARATION & ANALYICAL SUMMARY

**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

|                  |                                       |                  |              |
|------------------|---------------------------------------|------------------|--------------|
| <b>Client:</b>   | <u>JACOBS Engineering Group, Inc.</u> | <b>SDG No.:</b>  | <u>Q2250</u> |
| <b>Contract:</b> | <u>JACO05</u>                         | <b>Lab Code:</b> | <u>CHEM</u>  |
|                  |                                       | <b>Method:</b>   | <u></u>      |
|                  |                                       | <b>Case No.:</b> | <u>Q2250</u> |
|                  |                                       | <b>SAS No.:</b>  | <u>Q2250</u> |

| Sample ID                     | Client ID           | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|---------------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168360</b> |                     |             |        |            |                         |                          |                |
| PB168360BL                    | PB168360BL          | MB          | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| PB168360BS                    | PB168360BS          | LCS         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-01DUP                   | MW-17B-55-060425DUP | DUP         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-02                      | MW-17B-55-060425MS  | MS          | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-03                      | MW-17B-55-060425MSD | MSD         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-08DUP                   | MW-17B-55-060425DUP | DUP         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-09                      | MW-17B-55-060425MS  | MS          | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2234-10                      | MW-17B-55-060425MSD | MSD         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2250-05                      | EB02-060525         | SAM         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |
| Q2250-07                      | EB02-060525         | SAM         | WATER  | 06/09/2025 | 50.0                    | 50.0                     |                |

**Metals**  
**- 13 -**

**SAMPLE PREPARATION SUMMARY**

**Client:** JACOBS Engineering Group, Inc. **SDG No.:** Q2250  
**Contract:** JACO05 **Lab Code:** CHEM **Method:** \_\_\_\_\_  
**Case No.:** Q2250 **SAS No.:** Q2250

| Sample ID                     | Client ID    | Sample Type | Matrix | Prep Date  | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|-------------------------------|--------------|-------------|--------|------------|-------------------------|--------------------------|----------------|
| <b>Batch Number: PB168379</b> |              |             |        |            |                         |                          |                |
| PB168379BL                    | PB168379BL   | MB          | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| PB168379BS                    | PB168379BS   | LCS         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2237-02DUP                   | TW-WTS-10DUP | DUP         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2237-02MS                    | TW-WTS-10MS  | MS          | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2237-02MSD                   | TW-WTS-10MSD | MSD         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |
| Q2250-05                      | EB02-060525  | SAM         | WATER  | 06/09/2025 | 30.0                    | 30.0                     |                |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

| Sr# | SampleId   | ClientID    | QcType   | Date           | Comment | Operator | Status |
|-----|------------|-------------|----------|----------------|---------|----------|--------|
| 1   | S0         | S0          | CAL1     | 06/10/25 10:08 |         | MOHAN    | OK     |
| 2   | S0.2       | S0.2        | CAL2     | 06/10/25 10:10 |         | MOHAN    | OK     |
| 3   | S2.5       | S2.5        | CAL3     | 06/10/25 10:13 |         | MOHAN    | OK     |
| 4   | S5         | S5          | CAL4     | 06/10/25 10:15 |         | MOHAN    | OK     |
| 5   | S7.5       | S7.5        | CAL5     | 06/10/25 10:20 |         | MOHAN    | OK     |
| 6   | S10        | S10         | CAL6     | 06/10/25 10:30 |         | MOHAN    | OK     |
| 7   | ICV31      | ICV31       | ICV      | 06/10/25 10:39 |         | MOHAN    | OK     |
| 8   | ICB31      | ICB31       | ICB      | 06/10/25 10:41 |         | MOHAN    | OK     |
| 9   | CCV17      | CCV17       | CCV      | 06/10/25 10:43 |         | MOHAN    | OK     |
| 10  | CCB17      | CCB17       | CCB      | 06/10/25 10:48 |         | MOHAN    | OK     |
| 11  | CRA        | CRA         | CRDL     | 06/10/25 10:56 |         | MOHAN    | OK     |
| 12  | HighStd    | HighStd     | HIGH STD | 06/10/25 11:04 |         | MOHAN    | OK     |
| 13  | ChkStd     | ChkStd      | SAM      | 06/10/25 11:06 |         | MOHAN    | OK     |
| 14  | PB168335BL | PB168335BL  | MB       | 06/10/25 11:11 |         | MOHAN    | OK     |
| 15  | PB168335BS | PB168335BS  | LCS      | 06/10/25 11:18 |         | MOHAN    | OK     |
| 16  | Q2226-04   | TP06-MHI-WC | SAM      | 06/10/25 11:20 |         | MOHAN    | OK     |
| 17  | Q2227-04   | TP07-MHH-WC | SAM      | 06/10/25 11:23 |         | MOHAN    | OK     |
| 18  | Q2228-04   | TP08-MHI-WC | SAM      | 06/10/25 11:25 |         | MOHAN    | OK     |



Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

|    |             |             |     |                |  |       |    |
|----|-------------|-------------|-----|----------------|--|-------|----|
| 19 | Q2235-03    | WC-A2-08-C  | SAM | 06/10/25 11:27 |  | MOHAN | OK |
| 20 | Q2236-03    | WC-A4-05A-C | SAM | 06/10/25 11:29 |  | MOHAN | OK |
| 21 | CCV18       | CCV18       | CCV | 06/10/25 11:32 |  | MOHAN | OK |
| 22 | CCB18       | CCB18       | CCB | 06/10/25 11:37 |  | MOHAN | OK |
| 23 | Q2236-07    | WC-A2-04-C  | SAM | 06/10/25 11:39 |  | MOHAN | OK |
| 24 | Q2236-11    | WC-A2-05-C  | SAM | 06/10/25 11:41 |  | MOHAN | OK |
| 25 | Q2236-15    | WC-A2-06-C  | SAM | 06/10/25 11:43 |  | MOHAN | OK |
| 26 | Q2236-19    | WC-A2-07-C  | SAM | 06/10/25 11:46 |  | MOHAN | OK |
| 27 | Q2240-04    | TP-3        | SAM | 06/10/25 11:48 |  | MOHAN | OK |
| 28 | Q2240-08    | TP-2        | SAM | 06/10/25 11:50 |  | MOHAN | OK |
| 29 | Q2240-12    | TP-1        | SAM | 06/10/25 11:52 |  | MOHAN | OK |
| 30 | Q2241-04    | TP-N        | SAM | 06/10/25 11:55 |  | MOHAN | OK |
| 31 | Q2241-08    | TP-S        | SAM | 06/10/25 11:57 |  | MOHAN | OK |
| 32 | Q2242-04    | TP09-MHJ    | SAM | 06/10/25 11:59 |  | MOHAN | OK |
| 33 | CCV19       | CCV19       | CCV | 06/10/25 12:12 |  | MOHAN | OK |
| 34 | CCB19       | CCB19       | CCB | 06/10/25 12:14 |  | MOHAN | OK |
| 35 | Q2242-04DUP | TP09-MHJDUP | DUP | 06/10/25 12:17 |  | MOHAN | OK |
| 36 | Q2242-04MS  | TP09-MHJMS  | MS  | 06/10/25 12:30 |  | MOHAN | OK |
| 37 | Q2242-04MSD | TP09-MHJMSD | MSD | 06/10/25 12:32 |  | MOHAN | OK |
| 38 | PB168364BL  | PB168364BL  | MB  | 06/10/25 12:38 |  | MOHAN | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

|    |             |              |     |                |  |       |    |
|----|-------------|--------------|-----|----------------|--|-------|----|
| 39 | PB168364BS  | PB168364BS   | LCS | 06/10/25 12:40 |  | MOHAN | OK |
| 40 | Q2244-04    | TP03-MHC     | SAM | 06/10/25 12:43 |  | MOHAN | OK |
| 41 | Q2260-04    | TP10-MHG-WC  | SAM | 06/10/25 12:45 |  | MOHAN | OK |
| 42 | Q2262-02    | ARS20-0032   | SAM | 06/10/25 12:47 |  | MOHAN | OK |
| 43 | Q2262-04    | ARS20-0001   | SAM | 06/10/25 12:49 |  | MOHAN | OK |
| 44 | Q2265-04    | TP11-MHL-WC  | SAM | 06/10/25 12:52 |  | MOHAN | OK |
| 45 | CCV20       | CCV20        | CCV | 06/10/25 12:57 |  | MOHAN | OK |
| 46 | CCB20       | CCB20        | CCB | 06/10/25 12:59 |  | MOHAN | OK |
| 47 | Q2266-04    | WC-3         | SAM | 06/10/25 13:01 |  | MOHAN | OK |
| 48 | Q2266-08    | WC-5         | SAM | 06/10/25 13:04 |  | MOHAN | OK |
| 49 | Q2266-08DUP | WC-5DUP      | DUP | 06/10/25 13:06 |  | MOHAN | OK |
| 50 | Q2266-08MS  | WC-5MS       | MS  | 06/10/25 13:08 |  | MOHAN | OK |
| 51 | Q2266-08MSD | WC-5MSD      | MSD | 06/10/25 13:10 |  | MOHAN | OK |
| 52 | PB168379BL  | PB168379BL   | MB  | 06/10/25 13:13 |  | MOHAN | OK |
| 53 | PB168379BS  | PB168379BS   | LCS | 06/10/25 13:18 |  | MOHAN | OK |
| 54 | Q2237-02    | TW-WTS-10    | SAM | 06/10/25 13:20 |  | MOHAN | OK |
| 55 | Q2237-02DUP | TW-WTS-10DUP | DUP | 06/10/25 13:23 |  | MOHAN | OK |
| 56 | Q2237-02MS  | TW-WTS-10MS  | MS  | 06/10/25 13:25 |  | MOHAN | OK |
| 57 | CCV21       | CCV21        | CCV | 06/10/25 13:30 |  | MOHAN | OK |
| 58 | CCB21       | CCB21        | CCB | 06/10/25 13:32 |  | MOHAN | OK |

Instrument ID: CV1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136079**

|                  |                                                 |              |                      |
|------------------|-------------------------------------------------|--------------|----------------------|
| Review By        | MOHAN                                           | Review On    | 6/11/2025 2:47:48 PM |
| Supervise By     | jaswal                                          | Supervise On | 6/11/2025 2:50:29 PM |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                |              |                      |
| ICAL Standard    | MP85916,MP85917,MP85918,MP85919,MP85920,MP85921 |              |                      |
| ICV Standard     | MP85922                                         |              |                      |
| CCV Standard     | MP85924                                         |              |                      |
| ICSA Standard    |                                                 |              |                      |
| CRI Standard     | MP85926                                         |              |                      |
| LCS Standard     |                                                 |              |                      |
| Chk Standard     | MP85923,MP85925,MP85927,MP85932                 |              |                      |

|    |             |              |     |                |  |       |    |
|----|-------------|--------------|-----|----------------|--|-------|----|
| 59 | Q2237-02MSD | TW-WTS-10MSD | MSD | 06/10/25 13:35 |  | MOHAN | OK |
| 60 | Q2250-05    | EB02-060525  | SAM | 06/10/25 13:37 |  | MOHAN | OK |
| 61 | PB168311TB  | PB168311TB   | MB  | 06/10/25 13:39 |  | MOHAN | OK |
| 62 | PB168333TB  | PB168333TB   | MB  | 06/10/25 13:41 |  | MOHAN | OK |
| 63 | Q2242-04L   | TP09-MHJL    | SD  | 06/10/25 13:44 |  | MOHAN | OK |
| 64 | Q2242-04A   | TP09-MHJA    | PS  | 06/10/25 13:46 |  | MOHAN | OK |
| 65 | Q2266-08L   | WC-5L        | SD  | 06/10/25 13:48 |  | MOHAN | OK |
| 66 | Q2266-08A   | WC-5A        | PS  | 06/10/25 13:58 |  | MOHAN | OK |
| 67 | Q2237-02L   | TW-WTS-10L   | SD  | 06/10/25 14:00 |  | MOHAN | OK |
| 68 | Q2237-02A   | TW-WTS-10A   | PS  | 06/10/25 14:05 |  | MOHAN | OK |
| 69 | CCV22       | CCV22        | CCV | 06/10/25 14:28 |  | MOHAN | OK |
| 70 | CCB22       | CCB22        | CCB | 06/10/25 14:30 |  | MOHAN | OK |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136121**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 6/12/2025 11:36:04 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 6/12/2025 5:42:09 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP85829,MP85838,MP85837,MP85835,MP85834,MP85833,MP85832,MP85831,MP85830 |              |                       |
| ICV Standard     | MP85839                                                                 |              |                       |
| CCV Standard     | MP85840                                                                 |              |                       |
| ICSA Standard    | MP85841,MP85842                                                         |              |                       |
| CRI Standard     | MP85837                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP85844,MP85845                                                         |              |                       |

| Sr# | SampleId   | ClientID | QcType | Date           | Comment                          | Operator | Status   |
|-----|------------|----------|--------|----------------|----------------------------------|----------|----------|
| 1   | TUNE       | TUNE     | TUNE   | 06/11/25 17:38 |                                  | Jaswal   | OK       |
| 2   | S0         | S0       | CAL1   | 06/11/25 18:00 |                                  | Jaswal   | OK       |
| 3   | S2         | S2       | CAL3   | 06/11/25 18:07 |                                  | Jaswal   | OK       |
| 4   | S3         | S3       | CAL4   | 06/11/25 18:14 |                                  | Jaswal   | OK       |
| 5   | S4         | S4       | CAL5   | 06/11/25 18:18 |                                  | Jaswal   | OK       |
| 6   | S5         | S5       | CAL6   | 06/11/25 18:21 |                                  | Jaswal   | OK       |
| 7   | S6         | S6       | CAL7   | 06/11/25 18:24 |                                  | Jaswal   | OK       |
| 8   | S7         | S7       | CAL8   | 06/11/25 18:27 |                                  | Jaswal   | OK       |
| 9   | S8         | S8       | CAL9   | 06/11/25 18:30 |                                  | Jaswal   | OK       |
| 10  | ICV01      | ICV01    | ICV    | 06/11/25 18:48 |                                  | Jaswal   | OK       |
| 11  | LLICV01    | LLICV01  | LLICV  | 06/11/25 19:00 |                                  | Jaswal   | OK       |
| 12  | ICB01      | ICB01    | ICB    | 06/11/25 19:07 |                                  | Jaswal   | OK       |
| 13  | ICSA01     | ICSA01   | ICSA   | 06/11/25 19:10 |                                  | Jaswal   | OK       |
| 14  | ICSAB01    | ICSAB01  | ICSAB  | 06/11/25 19:13 |                                  | Jaswal   | OK       |
| 15  | CCV01      | CCV01    | CCV    | 06/11/25 19:29 |                                  | Jaswal   | OK       |
| 16  | CCB01      | CCB01    | CCB    | 06/11/25 19:35 |                                  | Jaswal   | OK       |
| 17  | CRI        | CRI      | CRDL   | 06/11/25 19:39 |                                  | Jaswal   | OK       |
| 18  | Q2218-03DL | 3309DL   | SAM    | 06/11/25 19:42 | K High , INT_STD 45Sc(1)<br>Fail | Jaswal   | Dilution |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136121**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 6/12/2025 11:36:04 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 6/12/2025 5:42:09 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP85829,MP85838,MP85837,MP85835,MP85834,MP85833,MP85832,MP85831,MP85830 |              |                       |
| ICV Standard     | MP85839                                                                 |              |                       |
| CCV Standard     | MP85840                                                                 |              |                       |
| ICSA Standard    | MP85841,MP85842                                                         |              |                       |
| CRI Standard     | MP85837                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP85844,MP85845                                                         |              |                       |

|    |             |                    |     |                |                                    |        |          |
|----|-------------|--------------------|-----|----------------|------------------------------------|--------|----------|
| 19 | Q2218-03DL2 | 3309DL2            | SAM | 06/11/25 19:48 | 50X For K, 50X for INT_STD 45Sc(1) | Jaswal | Confirms |
| 20 | CCV02       | CCV02              | CCV | 06/11/25 19:52 |                                    | Jaswal | OK       |
| 21 | CCB02       | CCB02              | CCB | 06/11/25 19:58 |                                    | Jaswal | OK       |
| 22 | PB168360BL  | PB168360BL         | MB  | 06/11/25 20:02 |                                    | Jaswal | OK       |
| 23 | PB168360BS  | PB168360BS         | LCS | 06/11/25 20:05 |                                    | Jaswal | OK       |
| 24 | Q2234-01    | MW-17B-55-060425   | SAM | 06/11/25 20:09 |                                    | Jaswal | OK       |
| 25 | Q2234-01DUP | MW-17B-55-060425D  | DUP | 06/11/25 20:12 |                                    | Jaswal | OK       |
| 26 | Q2234-01L   | MW-17B-55-060425L  | SD  | 06/11/25 20:16 |                                    | Jaswal | OK       |
| 27 | Q2234-02    | MW-17B-55-060425M  | MS  | 06/11/25 20:19 |                                    | Jaswal | OK       |
| 28 | Q2234-03    | MW-17B-55-060425M  | MSD | 06/11/25 20:22 |                                    | Jaswal | OK       |
| 29 | Q2234-01A   | MW-17B-55-060425A  | PS  | 06/11/25 20:25 |                                    | Jaswal | OK       |
| 30 | Q2234-05    | MW-18B-56-060425   | SAM | 06/11/25 20:28 |                                    | Jaswal | OK       |
| 31 | Q2234-06    | MW-18B-56-060425-F | SAM | 06/11/25 20:31 |                                    | Jaswal | OK       |
| 32 | CCV03       | CCV03              | CCV | 06/11/25 20:35 |                                    | Jaswal | OK       |
| 33 | CCB03       | CCB03              | CCB | 06/11/25 20:41 |                                    | Jaswal | OK       |
| 34 | Q2234-07    | MW-19B-72-060425   | SAM | 06/11/25 20:44 |                                    | Jaswal | OK       |
| 35 | Q2234-08    | MW-17B-55-060425   | SAM | 06/11/25 20:47 |                                    | Jaswal | OK       |
| 36 | Q2234-08DUP | MW-17B-55-060425D  | DUP | 06/11/25 20:51 |                                    | Jaswal | OK       |
| 37 | Q2234-08L   | MW-17B-55-060425L  | SD  | 06/11/25 20:54 |                                    | Jaswal | OK       |

Instrument ID: P7

**Daily Analysis Runlog For Sequence/QCBatch ID # LB136121**

|                  |                                                                         |              |                       |
|------------------|-------------------------------------------------------------------------|--------------|-----------------------|
| Review By        | Janvi                                                                   | Review On    | 6/12/2025 11:36:04 AM |
| Supervise By     | jaswal                                                                  | Supervise On | 6/12/2025 5:42:09 PM  |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                        |              |                       |
| ICAL Standard    | MP85829,MP85838,MP85837,MP85835,MP85834,MP85833,MP85832,MP85831,MP85830 |              |                       |
| ICV Standard     | MP85839                                                                 |              |                       |
| CCV Standard     | MP85840                                                                 |              |                       |
| ICSA Standard    | MP85841,MP85842                                                         |              |                       |
| CRI Standard     | MP85837                                                                 |              |                       |
| LCS Standard     |                                                                         |              |                       |
| Chk Standard     | MP85844,MP85845                                                         |              |                       |

|    |           |                    |     |                |        |    |
|----|-----------|--------------------|-----|----------------|--------|----|
| 38 | Q2234-09  | MW-17B-55-060425M  | MS  | 06/11/25 20:57 | Jaswal | OK |
| 39 | Q2234-10  | MW-17B-55-060425M  | MSD | 06/11/25 21:00 | Jaswal | OK |
| 40 | Q2234-08A | MW-17B-55-060425A  | PS  | 06/11/25 21:03 | Jaswal | OK |
| 41 | Q2234-11  | MW-18B-56-060425   | SAM | 06/11/25 21:06 | Jaswal | OK |
| 42 | Q2234-12  | MW-18B-56-060425-F | SAM | 06/11/25 21:10 | Jaswal | OK |
| 43 | Q2234-13  | MW-19B-72-060425   | SAM | 06/11/25 21:13 | Jaswal | OK |
| 44 | CCV04     | CCV04              | CCV | 06/11/25 21:16 | Jaswal | OK |
| 45 | CCB04     | CCB04              | CCB | 06/11/25 21:23 | Jaswal | OK |
| 46 | Q2250-05  | EB02-060525        | SAM | 06/11/25 21:27 | Jaswal | OK |
| 47 | Q2250-07  | EB02-060525        | SAM | 06/11/25 21:30 | Jaswal | OK |
| 48 | CCV05     | CCV05              | CCV | 06/11/25 21:34 | Jaswal | OK |
| 49 | CCB05     | CCB05              | CCB | 06/11/25 21:45 | Jaswal | OK |

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette 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: 06/09/2025 Time : 12:20 Temp : 96 °C

End Digest Date: 06/09/2025 Time : 14:14 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: S/29.

Supervisor Signature: JEP

Temp : 1. 96°C 2. N/A

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| Spike Sol 1   | 0.50     | MP85846             |
| Spike Sol 2   | 1.00     | MP85847             |
| Spike Sol 3   | 1.00     | MP85848             |
| Spike Sol 4   | 1.00     | MP85849             |
| N/A           | N/A      | N/A                 |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---------------|----------------|------------|
| Conc. HNO3    | 3.00           | M6158      |
| 1:1 HCL       | 5.00           | MP85156    |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |
| N/A           | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 C

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
|----------------|-----------------------------------------|----------------------|
| 06/09/25 15:15 | S/29. met. dig                          | JEP Met Lab          |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID    | pH | Initial Vol (ml) | Final Vol (ml) | Color Before | Color After | Clarity Before | Clarity After | Comment                   | Prep Pos |
|---------------|---------------------|----|------------------|----------------|--------------|-------------|----------------|---------------|---------------------------|----------|
| PB168360BL    | PBW360              | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 16       |
| PB168360BS    | LCS360              | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP85846,MP85847,MP85848,N | 17       |
| Q2218-03      | 3309                | <2 | 50               | 50             | Pink         | ligh Brown  | Clear          | Clear         | N/A                       | 18       |
| Q2234-01DUP   | MW-17B-55-060425DUP | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 20       |
| Q2234-01      | MW-17B-55-060425    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 19       |
| Q2234-02      | Q2234-01MS          | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP85846,MP85847,MP85848,N | 21       |
| Q2234-03      | Q2234-01MSD         | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | MP85846,MP85847,MP85848,N | 22       |
| Q2234-05      | MW-18B-56-060425    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 23       |
| Q2234-06      | MW-18B-56-060425-FD | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 24       |
| Q2234-07      | MW-19B-72-060425    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 25       |
| Q2234-08      | MW-17B-55-060425    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 26       |
| Q2234-09      | Q2234-08MS          | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 27       |
| Q2234-10      | Q2234-08MSD         | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 28       |
| Q2234-11      | MW-18B-56-060425    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 29       |
| Q2234-12      | MW-18B-56-060425-FD | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 30       |
| Q2234-13      | MW-19B-72-060425    | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 31       |
| Q2250-05      | EB02-060525         | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 32       |
| Q2250-07      | EB02-060525         | <2 | 50               | 50             | Colorless    | Colorless   | Clear          | Clear         | N/A                       | 33       |



SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 06/09/2025 Time : 15:15 Temp : 94 °C

End Digest Date: 06/09/2025 Time : 17:15 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP85922             |
| CCV               | 30mL     | MP85924             |
| CRA               | 30mL     | MP85926             |
| Blank Spike       | 0.48mL   | MP85915             |
| Matrix Spike      | 0.48mL   | MP85915             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 2.25mL         | MP85892    |
| KMnO4 (5%)              | 4.5mL          | MP85893    |
| K2S2O8 (5%)             | 2.4mL          | MP85894    |
| Hydroxylamine HCL (12%) | 1.8mL          | MP85895    |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP85916 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP85917 |
| 2.5 ppb       | S2.5             | 30mL          | MP85918 |
| 5.0 ppb       | S5.0             | 30mL          | MP85919 |
| 7.5 ppb       | S7.5             | 30mL          | MP85920 |
| 10.0 ppb      | S10.0            | 30mL          | MP85921 |
| ICV           | ICV              | 30mL          | MP85922 |
| ICB           | ICB              | 30mL          | MP85923 |
| CCV           | CCV              | 30mL          | MP85924 |
| CCB           | CCB              | 30mL          | MP85925 |
| CRI           | CRI              | 30mL          | MP85909 |
| CHK STD       | CHK STD          | 30mL          | MP85927 |

## Extraction Conformance/Non-Conformance Comments:

| N/A            |                                         |                      |
|----------------|-----------------------------------------|----------------------|
| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location |
| 6/9/25 @ 17:40 | MB - Dig. Lab                           | MB - metal Lab       |
|                | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------|------------------|----------------|----|---------|----------|
| PB168379BL    | PBW379           | 30               | 30             | <2 | N/A     | 3-35     |
| PB168379BS    | LCS379           | 30               | 30             | <2 | MP85915 | 36       |
| Q2237-02DUP   | TW-WTS-10DUP     | 30               | 30             | <2 | N/A     | 38       |
| Q2237-02MS    | TW-WTS-10MS      | 30               | 30             | <2 | MP85915 | 39       |
| Q2237-02MSD   | TW-WTS-10MSD     | 30               | 30             | <2 | MP85915 | 40       |
| Q2237-02      | TW-WTS-10        | 30               | 30             | <2 | N/A     | 37       |
| Q2250-05      | EB02-060525      | 30               | 30             | <2 | N/A     | 41       |



# SAMPLE DATA

## Report of Analysis

|                   |                                           |                 |                |
|-------------------|-------------------------------------------|-----------------|----------------|
| Client:           | JACOBS Engineering Group, Inc.            | Date Collected: | 06/05/25 09:30 |
| Project:          | Former Schlumberger STC PTC Site D3868221 | Date Received:  | 06/05/25       |
| Client Sample ID: | EB02-060525                               | SDG No.:        | Q2250          |
| Lab Sample ID:    | Q2250-05                                  | Matrix:         | Water          |
|                   |                                           | % Solid:        | 0              |

| Parameter  | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Prep Date | Date Ana.      | Ana Met.     |
|------------|-------|------|----|-------|------------|-------|-----------|----------------|--------------|
| Alkalinity | 1.00  | U    | 1  | 1.00  | 2.00       | mg/L  |           | 06/10/25 12:55 | SM 2320 B-11 |
| Chloride   | 0.19  | U    | 1  | 0.19  | 0.60       | mg/L  |           | 06/06/25 11:55 | 9056A        |
| Nitrate    | 0.095 | U    | 1  | 0.095 | 0.50       | mg/L  |           | 06/06/25 11:55 | 9056A        |
| Sulfate    | 0.48  | J    | 1  | 0.46  | 3.00       | mg/L  |           | 06/06/25 11:55 | 9056A        |
| TDS        | 76.0  |      | 1  | 1.00  | 10.0       | mg/L  |           | 06/06/25 12:30 | SM 2540 C-15 |

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

## Initial and Continuing Calibration Verification

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Project:** Former Schlumberger STC PTC Site D3868221

**RunNo.:** LB136018

| Analyte                | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|------------------------|-------|--------|------------|------------|------------------------|---------------|
| <b>Sample ID: ICV1</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.2   | 10         | 102        | 90-110                 | 05/22/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 05/22/2025    |
| Fluoride               | mg/L  | 2.1    | 2          | 105        | 90-110                 | 05/22/2025    |
| Nitrite                | mg/L  | 3.1    | 3          | 103        | 90-110                 | 05/22/2025    |
| Nitrate                | mg/L  | 2.6    | 2.5        | 104        | 90-110                 | 05/22/2025    |
| Sulfate                | mg/L  | 15.1   | 15         | 101        | 90-110                 | 05/22/2025    |
| Orthophosphate as P    | mg/L  | 5.3    | 5          | 106        | 90-110                 | 05/22/2025    |
| <b>Sample ID: CCV1</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.2   | 10         | 102        | 90-110                 | 06/05/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/05/2025    |
| Fluoride               | mg/L  | 2      | 2          | 100        | 90-110                 | 06/05/2025    |
| Nitrite                | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/05/2025    |
| Nitrate                | mg/L  | 2.6    | 2.5        | 104        | 90-110                 | 06/05/2025    |
| Sulfate                | mg/L  | 15.1   | 15         | 101        | 90-110                 | 06/05/2025    |
| Orthophosphate as P    | mg/L  | 5.3    | 5          | 106        | 90-110                 | 06/05/2025    |
| <b>Sample ID: CCV2</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.3   | 10         | 103        | 90-110                 | 06/05/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/05/2025    |
| Fluoride               | mg/L  | 2.1    | 2          | 105        | 90-110                 | 06/05/2025    |
| Nitrite                | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/05/2025    |
| Nitrate                | mg/L  | 2.6    | 2.5        | 104        | 90-110                 | 06/05/2025    |
| Sulfate                | mg/L  | 15.2   | 15         | 101        | 90-110                 | 06/05/2025    |
| Orthophosphate as P    | mg/L  | 5.3    | 5          | 106        | 90-110                 | 06/05/2025    |
| <b>Sample ID: CCV3</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.3   | 10         | 103        | 90-110                 | 06/06/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/06/2025    |
| Fluoride               | mg/L  | 2      | 2          | 100        | 90-110                 | 06/06/2025    |
| Nitrite                | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/06/2025    |
| Nitrate                | mg/L  | 2.6    | 2.5        | 104        | 90-110                 | 06/06/2025    |
| Sulfate                | mg/L  | 15.2   | 15         | 101        | 90-110                 | 06/06/2025    |
| Orthophosphate as P    | mg/L  | 5.2    | 5          | 104        | 90-110                 | 06/06/2025    |
| <b>Sample ID: CCV4</b> |       |        |            |            |                        |               |
| Bromide                | mg/L  | 10.3   | 10         | 103        | 90-110                 | 06/06/2025    |
| Chloride               | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/06/2025    |
| Fluoride               | mg/L  | 2.1    | 2          | 105        | 90-110                 | 06/06/2025    |
| Nitrite                | mg/L  | 3.1    | 3          | 103        | 90-110                 | 06/06/2025    |
| Nitrate                | mg/L  | 2.6    | 2.5        | 104        | 90-110                 | 06/06/2025    |
| Sulfate                | mg/L  | 15.3   | 15         | 102        | 90-110                 | 06/06/2025    |

## Initial and Continuing Calibration Verification

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Project:** Former Schlumberger STC PTC Site D3868221

**RunNo.:** LB136018

| Analyte             | Units | Result | True Value | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|---------------------|-------|--------|------------|---------------|---------------------------|------------------|
| Orthophosphate as P | mg/L  | 5.4    | 5          | 108           | 90-110                    | 06/06/2025       |

## Initial and Continuing Calibration Blank Summary

**Client:** JACOBS Engineering Group, Inc.

**SDG No.:** Q2250

**Project:** Former Schlumberger STC PTC Site D3868221

**RunNo.:** LB136018

| Analyte                | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| <b>Sample ID: ICB1</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 05/22/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 05/22/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 05/22/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 05/22/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 05/22/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 05/22/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 05/22/2025    |
| <b>Sample ID: CCB1</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 06/05/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 06/05/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 06/05/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 06/05/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 06/05/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 06/05/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 06/05/2025    |
| <b>Sample ID: CCB2</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 06/05/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 06/05/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 06/05/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 06/05/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 06/05/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 06/05/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 06/05/2025    |
| <b>Sample ID: CCB3</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 06/06/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 06/06/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 06/06/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 06/06/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 06/06/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 06/06/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 06/06/2025    |
| <b>Sample ID: CCB4</b> |       |          |                   |           |       |     |               |
| Bromide                | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 06/06/2025    |
| Chloride               | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 06/06/2025    |
| Fluoride               | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 06/06/2025    |
| Nitrite                | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 06/06/2025    |
| Nitrate                | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 06/06/2025    |
| Sulfate                | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 06/06/2025    |
| Orthophosphate as P    | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 06/06/2025    |



## Preparation Blank Summary

**Client:** JACOBS Engineering Group, Inc.  
**Project:** Former Schlumberger STC PTC Site D3868221

**SDG No.:** Q2250

| Analyte                        | Units | Result   | Acceptance Limits | Conc Qual | MDL   | RDL | Analysis Date |
|--------------------------------|-------|----------|-------------------|-----------|-------|-----|---------------|
| <b>Sample ID: LB136018BLW</b>  |       |          |                   |           |       |     |               |
| Bromide                        | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 06/05/2025    |
| Chloride                       | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 06/05/2025    |
| Fluoride                       | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 06/05/2025    |
| Nitrite                        | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 06/05/2025    |
| Nitrate                        | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 06/05/2025    |
| Sulfate                        | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 06/05/2025    |
| Orthophosphate as P            | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 06/05/2025    |
| <b>Sample ID: LB136018BLW2</b> |       |          |                   |           |       |     |               |
| Bromide                        | mg/L  | < 1.0000 | 1.0000            | U         | 0.37  | 2   | 06/06/2025    |
| Chloride                       | mg/L  | < 0.3000 | 0.3000            | U         | 0.19  | 0.6 | 06/06/2025    |
| Fluoride                       | mg/L  | < 0.2000 | 0.2000            | U         | 0.11  | 0.4 | 06/06/2025    |
| Nitrite                        | mg/L  | < 0.3000 | 0.3000            | U         | 0.074 | 0.6 | 06/06/2025    |
| Nitrate                        | mg/L  | < 0.2500 | 0.2500            | U         | 0.095 | 0.5 | 06/06/2025    |
| Sulfate                        | mg/L  | < 1.5000 | 1.5000            | U         | 0.46  | 3   | 06/06/2025    |
| Orthophosphate as P            | mg/L  | < 0.5000 | 0.5000            | U         | 0.34  | 1   | 06/06/2025    |
| <b>Sample ID: LB136041BL</b>   |       |          |                   |           |       |     |               |
| TDS                            | mg/L  | < 5.0000 | 5.0000            | U         | 1.0   | 10  | 06/06/2025    |
| <b>Sample ID: LB136111BL</b>   |       |          |                   |           |       |     |               |
| Alkalinity                     | mg/L  | < 1.0000 | 1.0000            | U         | 1     | 2   | 06/10/2025    |

## Matrix Spike Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2250    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2234-01 |
| <b>Client ID:</b> | MW-17B-55-060425MS                        | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte             | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Bromide             | mg/L  | 80-120                 | 10.5             |                    | 0.37             | U                  | 10             | 1                  | 105      |      | 06/05/2025       |
| Chloride            | mg/L  | 80-120                 | 23.7             | OR                 | 21.1             | OR                 | 3              | 1                  | 87       |      | 06/05/2025       |
| Fluoride            | mg/L  | 80-120                 | 2.30             |                    | 0.28             | J                  | 2              | 1                  | 101      |      | 06/05/2025       |
| Nitrite             | mg/L  | 80-120                 | 3.10             |                    | 0.074            | U                  | 3              | 1                  | 103      |      | 06/05/2025       |
| Nitrate             | mg/L  | 80-120                 | 2.60             |                    | 0.095            | U                  | 2.5            | 1                  | 104      |      | 06/05/2025       |
| Sulfate             | mg/L  | 80-120                 | 49.3             | OR                 | 34.4             |                    | 15             | 1                  | 99       |      | 06/05/2025       |
| Orthophosphate as P | mg/L  | 80-120                 | 4.30             |                    | 0.34             | U                  | 5              | 1                  | 86       |      | 06/05/2025       |

## Matrix Spike Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2250    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2234-01 |
| <b>Client ID:</b> | MW-17B-55-060425MSD                       | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte             | Units | Acceptance<br>Limit %R | Spiked<br>Result | Conc.<br>Qualifier | Sample<br>Result | Conc.<br>Qualifier | Spike<br>Added | Dilution<br>Factor | %<br>Rec | Qual | Analysis<br>Date |
|---------------------|-------|------------------------|------------------|--------------------|------------------|--------------------|----------------|--------------------|----------|------|------------------|
| Bromide             | mg/L  | 80-120                 | 10.0             |                    | 0.37             | U                  | 10             | 1                  | 100      |      | 06/05/2025       |
| Chloride            | mg/L  | 80-120                 | 23.5             | OR                 | 21.1             | OR                 | 3              | 1                  | 80       |      | 06/05/2025       |
| Fluoride            | mg/L  | 80-120                 | 2.20             |                    | 0.28             | J                  | 2              | 1                  | 96       |      | 06/05/2025       |
| Nitrite             | mg/L  | 80-120                 | 2.90             |                    | 0.074            | U                  | 3              | 1                  | 97       |      | 06/05/2025       |
| Nitrate             | mg/L  | 80-120                 | 2.50             |                    | 0.095            | U                  | 2.5            | 1                  | 100      |      | 06/05/2025       |
| Sulfate             | mg/L  | 80-120                 | 48.6             | OR                 | 34.4             |                    | 15             | 1                  | 95       |      | 06/05/2025       |
| Orthophosphate as P | mg/L  | 80-120                 | 4.00             |                    | 0.34             | U                  | 5              | 1                  | 80       |      | 06/05/2025       |

### Duplicate Sample Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2250    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2231-05 |
| <b>Client ID:</b> | MW-17-20250604DUP                         | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|---------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| TDS     | mg/L  | +/-5             | 296           |                 | 302              |                 | 1               | 2.01   |      | 06/06/2025    |

## Duplicate Sample Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2250    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2234-01 |
| <b>Client ID:</b> | MW-17B-55-060425MSD                       | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte             | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|---------------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Chloride            | mg/L  | +/-15            | 23.7          | OR              | 23.5             | OR              | 1               | 1      |      | 06/05/2025    |
| Sulfate             | mg/L  | +/-15            | 49.3          | OR              | 48.6             | OR              | 1               | 1      |      | 06/05/2025    |
| Fluoride            | mg/L  | +/-15            | 2.30          |                 | 2.20             |                 | 1               | 4      |      | 06/05/2025    |
| Nitrate             | mg/L  | +/-15            | 2.60          |                 | 2.50             |                 | 1               | 4      |      | 06/05/2025    |
| Bromide             | mg/L  | +/-15            | 10.5          |                 | 10.0             |                 | 1               | 5      |      | 06/05/2025    |
| Nitrite             | mg/L  | +/-15            | 3.10          |                 | 2.90             |                 | 1               | 7      |      | 06/05/2025    |
| Orthophosphate as P | mg/L  | +/-15            | 4.30          |                 | 4.00             |                 | 1               | 7      |      | 06/05/2025    |

### Duplicate Sample Summary

|                   |                                           |                                         |          |
|-------------------|-------------------------------------------|-----------------------------------------|----------|
| <b>Client:</b>    | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b>                         | Q2250    |
| <b>Project:</b>   | Former Schlumberger STC PTC Site D3868221 | <b>Sample ID:</b>                       | Q2250-05 |
| <b>Client ID:</b> | EB02-060525DUP                            | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte    | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/AD | Qual | Analysis Date |
|------------|-------|------------------|---------------|-----------------|------------------|-----------------|-----------------|--------|------|---------------|
| Alkalinity | mg/L  | +/-20            | 1.00          | U               | 1.00             | U               | 1               | 0      |      | 06/10/2025    |

## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2250    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136018 |

| Analyte             | Units       | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---------------------|-------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID           | LB136018BSW |            |        |                 |            |                 |                     |               |
| Bromide             | mg/L        | 10         | 10.3   |                 | 103        | 1               | 90-110              | 06/05/2025    |
| Chloride            | mg/L        | 3          | 3.10   |                 | 103        | 1               | 90-110              | 06/05/2025    |
| Fluoride            | mg/L        | 2          | 2.00   |                 | 100        | 1               | 90-110              | 06/05/2025    |
| Nitrite             | mg/L        | 3          | 3.10   |                 | 103        | 1               | 90-110              | 06/05/2025    |
| Nitrate             | mg/L        | 2.5        | 2.60   |                 | 104        | 1               | 90-110              | 06/05/2025    |
| Sulfate             | mg/L        | 15         | 15.3   |                 | 102        | 1               | 90-110              | 06/05/2025    |
| Orthophosphate as P | mg/L        | 5          | 5.30   |                 | 106        | 1               | 90-110              | 06/05/2025    |

## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2250    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136018 |

| Analyte             | Units        | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---------------------|--------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID           | LB136018BSW2 |            |        |                 |            |                 |                     |               |
| Bromide             | mg/L         | 10         | 10.3   |                 | 103        | 1               | 90-110              | 06/06/2025    |
| Chloride            | mg/L         | 3          | 3.10   |                 | 103        | 1               | 90-110              | 06/06/2025    |
| Fluoride            | mg/L         | 2          | 2.00   |                 | 100        | 1               | 90-110              | 06/06/2025    |
| Nitrite             | mg/L         | 3          | 3.10   |                 | 103        | 1               | 90-110              | 06/06/2025    |
| Nitrate             | mg/L         | 2.5        | 2.60   |                 | 104        | 1               | 90-110              | 06/06/2025    |
| Sulfate             | mg/L         | 15         | 15.4   |                 | 103        | 1               | 90-110              | 06/06/2025    |
| Orthophosphate as P | mg/L         | 5          | 5.40   |                 | 108        | 1               | 90-110              | 06/06/2025    |



## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2250    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136041 |

| Analyte   | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|-----------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID | LB136041BS |            |        |                 |            |                 |                     |               |
| TDS       | mg/L       | 100        | 95.0   |                 | 95         | 1               | 90-110              | 06/06/2025    |

## Laboratory Control Sample Summary

|                 |                                           |                 |          |
|-----------------|-------------------------------------------|-----------------|----------|
| <b>Client:</b>  | JACOBS Engineering Group, Inc.            | <b>SDG No.:</b> | Q2250    |
| <b>Project:</b> | Former Schlumberger STC PTC Site D3868221 | <b>Run No.:</b> | LB136111 |

| Analyte    | Units      | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|------------|------------|------------|--------|-----------------|------------|-----------------|---------------------|---------------|
| Sample ID  | LB136111BS |            |        |                 |            |                 |                     |               |
| Alkalinity | mg/L       | 50         | 46.2   |                 | 92         | 1               | 80-120              | 06/10/2025    |

Instrument ID: IC-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136018**

|                  |                                                                |              |                       |
|------------------|----------------------------------------------------------------|--------------|-----------------------|
| Review By        | rubina                                                         | Review On    | 6/10/2025 10:15:09 AM |
| Supervise By     | Iwona                                                          | Supervise On | 6/10/2025 11:29:48 AM |
| SubDirectory     | LB136018                                                       | Test         | Anions                |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                       |
| ICAL Standard    | WP113186,WP113187,WP113188,WP113189,WP113190,WP113191,WP113192 |              |                       |
| ICV Standard     | WP113193                                                       |              |                       |
| CCV Standard     | WP113391,WP113409                                              |              |                       |
| ICSA Standard    | N/A                                                            |              |                       |
| CRI Standard     | N/A                                                            |              |                       |
| LCS Standard     | WP113392,WP113410                                              |              |                       |
| Chk Standard     | WP113194,WP113195                                              |              |                       |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment                      | Operator | Status   |
|-----|-------------|--------------------|--------|----------------|------------------------------|----------|----------|
| 1   | STD1        | STD1               | CAL1   | 05/22/25 11:09 | All standards, samples, and  | NF/IZ    | OK       |
| 2   | STD2        | STD2               | CAL2   | 05/22/25 11:30 | QC are filtered through      | NF/IZ    | OK       |
| 3   | STD3        | STD3               | CAL3   | 05/22/25 11:52 | 0.45um, filter lot W3160     | NF/IZ    | OK       |
| 4   | STD4        | STD4               | CAL4   | 05/22/25 12:13 |                              | NF/IZ    | OK       |
| 5   | STD5        | STD5               | CAL5   | 05/22/25 12:35 |                              | NF/IZ    | OK       |
| 6   | STD6        | STD6               | CAL6   | 05/22/25 12:56 |                              | NF/IZ    | OK       |
| 7   | STD7        | STD7               | CAL7   | 05/22/25 13:17 |                              | NF/IZ    | OK       |
| 8   | ICV1        | ICV1               | ICV    | 05/22/25 13:39 |                              | NF/IZ    | OK       |
| 9   | ICB1        | ICB1               | ICB    | 05/22/25 14:22 |                              | NF/IZ    | OK       |
| 10  | CCV1        | CCV1               | CCV    | 06/05/25 14:09 |                              | NF/IZ    | OK       |
| 11  | CCB1        | CCB1               | CCB    | 06/05/25 14:31 |                              | NF/IZ    | OK       |
| 12  | LB136018BLW | LB136018BLW        | MB     | 06/05/25 14:52 |                              | NF/IZ    | OK       |
| 13  | LB136018BSW | LB136018BSW        | LCS    | 06/05/25 15:14 |                              | NF/IZ    | OK       |
| 14  | Q2234-01    | MW-17B-55-060425   | SAM    | 06/05/25 15:35 | CL high                      | NF/IZ    | Dilution |
| 15  | Q2234-02    | MW-17B-55-060425M  | MS     | 06/05/25 15:57 | 9.5ml of sample, 0.5mL W3092 | NF/IZ    | OK       |
| 16  | Q2234-03    | MW-17B-55-060425M  | MSD    | 06/05/25 16:19 | 9.5ml of sample, 0.5mL W3092 | NF/IZ    | OK       |
| 17  | Q2234-05    | MW-18B-56-060425   | SAM    | 06/05/25 16:40 | CL,SO4 high                  | NF/IZ    | Dilution |
| 18  | Q2234-06    | MW-18B-56-060425-F | SAM    | 06/05/25 17:02 | CL,SO4 high                  | NF/IZ    | Dilution |

Instrument ID: IC-1

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136018**

|              |          |              |                       |
|--------------|----------|--------------|-----------------------|
| Review By    | rubina   | Review On    | 6/10/2025 10:15:09 AM |
| Supervise By | Iwona    | Supervise On | 6/10/2025 11:29:48 AM |
| SubDirectory | LB136018 | Test         | Anions                |

| STD. NAME     | STD REF.#                                                      |
|---------------|----------------------------------------------------------------|
| ICAL Standard | WP113186,WP113187,WP113188,WP113189,WP113190,WP113191,WP113192 |
| ICV Standard  | WP113193                                                       |
| CCV Standard  | WP113391,WP113409                                              |
| ICSA Standard | N/A                                                            |
| CRI Standard  | N/A                                                            |
| LCS Standard  | WP113392,WP113410                                              |
| Chk Standard  | WP113194,WP113195                                              |

|    |              |                    |     |                |                |       |          |
|----|--------------|--------------------|-----|----------------|----------------|-------|----------|
| 19 | Q2234-07     | MW-19B-72-060425   | SAM | 06/05/25 17:23 | CL,SO4 high    | NF/IZ | Dilution |
| 20 | Q2234-01DL   | MW-17B-55-060425D  | SAM | 06/05/25 17:44 | 5X for CL      | NF/IZ | Confirms |
| 21 | Q2234-05DL   | MW-18B-56-060425D  | SAM | 06/05/25 18:27 | 10X for CL,SO4 | NF/IZ | Confirms |
| 22 | CCV2         | CCV2               | CCV | 06/05/25 18:49 |                | NF/IZ | OK       |
| 23 | CCB2         | CCB2               | CCB | 06/05/25 19:10 |                | NF/IZ | OK       |
| 24 | CCV3         | CCV3               | CCV | 06/06/25 10:29 |                | NF/IZ | OK       |
| 25 | CCB3         | CCB3               | CCB | 06/06/25 10:51 |                | NF/IZ | OK       |
| 26 | LB136018BLW2 | LB136018BLW2       | MB  | 06/06/25 11:12 |                | NF/IZ | OK       |
| 27 | LB136018BSW2 | LB136018BSW2       | LCS | 06/06/25 11:34 |                | NF/IZ | OK       |
| 28 | Q2250-05     | EB02-060525        | SAM | 06/06/25 11:55 |                | NF/IZ | OK       |
| 29 | Q2234-06DL   | MW-18B-56-060425-F | SAM | 06/06/25 12:17 | 10X for CL,SO4 | NF/IZ | Confirms |
| 30 | Q2234-07DL   | MW-19B-72-060425D  | SAM | 06/06/25 12:38 | 20X for CL,SO4 | NF/IZ | Confirms |
| 31 | CCV4         | CCV4               | CCV | 06/06/25 13:00 |                | NF/IZ | OK       |
| 32 | CCB4         | CCB4               | CCB | 06/06/25 13:21 |                | NF/IZ | OK       |

**Instrument ID:** WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136041**

|                  |                  |              |                      |
|------------------|------------------|--------------|----------------------|
| Review By        | jignesh          | Review On    | 6/9/2025 10:21:18 AM |
| Supervise By     | Iwona            | Supervise On | 6/9/2025 1:13:30 PM  |
| SubDirectory     | LB136041         | Test         | TDS                  |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                      |
| 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     | N/A              |              |                      |

| Sr# | SampleId    | ClientID           | QcType | Date           | Comment | Operator | Status |
|-----|-------------|--------------------|--------|----------------|---------|----------|--------|
| 1   | LB136041BL  | LB136041BL         | MB     | 06/06/25 12:30 |         | jignesh  | OK     |
| 2   | LB136041BS  | LB136041BS         | LCS    | 06/06/25 12:30 |         | jignesh  | OK     |
| 3   | Q2231-01    | MW-10D-20250604    | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 4   | Q2231-03    | MW-15-20250604     | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 5   | Q2231-04    | MW-16D-20250604    | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 6   | Q2231-05    | MW-17-20250604     | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 7   | Q2231-05DUP | MW-17-20250604DUP  | DUP    | 06/06/25 12:30 |         | jignesh  | OK     |
| 8   | Q2234-01    | MW-17B-55-060425   | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 9   | Q2234-05    | MW-18B-56-060425   | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 10  | Q2234-06    | MW-18B-56-060425-F | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 11  | Q2234-07    | MW-19B-72-060425   | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 12  | Q2250-05    | EB02-060525        | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |
| 13  | Q2253-02    | RW8-SP303-2025060  | SAM    | 06/06/25 12:30 |         | jignesh  | OK     |

**Instrument ID:** TITRATOR

**Daily Analysis Runlog For Sequence/QC Batch ID # LB136111**

|                  |                  |              |                      |
|------------------|------------------|--------------|----------------------|
| Review By        | Eman             | Review On    | 6/11/2025 1:27:22 PM |
| Supervise By     | Iwona            | Supervise On | 6/11/2025 1:27:31 PM |
| SubDirectory     | LB136111         | Test         | Alkalinity           |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                      |
| 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     | WP113464,W3150   |              |                      |

| Sr# | SampleId    | ClientID       | QcType | Date           | Comment | Operator | Status |
|-----|-------------|----------------|--------|----------------|---------|----------|--------|
| 1   | LB136111BL  | LB136111BL     | MB     | 06/10/25 12:45 |         | Iwona    | OK     |
| 2   | LB136111BS  | LB136111BS     | LCS    | 06/10/25 12:50 |         | Iwona    | OK     |
| 3   | Q2250-05    | EB02-060525    | SAM    | 06/10/25 12:55 |         | Iwona    | OK     |
| 4   | Q2250-05DUP | EB02-060525DUP | DUP    | 06/10/25 13:00 |         | Iwona    | OK     |

LAB CHRONICLE

|          |                                |            |                                           |
|----------|--------------------------------|------------|-------------------------------------------|
| OrderID: | Q2250                          | OrderDate: | 6/5/2025 4:22:00 PM                       |
| Client:  | JACOBS Engineering Group, Inc. | Project:   | Former Schlumberger STC PTC Site D3868221 |
| Contact: | John Ynfante                   | Location:  | D22,N31,VOA Ref. #3 Water                 |

| LabID    | ClientID    | Matrix | Test          | Method   | Sample Date       | Prep Date | Anal Date         | Received |
|----------|-------------|--------|---------------|----------|-------------------|-----------|-------------------|----------|
| Q2250-05 | EB02-060525 | WATER  |               |          | 06/05/25<br>09:30 |           |                   | 06/05/25 |
|          |             |        | Alkalinity    | SM2320 B |                   |           | 06/10/25<br>12:55 |          |
|          |             |        | Anions Group1 | 9056A    |                   |           | 06/06/25<br>11:55 |          |
|          |             |        | TDS           | SM2540 C |                   |           | 06/06/25<br>12:30 |          |



# SHIPPING DOCUMENTS



CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs  
ADDRESS: 412 Mt. Kemble Ave., Suite 100  
CITY Morrisstown STATE: NJ ZIP: 07960  
ATTENTION: John Yinfank John.Yinfank@Jacobs.com  
PHONE: FAX:

PROJECT NAME: STC Princeton  
PROJECT NO.: D3868221 LOCATION: Princeton Junction  
PROJECT MANAGER: Mary Murphy  
E-mail: Mary.Murphy@Jacobs.com  
PHONE: FAX:

BILL TO: Mary Murphy PO#:   
ADDRESS:   
CITY STATE: ZIP:   
ATTENTION: PHONE:   
ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

Site Specific Vocs (6060B) 14-Dioxane (6020E) Total Metals (6020B) Dissolved Iron (6020B) Alkalinity (6020B) TDS (SM 2540C) Arsenic (9086) Tr

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |     |     |   |   |   |   |  | COMMENTS                |  |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|-----|-----|---|---|---|---|--|-------------------------|--|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E           | E | B/E | B/E | E | E | E |   |  | ← Specify Preservatives |  |
| 1.                       | MW-11A-13.5-060525               | GW               |                | X    | 6/5/25               | 1230 | 15           | X             | X |     |     |   |   |   |   |  | M5/M5D                  |  |
| 2.                       | MW-06-6.5-060525                 | GW               |                | X    | 6/5/25               | 1310 | 2            | X             |   |     |     |   |   |   |   |  |                         |  |
| 3.                       | EB02-060525                      | DI               |                | X    | 6/5/25               | 0930 | 10           | X             | X | X   | X   | X | X | X | X |  |                         |  |
| 4.                       | TB-01-060525                     | DI               |                | X    | 6/5/25               | 1600 | 2            | X             |   |     |     |   |   |   |   |  |                         |  |
| 5.                       |                                  |                  |                |      |                      |      |              |               |   |     |     |   |   |   |   |  |                         |  |
| 6.                       |                                  |                  |                |      |                      |      |              |               |   |     |     |   |   |   |   |  |                         |  |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |     |     |   |   |   |   |  |                         |  |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |     |     |   |   |   |   |  |                         |  |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |     |     |   |   |   |   |  |                         |  |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |     |     |   |   |   |   |  |                         |  |

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

|                          |                          |                        |                                                                                                                                                                                      |
|--------------------------|--------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME: <u>6/5/25</u> | RECEIVED BY: <u>IT</u> | Conditions of bottles or coolers at receipt: <input checked="" type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>3.2</u> °C |
| 1. <u>IT</u>             |                          | 1. <u>IT</u>           | Comments: <u>See work order for list of site specific vocs</u>                                                                                                                       |
| RELINQUISHED BY SAMPLER: | DATE/TIME:               | RECEIVED BY:           | <u>PO # 148064511</u>                                                                                                                                                                |
| 2.                       |                          | 2.                     |                                                                                                                                                                                      |
| RELINQUISHED BY SAMPLER: | DATE/TIME: <u>6.5.25</u> | RECEIVED BY:           |                                                                                                                                                                                      |
| 3. <u>IT</u>             |                          | 3.                     |                                                                                                                                                                                      |

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                |                              |
|-----------------------------------------------|--------|------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q2250                       | JACO05 | <b>Order Date :</b> 6/5/2025 4:22:00 PM        | <b>Project Mgr :</b>         |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC  | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 6/5/2025 12:00:00 AM | <b>EDD Type :</b> CH2MHILL   |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b> 17:30                  | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                | <b>Date Signoff :</b>        |

| LAB ID              | CLIENT ID                   | MATRIX           | SAMPLE DATE           | SAMPLE TIME      | TEST                    | TEST GROUP | METHOD              | FAX DATE                | DUE DATES      |
|---------------------|-----------------------------|------------------|-----------------------|------------------|-------------------------|------------|---------------------|-------------------------|----------------|
| Q2250-01            | MW-11A-13.5-060525          | Water            | 06/05/2025            | 12:30            | VOCMS Group3            |            | 8260-Low            | 10 Bus. Days            |                |
| Q2250-02            | Q2250-01MS                  | Water            | 06/05/2025            | 12:30            | VOCMS Group3            |            | 8260-Low            | 10 Bus. Days            |                |
| Q2250-03            | Q2250-01MSD                 | Water            | 06/05/2025            | 12:30            | VOCMS Group3            |            | 8260-Low            | 10 Bus. Days            |                |
| <del>Q2250-04</del> | <del>MW-06-6.5-060525</del> | <del>Water</del> | <del>06/05/2025</del> | <del>13:10</del> | <del>VOCMS Group3</del> |            | <del>8260-Low</del> | <del>10 Bus. Days</del> |                |
| Q2250-05            | EB02-060525                 | Water            | 06/05/2025            | 09:30            | VOCMS Group3            |            | 8260-Low            | 10 Bus. Days            | yg<br>06/11/25 |
| Q2250-06            | TB-01-060525                | Water            | 06/05/2025            | 16:00            | VOCMS Group3            |            | 8260-Low            | 10 Bus. Days            |                |

## LOGIN REPORT/SAMPLE TRANSFER

|                                               |        |                                                                    |                              |
|-----------------------------------------------|--------|--------------------------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q2250                       | JACO05 | <b>Order Date :</b> 6/5/2025 4:22:00 PM                            | <b>Project Mgr :</b>         |
| <b>Client Name :</b> JACOBS Engineering Grou  |        | <b>Project Name :</b> Former Schlumberger STC                      | <b>Report Type :</b> Level 4 |
| <b>Client Contact :</b> John Ynfante          |        | <b>Receive DateTime :</b> 6/5/2025 <del>12:00:00</del> AM<br>17:30 | <b>EDD Type :</b> CH2MHILL   |
| <b>Invoice Name :</b> JACOBS Engineering Grou |        | <b>Purchase Order :</b>                                            | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> John Ynfante         |        |                                                                    | <b>Date Signoff :</b>        |

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|--------|-----------|--------|-------------|-------------|------|------------|--------|----------|-----------|
|--------|-----------|--------|-------------|-------------|------|------------|--------|----------|-----------|

Relinquished By : 

Date / Time : 6/6/25 0810

SAMPLES RECEIVED ON 6/5/25  
placed in SM-REF-2

Received By : 

Date / Time : 06/06/25 2110 Rg # 4

Storage Area : VOA Refridgerator Room