

## DATA REPORTING QUALIFIERS- ORGANIC

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

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

## LAB CHRONICLE

|                 |                           |                   |                       |
|-----------------|---------------------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q3087                     | <b>OrderDate:</b> | 9/12/2025 11:04:00 AM |
| <b>Client:</b>  | Chemtech Consulting Group | <b>Project:</b>   | Weekly Storage Blanks |
| <b>Contact:</b> | QA Officer                | <b>Location:</b>  | D31,VOA Ref. #3 Water |

| LabID           | ClientID                                    | Matrix       | Test               | Method   | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|---------------------------------------------|--------------|--------------------|----------|-----------------|-----------|-----------|-----------------|
| <b>Q3087-01</b> | <b>STORAGE-BLANK-SOI<br/>L-REF-6</b>        | <b>Water</b> |                    |          | <b>09/05/25</b> |           |           | <b>09/12/25</b> |
|                 |                                             |              | VOC- Chemtech Full | 8260-Low |                 |           | 09/16/25  |                 |
| <b>Q3087-02</b> | <b>STORAGE-BLANK-WAT<br/>ER-REF-5</b>       | <b>Water</b> |                    |          | <b>09/05/25</b> |           |           | <b>09/12/25</b> |
|                 |                                             |              | VOC- Chemtech Full | 8260-Low |                 |           | 09/16/25  |                 |
| <b>Q3087-03</b> | <b>STORAGE-BLANK-WAT<br/>ER-REF-4</b>       | <b>Water</b> |                    |          | <b>09/05/25</b> |           |           | <b>09/12/25</b> |
|                 |                                             |              | VOC- Chemtech Full | 8260-Low |                 |           | 09/16/25  |                 |
| <b>Q3087-04</b> | <b>STORAGE-BLANK-SAM<br/>PLE-MANAGEMENT</b> | <b>Water</b> |                    |          | <b>09/05/25</b> |           |           | <b>09/12/25</b> |
|                 |                                             |              | VOC- Chemtech Full | 8260-Low |                 |           | 09/16/25  |                 |



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

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

**SDG No.:** Q3087

**Client:** Chemtech Consulting Group

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

**Client ID:**

0

**Total Voc :**

**Total Concentration:**



# QC SUMMARY

## Surrogate Summary

SDG No.: **Q3087**

Client: **Chemtech Consulting Group**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID                  | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|----------------------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |                            |                       |       |        |              |      | Low        | High |
| Q3087-01      | STORAGE-BLANK-SAMPLE-MANAC | 1,2-Dichloroethane-d4 | 50    | 48.2   | 96           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 48.9   | 98           |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 47.2   | 94           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 49.5   | 99           |      | 77         | 121  |
| Q3087-02      | STORAGE-BLANK-WATER-REF-5  | 1,2-Dichloroethane-d4 | 50    | 46.7   | 93           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 49.0   | 98           |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 46.1   | 92           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 47.2   | 94           |      | 77         | 121  |
| Q3087-03      | STORAGE-BLANK-WATER-REF-4  | 1,2-Dichloroethane-d4 | 50    | 45.5   | 91           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 49.0   | 98           |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 45.7   | 91           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 46.7   | 93           |      | 77         | 121  |
| Q3087-04      | STORAGE-BLANK-SAMPLE-MANAC | 1,2-Dichloroethane-d4 | 50    | 45.5   | 91           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 48.9   | 98           |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 47.3   | 95           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 46.2   | 92           |      | 77         | 121  |
| VN0916WBL01   | VN0916WBL01                | 1,2-Dichloroethane-d4 | 50    | 49.1   | 98           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 47.1   | 94           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 45.7   | 91           |      | 77         | 121  |
| VN0916WBS01   | VN0916WBS01                | 1,2-Dichloroethane-d4 | 50    | 44.1   | 88           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 47.5   | 95           |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 45.0   | 90           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 46.8   | 94           |      | 77         | 121  |
| VN0916WBSD0   | VN0916WBSD01               | 1,2-Dichloroethane-d4 | 50    | 43.5   | 87           |      | 74         | 125  |
|               |                            | Dibromofluoromethane  | 50    | 48.6   | 97           |      | 75         | 124  |
|               |                            | Toluene-d8            | 50    | 45.6   | 91           |      | 86         | 113  |
|               |                            | 4-Bromofluorobenzene  | 50    | 46.4   | 93           |      | 77         | 121  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                  |                    |                   |
|----------|----------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3087</u>                     | Analytical Method: | <u>SW8260-Low</u> |
| Client:  | <u>Chemtech Consulting Group</u> | Datafile :         | <u>VN087850.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0916WBS01   | Dichlorodifluoromethane        | 20    | 18.5   | ug/L | 93  |     |      | 69  | 116            |     |
|               | Chloromethane                  | 20    | 19.0   | ug/L | 95  |     |      | 65  | 116            |     |
|               | Vinyl chloride                 | 20    | 17.9   | ug/L | 90  |     |      | 65  | 117            |     |
|               | Ethyl Acetate                  | 20    | 17.3   | ug/L | 86  |     |      | 75  | 115            |     |
|               | Bromomethane                   | 20    | 19.8   | ug/L | 99  |     |      | 58  | 125            |     |
|               | Chloroethane                   | 20    | 18.1   | ug/L | 91  |     |      | 56  | 128            |     |
|               | Trichlorofluoromethane         | 20    | 19.4   | ug/L | 97  |     |      | 73  | 115            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.3   | ug/L | 92  |     |      | 80  | 112            |     |
|               | Tert butyl alcohol             | 100   | 90.0   | ug/L | 90  |     |      | 48  | 142            |     |
|               | 1,1-Dichloroethene             | 20    | 18.2   | ug/L | 91  |     |      | 74  | 110            |     |
|               | Acrolein                       | 100   | 72.8   | ug/L | 73  |     |      | 28  | 144            |     |
|               | Acrylonitrile                  | 100   | 92.9   | ug/L | 93  |     |      | 73  | 113            |     |
|               | Acetone                        | 100   | 75.9   | ug/L | 76  |     |      | 60  | 125            |     |
|               | Carbon disulfide               | 20    | 19.4   | ug/L | 97  |     |      | 64  | 112            |     |
|               | Methyl tert-butyl Ether        | 20    | 18.0   | ug/L | 90  |     |      | 78  | 114            |     |
|               | Methyl Acetate                 | 20    | 19.6   | ug/L | 98  |     |      | 67  | 125            |     |
|               | Methylene Chloride             | 20    | 19.2   | ug/L | 96  |     |      | 72  | 114            |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.3   | ug/L | 92  |     |      | 75  | 108            |     |
|               | Vinyl Acetate                  | 100   | 87.4   | ug/L | 87  |     |      | 76  | 115            |     |
|               | 1,1-Dichloroethane             | 20    | 18.0   | ug/L | 90  |     |      | 78  | 112            |     |
|               | Cyclohexane                    | 20    | 17.7   | ug/L | 89  |     |      | 75  | 110            |     |
|               | 2-Butanone                     | 100   | 87.0   | ug/L | 87  |     |      | 65  | 122            |     |
|               | Carbon Tetrachloride           | 20    | 19.2   | ug/L | 96  |     |      | 77  | 113            |     |
|               | 2,2-Dichloropropane            | 20    | 17.0   | ug/L | 85  |     |      | 56  | 164            |     |
|               | cis-1,2-Dichloroethene         | 20    | 19.4   | ug/L | 97  |     |      | 77  | 110            |     |
|               | Bromochloromethane             | 20    | 17.9   | ug/L | 90  |     |      | 70  | 124            |     |
|               | Chloroform                     | 20    | 18.9   | ug/L | 95  |     |      | 79  | 113            |     |
|               | 1,1,1-Trichloroethane          | 20    | 18.7   | ug/L | 94  |     |      | 80  | 108            |     |
|               | Methylcyclohexane              | 20    | 17.4   | ug/L | 87  |     |      | 72  | 115            |     |
|               | 1,1-Dichloropropene            | 20    | 17.6   | ug/L | 88  |     |      | 79  | 110            |     |
|               | Benzene                        | 20    | 19.1   | ug/L | 96  |     |      | 82  | 109            |     |
|               | 1,2-Dichloroethane             | 20    | 18.1   | ug/L | 91  |     |      | 80  | 115            |     |
|               | Trichloroethene                | 20    | 18.9   | ug/L | 95  |     |      | 77  | 113            |     |
|               | 1,2-Dichloropropane            | 20    | 18.4   | ug/L | 92  |     |      | 83  | 111            |     |
|               | Dibromomethane                 | 20    | 18.8   | ug/L | 94  |     |      | 82  | 110            |     |
|               | Bromodichloromethane           | 20    | 19.1   | ug/L | 96  |     |      | 83  | 110            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 92.8   | ug/L | 93  |     |      | 74  | 118            |     |
|               | Toluene                        | 20    | 18.6   | ug/L | 93  |     |      | 82  | 110            |     |
|               | t-1,3-Dichloropropene          | 20    | 17.9   | ug/L | 90  |     |      | 79  | 110            |     |
|               | cis-1,3-Dichloropropene        | 20    | 18.7   | ug/L | 94  |     |      | 82  | 110            |     |
|               | 1,1,2-Trichloroethane          | 20    | 19.4   | ug/L | 97  |     |      | 83  | 112            |     |
|               | 1,3-Dichloropropane            | 20    | 19.0   | ug/L | 95  |     |      | 83  | 111            |     |
|               | 2-Chloroethyl vinyl ether      | 100   | 88.7   | ug/L | 89  |     |      | 75  | 124            |     |
|               | 2-Hexanone                     | 100   | 90.1   | ug/L | 90  |     |      | 73  | 117            |     |
|               | Dibromochloromethane           | 20    | 18.9   | ug/L | 95  |     |      | 82  | 110            |     |
|               | 1,2-Dibromoethane              | 20    | 19.0   | ug/L | 95  |     |      | 81  | 110            |     |
|               | Tetrachloroethene              | 20    | 19.2   | ug/L | 96  |     |      | 67  | 123            |     |
|               | Chlorobenzene                  | 20    | 19.2   | ug/L | 96  |     |      | 82  | 109            |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |                                         |                           |                          |
|-----------------|-----------------------------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3087</b></u>                     | <b>Analytical Method:</b> | <u><b>SW8260-Low</b></u> |
| <b>Client:</b>  | <u><b>Chemtech Consulting Group</b></u> | <b>Datafile :</b>         | <u><b>VN087850.D</b></u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0916WBS01   | 1,1,1,2-Tetrachloroethane   | 20    | 20.5   | ug/L | 103 |     |      | 84  | 111            |     |
|               | Hexachloroethane            | 20    | 17.9   | ug/L | 90  |     |      | 80  | 113            |     |
|               | Ethyl Benzene               | 20    | 18.2   | ug/L | 91  |     |      | 83  | 109            |     |
|               | m/p-Xylenes                 | 40    | 37.6   | ug/L | 94  |     |      | 82  | 110            |     |
|               | o-Xylene                    | 20    | 18.8   | ug/L | 94  |     |      | 83  | 109            |     |
|               | Styrene                     | 20    | 18.8   | ug/L | 94  |     |      | 80  | 111            |     |
|               | Bromoform                   | 20    | 21.0   | ug/L | 105 |     |      | 79  | 109            |     |
|               | Isopropylbenzene            | 20    | 16.7   | ug/L | 84  |     |      | 83  | 112            |     |
|               | 1,1,2,2-Tetrachloroethane   | 20    | 17.5   | ug/L | 88  |     |      | 76  | 118            |     |
|               | 1,2,3-Trichloropropane      | 20    | 17.6   | ug/L | 88  |     |      | 75  | 112            |     |
|               | Bromobenzene                | 20    | 17.8   | ug/L | 89  |     |      | 77  | 116            |     |
|               | N-propylbenzene             | 20    | 17.1   | ug/L | 86  |     |      | 83  | 112            |     |
|               | 2-Chlorotoluene             | 20    | 17.0   | ug/L | 85  |     |      | 83  | 110            |     |
|               | 1,3,5-Trimethylbenzene      | 20    | 16.7   | ug/L | 84  |     | *    | 85  | 112            |     |
|               | 4-Chlorotoluene             | 20    | 16.6   | ug/L | 83  |     |      | 82  | 110            |     |
|               | tert-Butylbenzene           | 20    | 17.0   | ug/L | 85  |     |      | 83  | 112            |     |
|               | 1,2,4-Trimethylbenzene      | 20    | 17.3   | ug/L | 86  |     |      | 85  | 111            |     |
|               | Sec-butylbenzene            | 20    | 17.2   | ug/L | 86  |     |      | 81  | 114            |     |
|               | p-Isopropyltoluene          | 20    | 16.9   | ug/L | 85  |     |      | 78  | 116            |     |
|               | 1,3-Dichlorobenzene         | 20    | 18.0   | ug/L | 90  |     |      | 82  | 108            |     |
|               | 1,4-Dichlorobenzene         | 20    | 18.2   | ug/L | 91  |     |      | 82  | 107            |     |
|               | n-Butylbenzene              | 20    | 16.4   | ug/L | 82  |     |      | 75  | 115            |     |
|               | 1,2-Dichlorobenzene         | 20    | 17.9   | ug/L | 90  |     |      | 82  | 109            |     |
|               | 1,2-Dibromo-3-Chloropropane | 20    | 16.4   | ug/L | 82  |     |      | 68  | 112            |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.0   | ug/L | 90  |     |      | 75  | 113            |     |
|               | Hexachlorobutadiene         | 20    | 19.0   | ug/L | 95  |     |      | 81  | 121            |     |
|               | Naphthalene                 | 20    | 16.3   | ug/L | 81  |     |      | 78  | 119            |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 17.8   | ug/L | 89  |     |      | 76  | 114            |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                  |                    |                   |
|----------|----------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3087</u>                     | Analytical Method: | <u>SW8260-Low</u> |
| Client:  | <u>Chemtech Consulting Group</u> | Datafile :         | <u>VN087851.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0916WBSD01  | Dichlorodifluoromethane        | 20    | 19.0   | ug/L | 95  | 2   |      | 69  | 116            | 19  |
|               | Chloromethane                  | 20    | 18.4   | ug/L | 92  | 3   |      | 65  | 116            | 21  |
|               | Vinyl chloride                 | 20    | 18.4   | ug/L | 92  | 2   |      | 65  | 117            | 19  |
|               | Ethyl Acetate                  | 20    | 16.5   | ug/L | 83  | 4   |      | 75  | 115            | 27  |
|               | Bromomethane                   | 20    | 19.5   | ug/L | 98  | 1   |      | 58  | 125            | 20  |
|               | Chloroethane                   | 20    | 16.9   | ug/L | 85  | 7   |      | 56  | 128            | 20  |
|               | Trichlorofluoromethane         | 20    | 19.7   | ug/L | 99  | 2   |      | 73  | 115            | 16  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.5   | ug/L | 93  | 1   |      | 80  | 112            | 15  |
|               | Tert butyl alcohol             | 100   | 92.9   | ug/L | 93  | 3   |      | 48  | 142            | 30  |
|               | 1,1-Dichloroethene             | 20    | 17.6   | ug/L | 88  | 3   |      | 74  | 110            | 20  |
|               | Acrolein                       | 100   | 74.1   | ug/L | 74  | 1   |      | 28  | 144            | 30  |
|               | Acrylonitrile                  | 100   | 88.9   | ug/L | 89  | 4   |      | 73  | 113            | 29  |
|               | Acetone                        | 100   | 71.9   | ug/L | 72  | 5   |      | 60  | 125            | 20  |
|               | Carbon disulfide               | 20    | 18.7   | ug/L | 94  | 3   |      | 64  | 112            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 17.0   | ug/L | 85  | 6   |      | 78  | 114            | 20  |
|               | Methyl Acetate                 | 20    | 18.6   | ug/L | 93  | 5   |      | 67  | 125            | 20  |
|               | Methylene Chloride             | 20    | 18.4   | ug/L | 92  | 4   |      | 72  | 114            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 17.6   | ug/L | 88  | 4   |      | 75  | 108            | 16  |
|               | Vinyl Acetate                  | 100   | 75.0   | ug/L | 75  | 15  | *    | 76  | 115            | 26  |
|               | 1,1-Dichloroethane             | 20    | 17.5   | ug/L | 88  | 2   |      | 78  | 112            | 20  |
|               | Cyclohexane                    | 20    | 18.1   | ug/L | 91  | 2   |      | 75  | 110            | 20  |
|               | 2-Butanone                     | 100   | 84.2   | ug/L | 84  | 4   |      | 65  | 122            | 26  |
|               | Carbon Tetrachloride           | 20    | 19.7   | ug/L | 99  | 3   |      | 77  | 113            | 15  |
|               | 2,2-Dichloropropane            | 20    | 16.6   | ug/L | 83  | 2   |      | 56  | 164            | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 18.2   | ug/L | 91  | 6   |      | 77  | 110            | 20  |
|               | Bromochloromethane             | 20    | 17.4   | ug/L | 87  | 3   |      | 70  | 124            | 20  |
|               | Chloroform                     | 20    | 18.0   | ug/L | 90  | 5   |      | 79  | 113            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 18.1   | ug/L | 91  | 3   |      | 80  | 108            | 20  |
|               | Methylcyclohexane              | 20    | 18.5   | ug/L | 93  | 7   |      | 72  | 115            | 20  |
|               | 1,1-Dichloropropene            | 20    | 17.9   | ug/L | 90  | 2   |      | 79  | 110            | 16  |
|               | Benzene                        | 20    | 18.9   | ug/L | 95  | 1   |      | 82  | 109            | 15  |
|               | 1,2-Dichloroethane             | 20    | 18.0   | ug/L | 90  | 1   |      | 80  | 115            | 20  |
|               | Trichloroethene                | 20    | 19.8   | ug/L | 99  | 4   |      | 77  | 113            | 15  |
|               | 1,2-Dichloropropane            | 20    | 18.4   | ug/L | 92  | 0   |      | 83  | 111            | 16  |
|               | Dibromomethane                 | 20    | 19.4   | ug/L | 97  | 3   |      | 82  | 110            | 20  |
|               | Bromodichloromethane           | 20    | 19.2   | ug/L | 96  | 0   |      | 83  | 110            | 16  |
|               | 4-Methyl-2-Pentanone           | 100   | 92.1   | ug/L | 92  | 1   |      | 74  | 118            | 25  |
|               | Toluene                        | 20    | 18.7   | ug/L | 94  | 1   |      | 82  | 110            | 16  |
|               | t-1,3-Dichloropropene          | 20    | 18.3   | ug/L | 92  | 2   |      | 79  | 110            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 17.9   | ug/L | 90  | 4   |      | 82  | 110            | 16  |
|               | 1,1,2-Trichloroethane          | 20    | 20.1   | ug/L | 101 | 4   |      | 83  | 112            | 20  |
|               | 1,3-Dichloropropane            | 20    | 19.0   | ug/L | 95  | 0   |      | 83  | 111            | 20  |
|               | 2-Chloroethyl vinyl ether      | 100   | 86.1   | ug/L | 86  | 3   |      | 75  | 124            | 20  |
|               | 2-Hexanone                     | 100   | 89.5   | ug/L | 90  | 0   |      | 73  | 117            | 25  |
|               | Dibromochloromethane           | 20    | 19.1   | ug/L | 96  | 1   |      | 82  | 110            | 20  |
|               | 1,2-Dibromoethane              | 20    | 18.6   | ug/L | 93  | 2   |      | 81  | 110            | 20  |
|               | Tetrachloroethene              | 20    | 19.7   | ug/L | 99  | 3   |      | 67  | 123            | 15  |
|               | Chlorobenzene                  | 20    | 19.0   | ug/L | 95  | 1   |      | 82  | 109            | 15  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |                                         |                           |                          |
|-----------------|-----------------------------------------|---------------------------|--------------------------|
| <b>SDG No.:</b> | <u><b>Q3087</b></u>                     | <b>Analytical Method:</b> | <u><b>SW8260-Low</b></u> |
| <b>Client:</b>  | <u><b>Chemtech Consulting Group</b></u> | <b>Datafile :</b>         | <u><b>VN087851.D</b></u> |

| Lab Sample ID       | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| <b>VN0916WBSD01</b> | 1,1,1,2-Tetrachloroethane   | 20    | 20.2   | ug/L | 101 | 2   |      | 84  | 111            | 20  |
|                     | Hexachloroethane            | 20    | 19.3   | ug/L | 97  | 7   |      | 80  | 113            | 20  |
|                     | Ethyl Benzene               | 20    | 18.7   | ug/L | 94  | 3   |      | 83  | 109            | 16  |
|                     | m/p-Xylenes                 | 40    | 39.2   | ug/L | 98  | 4   |      | 82  | 110            | 15  |
|                     | o-Xylene                    | 20    | 19.5   | ug/L | 98  | 4   |      | 83  | 109            | 20  |
|                     | Styrene                     | 20    | 19.0   | ug/L | 95  | 1   |      | 80  | 111            | 17  |
|                     | Bromoform                   | 20    | 21.1   | ug/L | 106 | 1   |      | 79  | 109            | 20  |
|                     | Isopropylbenzene            | 20    | 17.4   | ug/L | 87  | 4   |      | 83  | 112            | 29  |
|                     | 1,1,2,2-Tetrachloroethane   | 20    | 18.5   | ug/L | 93  | 6   |      | 76  | 118            | 20  |
|                     | 1,2,3-Trichloropropane      | 20    | 17.6   | ug/L | 88  | 0   |      | 75  | 112            | 20  |
|                     | Bromobenzene                | 20    | 18.9   | ug/L | 95  | 7   |      | 77  | 116            | 20  |
|                     | N-propylbenzene             | 20    | 18.1   | ug/L | 91  | 6   |      | 83  | 112            | 20  |
|                     | 2-Chlorotoluene             | 20    | 17.4   | ug/L | 87  | 2   |      | 83  | 110            | 20  |
|                     | 1,3,5-Trimethylbenzene      | 20    | 17.8   | ug/L | 89  | 6   |      | 85  | 112            | 20  |
|                     | 4-Chlorotoluene             | 20    | 17.2   | ug/L | 86  | 4   |      | 82  | 110            | 20  |
|                     | tert-Butylbenzene           | 20    | 18.5   | ug/L | 93  | 9   |      | 83  | 112            | 20  |
|                     | 1,2,4-Trimethylbenzene      | 20    | 18.0   | ug/L | 90  | 5   |      | 85  | 111            | 20  |
|                     | Sec-butylbenzene            | 20    | 18.4   | ug/L | 92  | 7   |      | 81  | 114            | 20  |
|                     | p-Isopropyltoluene          | 20    | 18.9   | ug/L | 95  | 11  |      | 78  | 116            | 20  |
|                     | 1,3-Dichlorobenzene         | 20    | 18.8   | ug/L | 94  | 4   |      | 82  | 108            | 20  |
|                     | 1,4-Dichlorobenzene         | 20    | 18.2   | ug/L | 91  | 0   |      | 82  | 107            | 15  |
|                     | n-Butylbenzene              | 20    | 17.7   | ug/L | 89  | 8   |      | 75  | 115            | 20  |
|                     | 1,2-Dichlorobenzene         | 20    | 19.3   | ug/L | 97  | 7   |      | 82  | 109            | 20  |
|                     | 1,2-Dibromo-3-Chloropropane | 20    | 16.9   | ug/L | 85  | 4   |      | 68  | 112            | 20  |
|                     | 1,2,4-Trichlorobenzene      | 20    | 19.0   | ug/L | 95  | 5   |      | 75  | 113            | 29  |
|                     | Hexachlorobutadiene         | 20    | 20.9   | ug/L | 104 | 9   |      | 81  | 121            | 20  |
|                     | Naphthalene                 | 20    | 17.3   | ug/L | 86  | 6   |      | 78  | 119            | 20  |
|                     | 1,2,3-Trichlorobenzene      | 20    | 18.6   | ug/L | 93  | 4   |      | 76  | 114            | 29  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0916WBL01

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3087

Lab File ID: VN087849.D

Lab Sample ID: VN0916WBL01

Date Analyzed: 09/16/2025

Time Analyzed: 15:04

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 |
|---------------------------------|------------------|----------------|------------------|
| VN0916WBS01                     | VN0916WBS01      | VN087850.D     | 09/16/2025       |
| VN0916WBSD01                    | VN0916WBSD01     | VN087851.D     | 09/16/2025       |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | Q3087-01         | VN087863.D     | 09/16/2025       |
| STORAGE-BLANK-WATER-REF-5       | Q3087-02         | VN087864.D     | 09/16/2025       |
| STORAGE-BLANK-WATER-REF-4       | Q3087-03         | VN087865.D     | 09/16/2025       |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | Q3087-04         | VN087866.D     | 09/16/2025       |

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



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3087

Lab File ID: VN087614.D

BFB Injection Date: 08/21/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 09:30

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            | 25.8                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7.3                  |
| 173 | Less than 2.0% of mass 174         | 1.1 ( 1.6 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 69                   |
| 175 | 5.0 - 9.0% of mass 174             | 5.6 ( 8.1 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 67.7 ( 98.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 7.1 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VN087619.D  | 08/21/2025    | 12:09         |
| VSTDIC005 | VSTDIC005     | VN087620.D  | 08/21/2025    | 13:08         |
| VSTDIC020 | VSTDIC020     | VN087621.D  | 08/21/2025    | 13:41         |
| VSTDIC050 | VSTDIC050     | VN087622.D  | 08/21/2025    | 14:02         |
| VSTDIC100 | VSTDIC100     | VN087623.D  | 08/21/2025    | 14:23         |
| VSTDIC150 | VSTDIC150     | VN087624.D  | 08/21/2025    | 14:44         |



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CHEM02

Lab Code: ACE

SDG NO.: Q3087

Lab File ID: VN087846.D

BFB Injection Date: 09/16/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 11:25

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            | 22.6                 |
| 75  | 30.0 - 60.0% of mass 95            | 55.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 5.7                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 72.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 4.5 ( 6.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.1 ( 97.1 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.5 ( 6.4 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID                       | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---------------------------------|---------------|-------------|---------------|---------------|
| VSTDCCC050                      | VSTDCCC050    | VN087847.D  | 09/16/2025    | 13:55         |
| VN0916WBL01                     | VN0916WBL01   | VN087849.D  | 09/16/2025    | 15:04         |
| VN0916WBS01                     | VN0916WBS01   | VN087850.D  | 09/16/2025    | 15:25         |
| VN0916WBSD01                    | VN0916WBSD01  | VN087851.D  | 09/16/2025    | 15:46         |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | Q3087-01      | VN087863.D  | 09/16/2025    | 20:01         |
| STORAGE-BLANK-WATER-REF-5       | Q3087-02      | VN087864.D  | 09/16/2025    | 20:22         |
| STORAGE-BLANK-WATER-REF-4       | Q3087-03      | VN087865.D  | 09/16/2025    | 20:43         |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | Q3087-04      | VN087866.D  | 09/16/2025    | 21:05         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02  
Lab Code: ACE SDG NO.: Q3087  
Lab File ID: VN087847.D Date Analyzed: 09/16/2025  
Instrument ID: MSVOA\_N Time Analyzed: 13:55  
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                     | 239136        | 8.21  | 433645        | 9.08  | 409197        | 11.85  |
| UPPER LIMIT                     | 478272        | 8.706 | 867290        | 9.583 | 818394        | 12.347 |
| LOWER LIMIT                     | 119568        | 7.706 | 216823        | 8.583 | 204599        | 11.347 |
| EPA SAMPLE NO.                  |               |       |               |       |               |        |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | 236522        | 8.21  | 523081        | 9.08  | 508812        | 11.84  |
| STORAGE-BLANK-WATER-REF-5       | 209912        | 8.21  | 469608        | 9.08  | 443047        | 11.85  |
| STORAGE-BLANK-WATER-REF-4       | 207761        | 8.21  | 456514        | 9.08  | 428063        | 11.85  |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | 203329        | 8.21  | 445964        | 9.08  | 423965        | 11.85  |
| VN0916WBL01                     | 184438        | 8.21  | 413572        | 9.08  | 397360        | 11.85  |
| VN0916WBS01                     | 212441        | 8.21  | 416535        | 9.08  | 384629        | 11.85  |
| VN0916WBSD01                    | 229272        | 8.21  | 433869        | 9.08  | 392898        | 11.85  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CHEM02  
 Lab Code: ACE SDG NO.: Q3087  
 Lab File ID: VN087847.D Date Analyzed: 09/16/2025  
 Instrument ID: MSVOA\_N Time Analyzed: 13:55  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                                 | IS4<br>AREA # | RT #  |  |  |  |  |
|---------------------------------|---------------|-------|--|--|--|--|
| 12 HOUR STD                     | 226483        | 13.77 |  |  |  |  |
| UPPER LIMIT                     | 452966        | 14.27 |  |  |  |  |
| LOWER LIMIT                     | 113242        | 13.27 |  |  |  |  |
| EPA SAMPLE NO.                  |               |       |  |  |  |  |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | 261215        | 13.77 |  |  |  |  |
| STORAGE-BLANK-WATER-REF-5       | 209847        | 13.77 |  |  |  |  |
| STORAGE-BLANK-WATER-REF-4       | 206680        | 13.77 |  |  |  |  |
| STORAGE-BLANK-SAMPLE-MANAGEMENT | 206726        | 13.77 |  |  |  |  |
| VN0916WBL01                     | 180365        | 13.77 |  |  |  |  |
| VN0916WBS01                     | 210239        | 13.77 |  |  |  |  |
| VN0916WBSD01                    | 209579        | 13.77 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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



# SAMPLE DATA

### Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-SOIL-1  
 Lab Sample ID: Q3087-01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 141-78-6       | Ethyl Acetate                  | 0.31  | U    | 1  | 0.31  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U    | 1  | 5.50  | 25.0       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 107-02-8       | Acrolein                       | 7.10  | U    | 1  | 7.10  | 25.0       | ug/L  | 09/16/25 20:01 | VN091625 |
| 107-13-1       | Acrylonitrile                  | 0.83  | U    | 1  | 0.83  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 108-05-4       | Vinyl Acetate                  | 0.66  | U    | 1  | 0.66  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 594-20-7       | 2,2-Dichloropropane            | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 563-58-6       | 1,1-Dichloropropene            | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 74-95-3        | Dibromomethane                 | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 142-28-9       | 1,3-Dichloropropane            | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 20:01 | VN091625 |
| 110-75-8       | 2-Chloroethyl Vinyl ether      | 0.30  | U    | 1  | 0.30  | 5.00       | ug/L  | 09/16/25 20:01 | VN091625 |



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

## Report of Analysis

Client: Chemtech Consulting Group  
Project: Weekly Storage Blanks  
Client Sample ID: STORAGE-BLANK-SOIL-1  
Lab Sample ID: Q3087-01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 09/05/25  
Date Received: 09/12/25  
SDG No.: Q3087  
Matrix: Water  
% Solid: 0  
Test: VOC- Chemtech Full

| CAS Number                | Parameter                   | Conc.  | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|--------|------|----|----------|------------|---------|----------------|----------|
| 591-78-6                  | 2-Hexanone                  | 0.89   | U    | 1  | 0.89     | 5.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U    | 1  | 0.18     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 106-93-4                  | 1,2-Dibromoethane           | 0.15   | U    | 1  | 0.15     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 127-18-4                  | Tetrachloroethene           | 0.23   | U    | 1  | 0.23     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 108-90-7                  | Chlorobenzene               | 0.12   | U    | 1  | 0.12     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 630-20-6                  | 1,1,1,2-Tetrachloroethane   | 0.19   | U    | 1  | 0.19     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 67-72-1                   | Hexachloroethane            | 0.32   | U    | 1  | 0.32     | 0          | ug/L    | 09/16/25 20:01 | VN091625 |
| 100-41-4                  | Ethyl Benzene               | 0.13   | U    | 1  | 0.13     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 179601-23-1               | m/p-Xylenes                 | 0.24   | U    | 1  | 0.24     | 2.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 95-47-6                   | o-Xylene                    | 0.12   | U    | 1  | 0.12     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 100-42-5                  | Styrene                     | 0.15   | U    | 1  | 0.15     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 75-25-2                   | Bromoform                   | 0.19   | U    | 1  | 0.19     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 98-82-8                   | Isopropylbenzene            | 0.12   | U    | 1  | 0.12     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26   | U    | 1  | 0.26     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 96-18-4                   | 1,2,3-Trichloropropane      | 0.35   | U    | 1  | 0.35     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 108-86-1                  | Bromobenzene                | 0.24   | U    | 1  | 0.24     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 103-65-1                  | n-propylbenzene             | 0.13   | U    | 1  | 0.13     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 95-49-8                   | 2-Chlorotoluene             | 0.14   | U    | 1  | 0.14     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 0.15   | U    | 1  | 0.15     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 106-43-4                  | 4-Chlorotoluene             | 0.13   | U    | 1  | 0.13     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 98-06-6                   | tert-Butylbenzene           | 0.14   | U    | 1  | 0.14     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 0.14   | U    | 1  | 0.14     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 135-98-8                  | sec-Butylbenzene            | 0.13   | U    | 1  | 0.13     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 99-87-6                   | p-Isopropyltoluene          | 0.13   | U    | 1  | 0.13     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16   | U    | 1  | 0.16     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19   | U    | 1  | 0.19     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 104-51-8                  | n-Butylbenzene              | 0.15   | U    | 1  | 0.15     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U    | 1  | 0.16     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53   | U    | 1  | 0.53     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20   | U    | 1  | 0.20     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 87-68-3                   | Hexachlorobutadiene         | 0.30   | U    | 1  | 0.30     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 91-20-3                   | Naphthalene                 | 0.20   | U    | 1  | 0.20     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20   | U    | 1  | 0.20     | 1.00       | ug/L    | 09/16/25 20:01 | VN091625 |
| <b>SURROGATES</b>         |                             |        |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 48.2   |      |    | 74 - 125 | 96%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 48.9   |      |    | 75 - 124 | 98%        | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 47.2   |      |    | 86 - 113 | 94%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.5   |      |    | 77 - 121 | 99%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |        |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 237000 |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 523000 |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 509000 |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 261000 |      |    |          |            |         |                |          |



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

## Report of Analysis

|                    |                           |                 |                    |
|--------------------|---------------------------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 09/05/25           |
| Project:           | Weekly Storage Blanks     | Date Received:  | 09/12/25           |
| Client Sample ID:  | STORAGE-BLANK-SOIL-]      | SDG No.:        | Q3087              |
| Lab Sample ID:     | Q3087-01                  | Matrix:         | Water              |
| Analytical Method: | 8260D                     | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5 mL                      | Test:           | VOC- Chemtech Full |
|                    | Level: LOW                |                 |                    |
|                    | Final Vol: 5000 uL        |                 |                    |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087863.D  
 Acq On : 16 Sep 2025 20:01  
 Operator : JC\MD  
 Sample : Q3087-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Sep 17 01:30:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 236522   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 523081   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 508812   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 261215   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 233622   | 48.209   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 96.420% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 184824   | 48.939   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.880% |
| 50) Toluene-d8              | 10.547 | 98    | 666821   | 47.174   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.340% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 248887   | 49.511   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 99.020% |

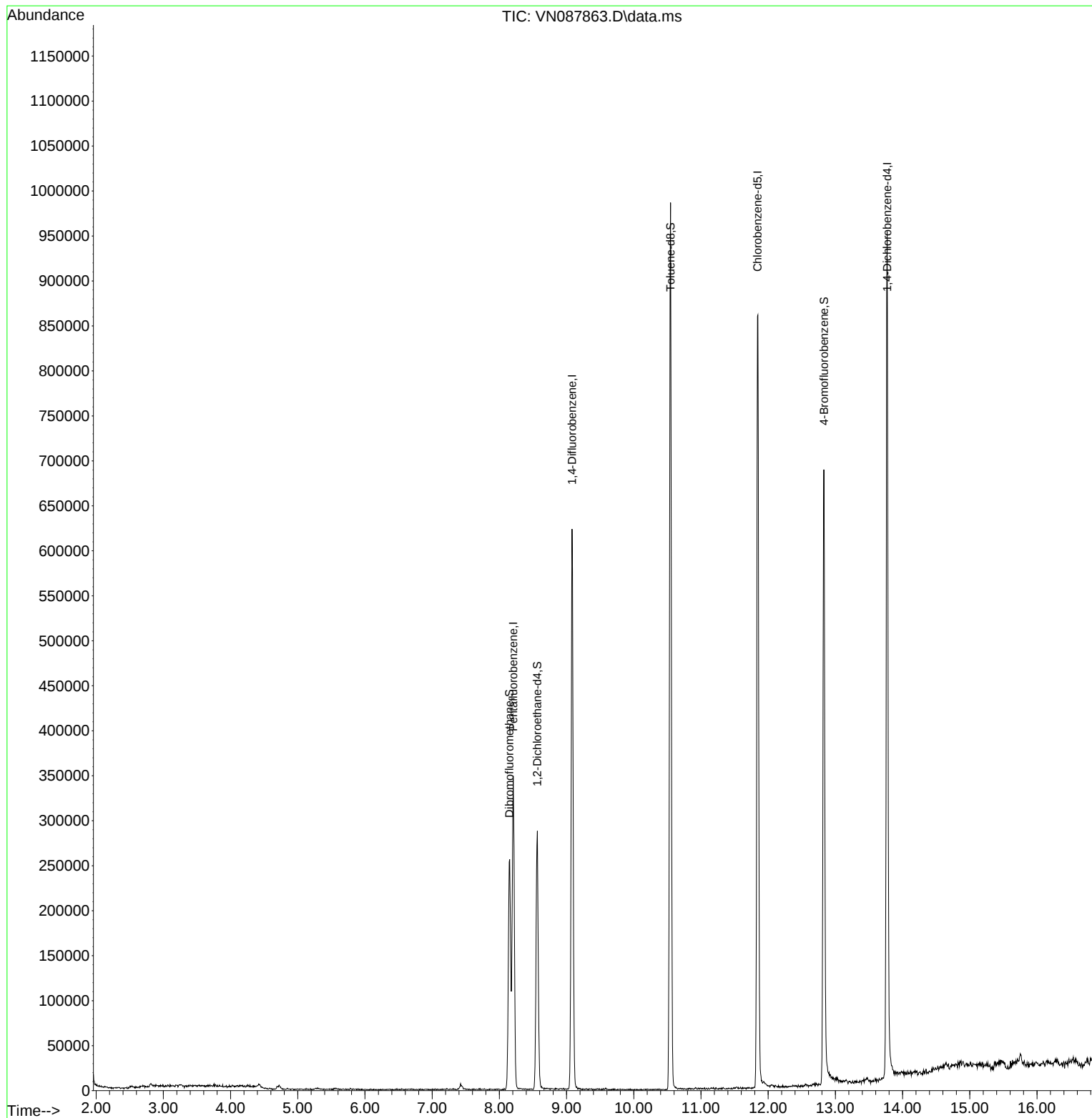
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

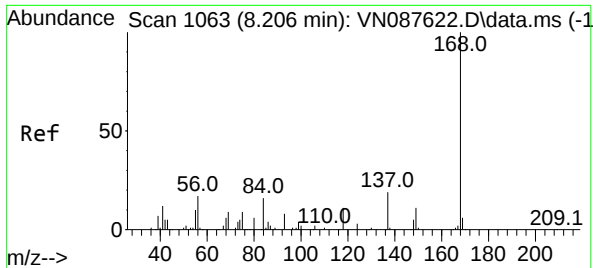
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087863.D  
Acq On : 16 Sep 2025 20:01  
Operator : JC\MD  
Sample : Q3087-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Sep 17 01:30:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

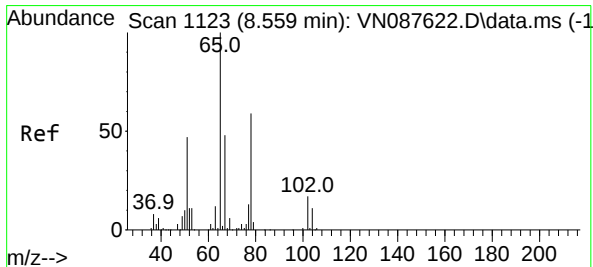
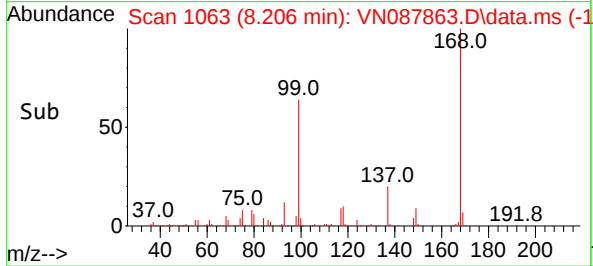
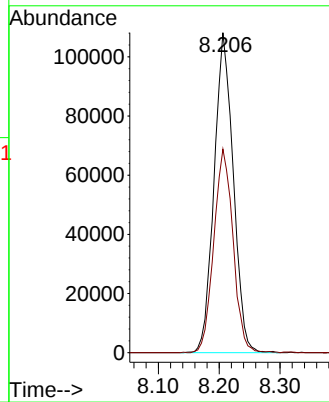
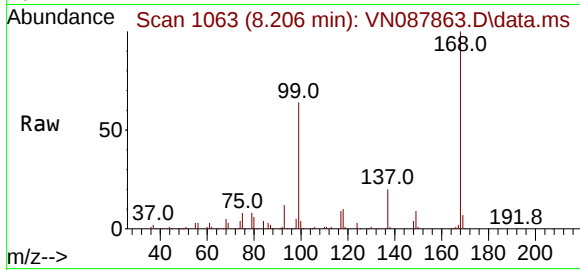




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087863.D  
Acq: 16 Sep 2025 20:01

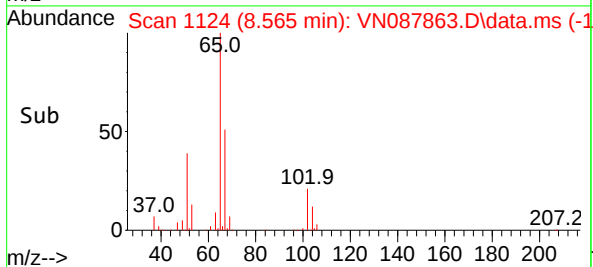
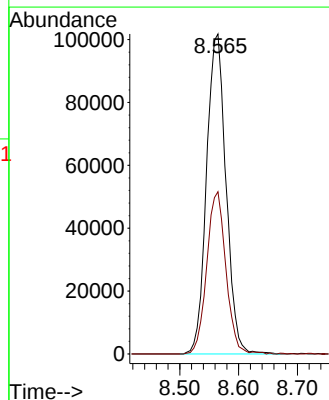
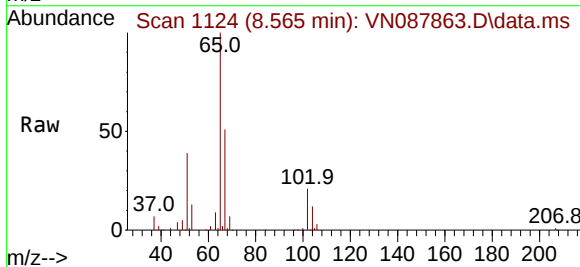
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

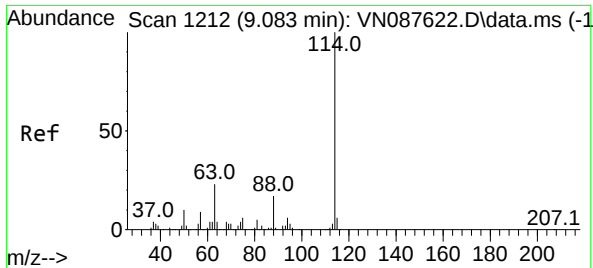
Tgt Ion:168 Resp: 236522  
Ion Ratio Lower Upper  
168 100  
99 63.6 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 48.209 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087863.D  
Acq: 16 Sep 2025 20:01

Tgt Ion: 65 Resp: 233622  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087863.D

Acq: 16 Sep 2025 20:01

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

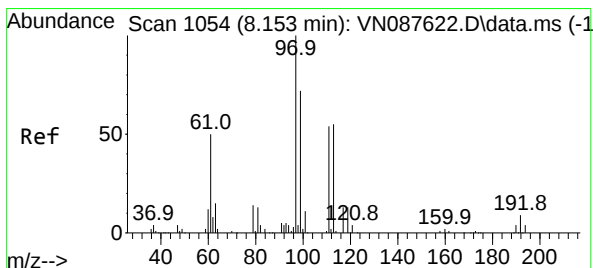
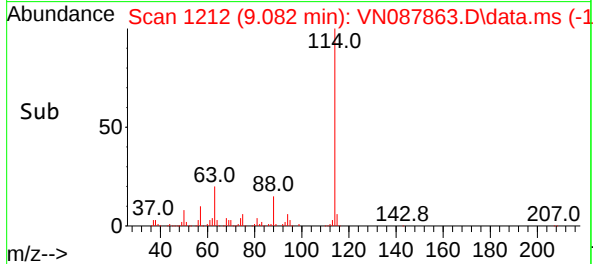
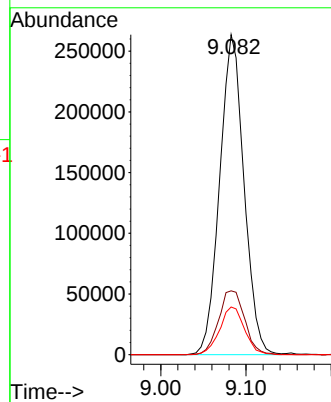
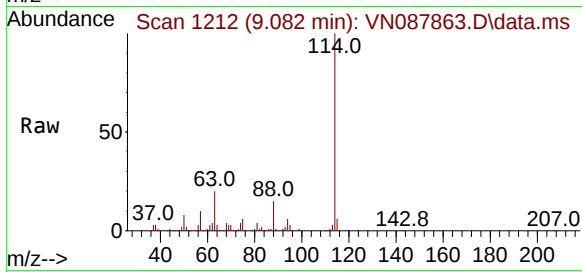
Tgt Ion:114 Resp: 523081

Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.2

88 14.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.939 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087863.D

Acq: 16 Sep 2025 20:01

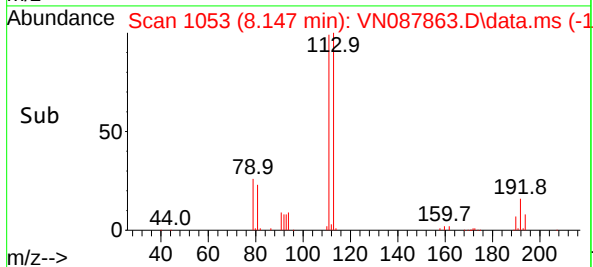
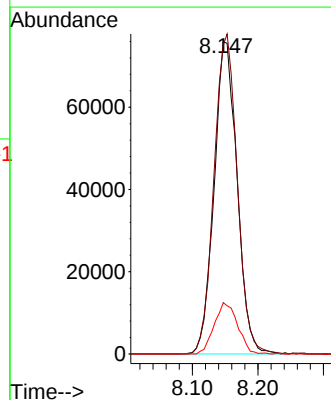
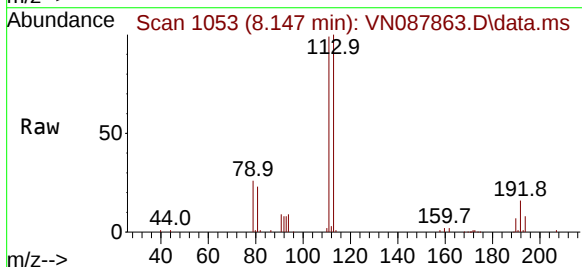
Tgt Ion:113 Resp: 184824

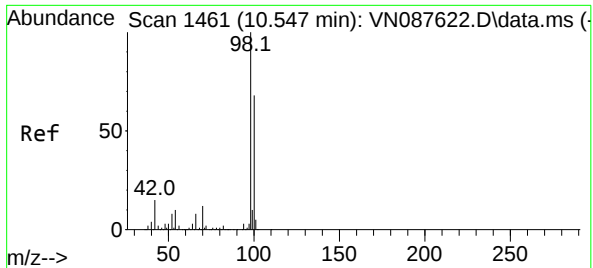
Ion Ratio Lower Upper

113 100

111 103.3 82.8 124.2

192 16.7 12.8 19.2

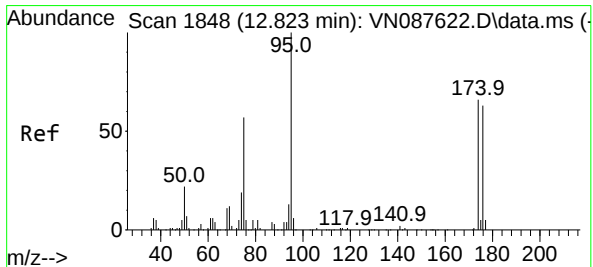
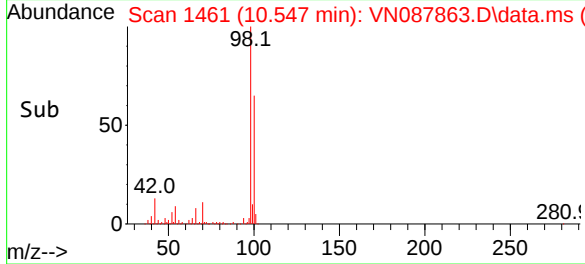
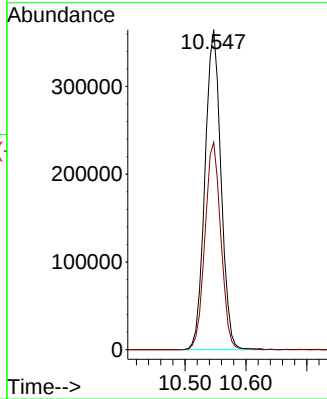
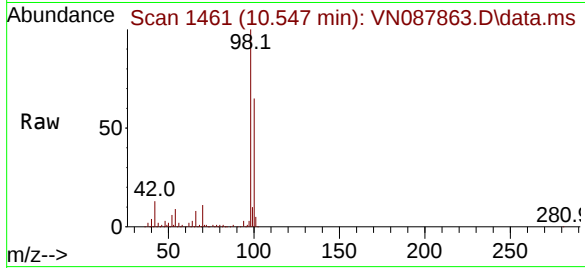




#50  
Toluene-d8  
Concen: 47.174 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087863.D  
Acq: 16 Sep 2025 20:01

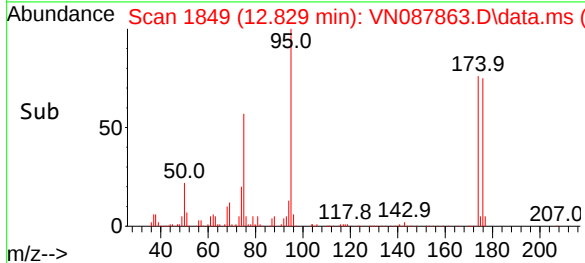
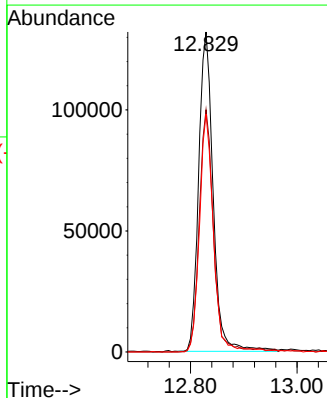
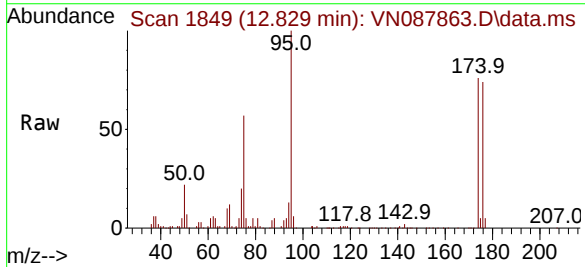
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

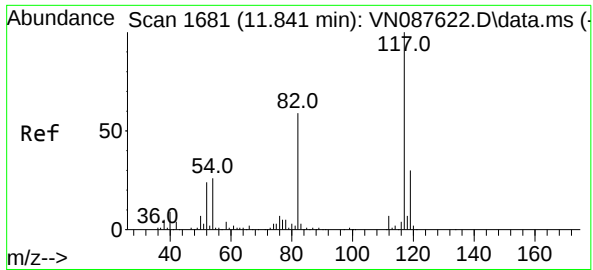
Tgt Ion: 98 Resp: 666821  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 49.511 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087863.D  
Acq: 16 Sep 2025 20:01

Tgt Ion: 95 Resp: 248887  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 138.4  
176 72.1 0.0 132.6

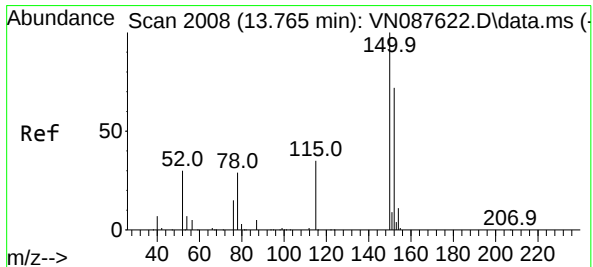
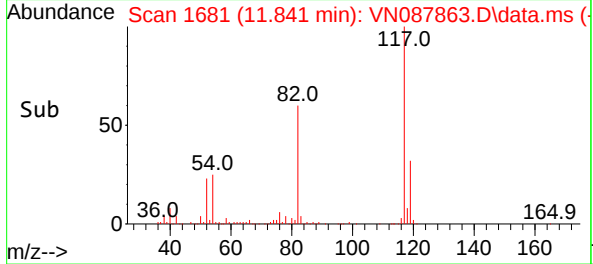
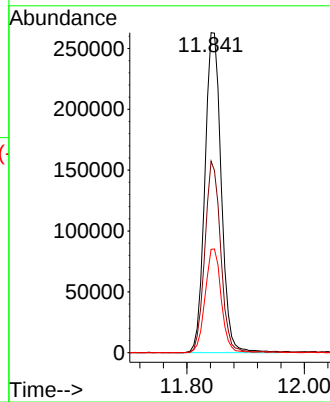
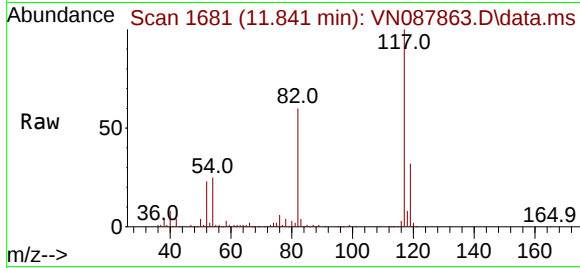




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.841 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VN087863.D  
Acq: 16 Sep 2025 20:01

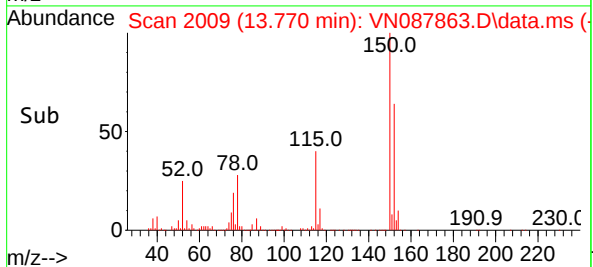
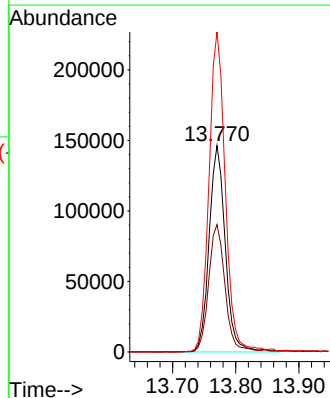
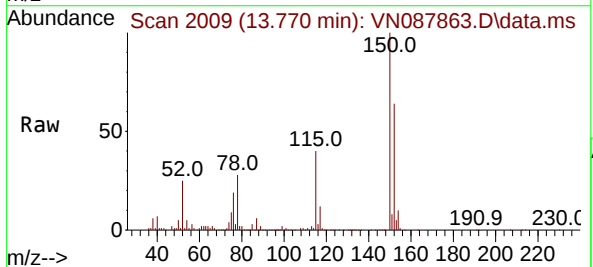
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 59.8  | 47.4  | 71.2  |
| 119     | 32.3  | 24.3  | 36.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN087863.D  
Acq: 16 Sep 2025 20:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.2  | 32.3  | 96.8  |
| 150     | 156.2 | 0.0   | 351.0 |



### Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-WATE  
 Lab Sample ID: Q3087-02  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 141-78-6       | Ethyl Acetate                  | 0.31  | U    | 1  | 0.31  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U    | 1  | 5.50  | 25.0       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 107-02-8       | Acrolein                       | 7.10  | U    | 1  | 7.10  | 25.0       | ug/L  | 09/16/25 20:22 | VN091625 |
| 107-13-1       | Acrylonitrile                  | 0.83  | U    | 1  | 0.83  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-05-4       | Vinyl Acetate                  | 0.66  | U    | 1  | 0.66  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 594-20-7       | 2,2-Dichloropropane            | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 563-58-6       | 1,1-Dichloropropene            | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 74-95-3        | Dibromomethane                 | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 142-28-9       | 1,3-Dichloropropane            | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 110-75-8       | 2-Chloroethyl Vinyl ether      | 0.30  | U    | 1  | 0.30  | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |

### Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-WATE  
 Lab Sample ID: Q3087-02  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number  | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|-------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 591-78-6    | 2-Hexanone                  | 0.89  | U    | 1  | 0.89 | 5.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 124-48-1    | Dibromochloromethane        | 0.18  | U    | 1  | 0.18 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 106-93-4    | 1,2-Dibromoethane           | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 127-18-4    | Tetrachloroethene           | 0.23  | U    | 1  | 0.23 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-90-7    | Chlorobenzene               | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 630-20-6    | 1,1,1,2-Tetrachloroethane   | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 67-72-1     | Hexachloroethane            | 0.32  | U    | 1  | 0.32 | 0          | ug/L  | 09/16/25 20:22 | VN091625 |
| 100-41-4    | Ethyl Benzene               | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 179601-23-1 | m/p-Xylenes                 | 0.24  | U    | 1  | 0.24 | 2.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 95-47-6     | o-Xylene                    | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 100-42-5    | Styrene                     | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 75-25-2     | Bromoform                   | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 98-82-8     | Isopropylbenzene            | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 0.26  | U    | 1  | 0.26 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 96-18-4     | 1,2,3-Trichloropropane      | 0.35  | U    | 1  | 0.35 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-86-1    | Bromobenzene                | 0.24  | U    | 1  | 0.24 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 103-65-1    | n-propylbenzene             | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 95-49-8     | 2-Chlorotoluene             | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 108-67-8    | 1,3,5-Trimethylbenzene      | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 106-43-4    | 4-Chlorotoluene             | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 98-06-6     | tert-Butylbenzene           | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 95-63-6     | 1,2,4-Trimethylbenzene      | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 135-98-8    | sec-Butylbenzene            | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 99-87-6     | p-Isopropyltoluene          | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 104-51-8    | n-Butylbenzene              | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 0.53  | U    | 1  | 0.53 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 87-68-3     | Hexachlorobutadiene         | 0.30  | U    | 1  | 0.30 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 91-20-3     | Naphthalene                 | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |
| 87-61-6     | 1,2,3-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 20:22 | VN091625 |

#### SURROGATES

|            |                       |      |  |          |     |         |
|------------|-----------------------|------|--|----------|-----|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.7 |  | 74 - 125 | 93% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 49.0 |  | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 46.1 |  | 86 - 113 | 92% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 47.2 |  | 77 - 121 | 94% | SPK: 50 |

#### INTERNAL STANDARDS

|           |                        |        |
|-----------|------------------------|--------|
| 363-72-4  | Pentafluorobenzene     | 210000 |
| 540-36-3  | 1,4-Difluorobenzene    | 470000 |
| 3114-55-4 | Chlorobenzene-d5       | 443000 |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 210000 |



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

## Report of Analysis

|                    |                           |                 |                    |
|--------------------|---------------------------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 09/05/25           |
| Project:           | Weekly Storage Blanks     | Date Received:  | 09/12/25           |
| Client Sample ID:  | STORAGE-BLANK-WATE        | SDG No.:        | Q3087              |
| Lab Sample ID:     | Q3087-02                  | Matrix:         | Water              |
| Analytical Method: | 8260D                     | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5 mL                      | Test:           | VOC- Chemtech Full |
|                    | Level: LOW                |                 |                    |
|                    | Final Vol: 5000 uL        |                 |                    |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087864.D  
 Acq On : 16 Sep 2025 20:22  
 Operator : JC\MD  
 Sample : Q3087-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-5

Quant Time: Sep 17 01:30:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 209912   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 469608   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 443047   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 209847   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 200848   | 46.700   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 93.400% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 166156   | 49.005   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.020% |
| 50) Toluene-d8              | 10.547 | 98    | 585297   | 46.122   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 92.240% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 213191   | 47.239   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 94.480% |

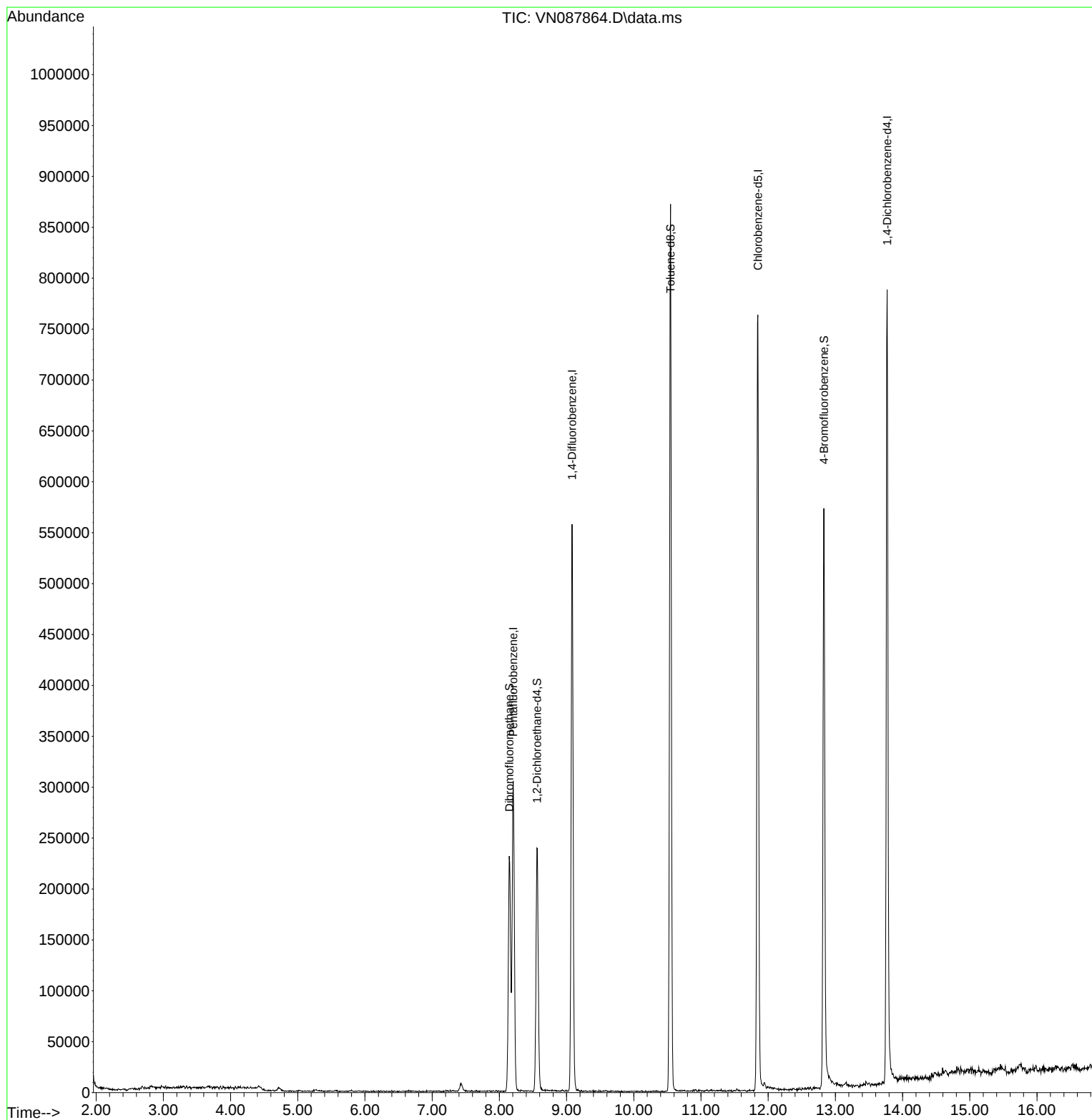
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

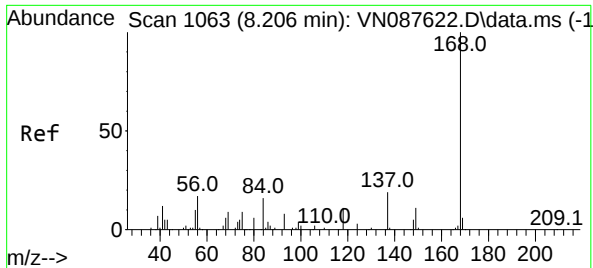
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087864.D  
Acq On : 16 Sep 2025 20:22  
Operator : JC\MD  
Sample : Q3087-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

Quant Time: Sep 17 01:30:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

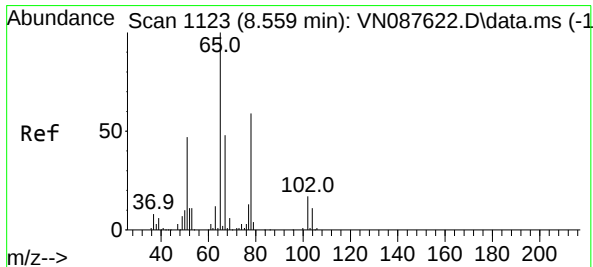
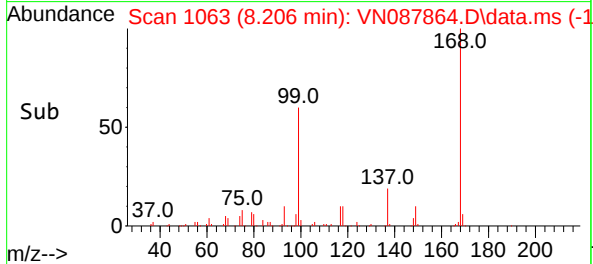
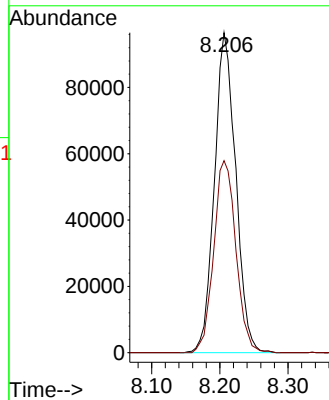
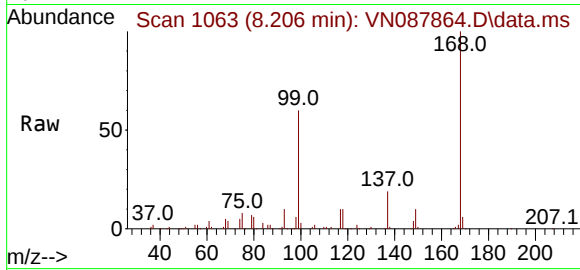




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087864.D  
Acq: 16 Sep 2025 20:22

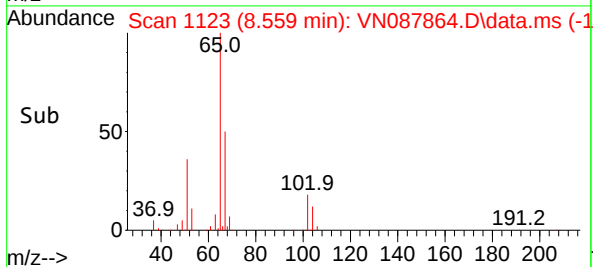
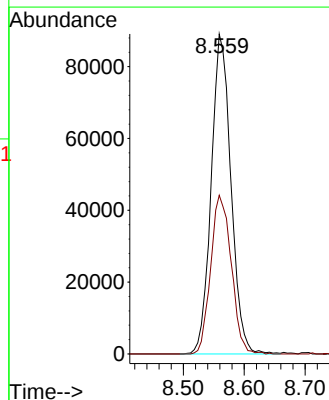
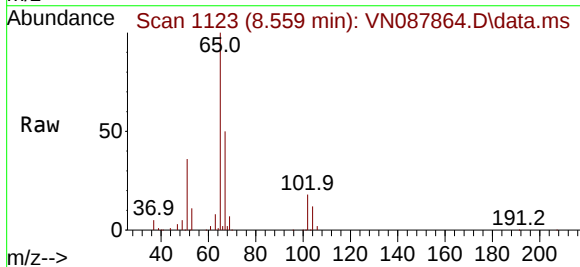
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

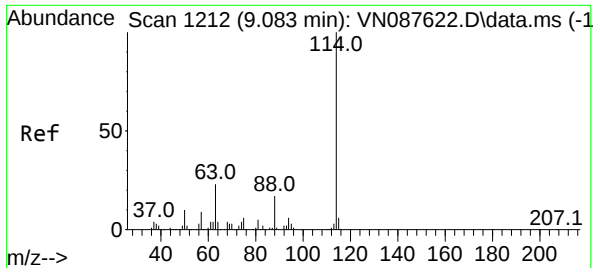
Tgt Ion:168 Resp: 209912  
Ion Ratio Lower Upper  
168 100  
99 60.0 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 46.700 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087864.D  
Acq: 16 Sep 2025 20:22

Tgt Ion: 65 Resp: 200848  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087864.D

Acq: 16 Sep 2025 20:22

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-5

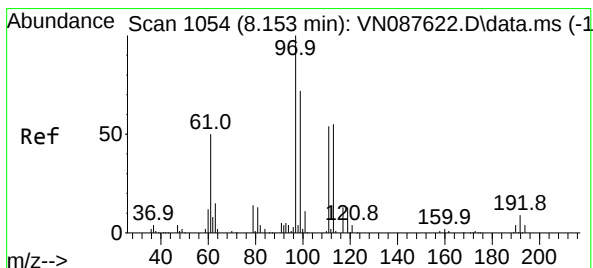
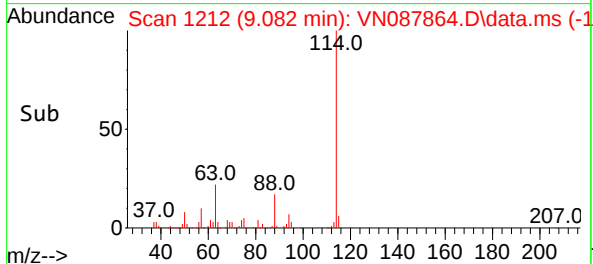
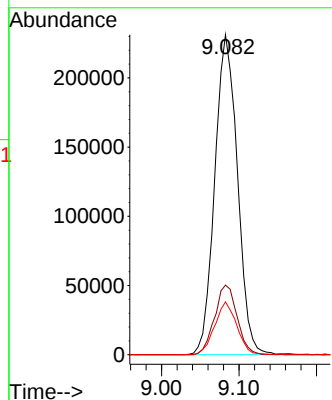
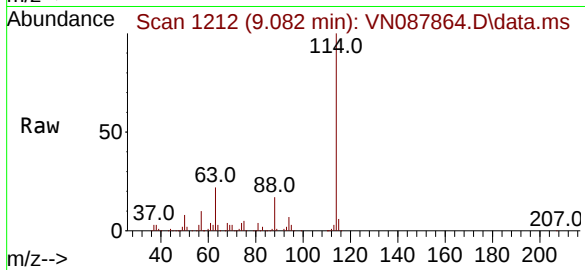
Tgt Ion:114 Resp: 469608

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.2

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.005 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087864.D

Acq: 16 Sep 2025 20:22

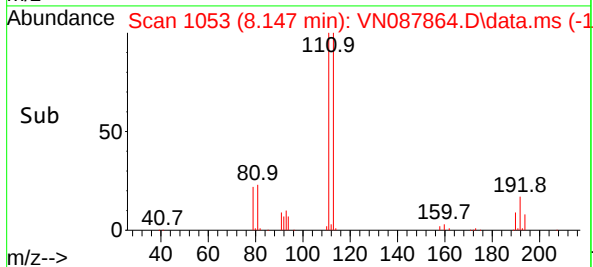
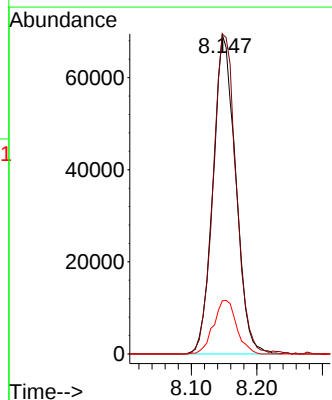
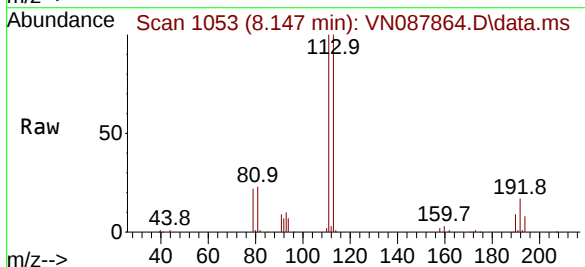
Tgt Ion:113 Resp: 166156

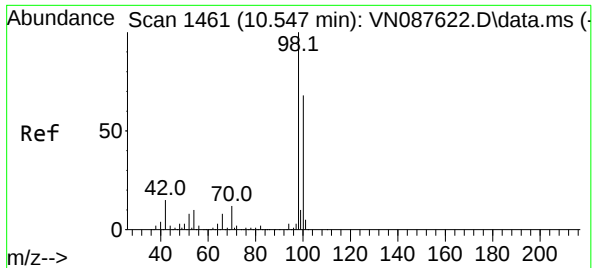
Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 17.1 12.8 19.2

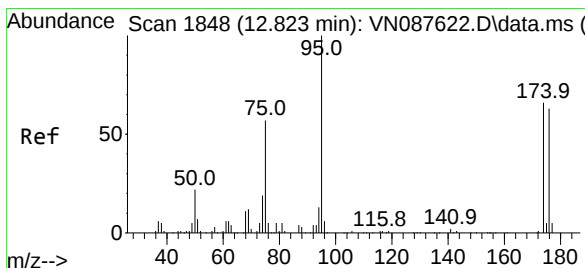
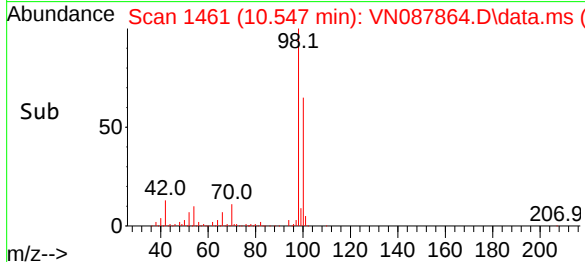
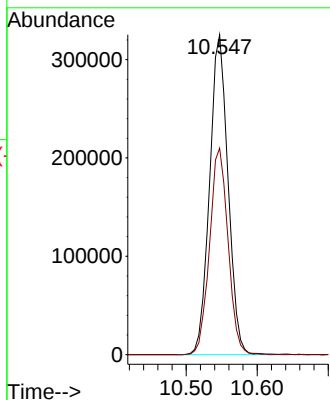
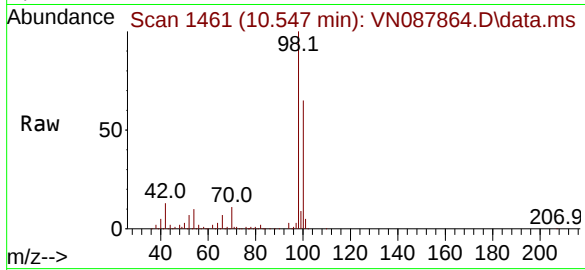




#50  
Toluene-d8  
Concen: 46.122 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087864.D  
Acq: 16 Sep 2025 20:22

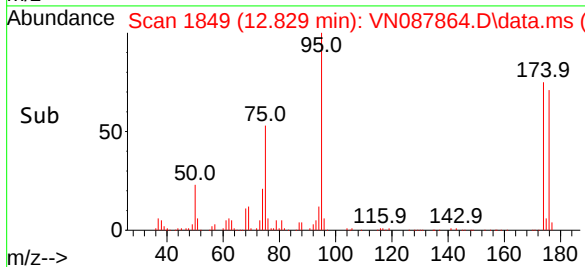
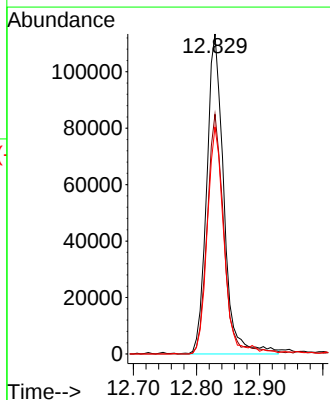
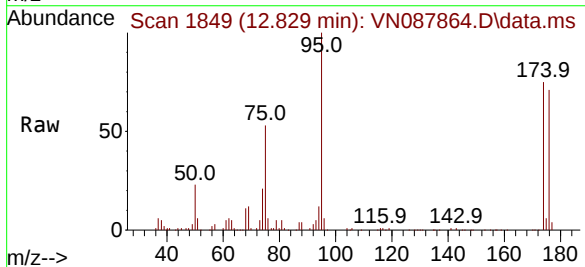
Instrument : MSVOA\_N  
ClientSampleId : STORAGE-BLANK-WATER-REF-5

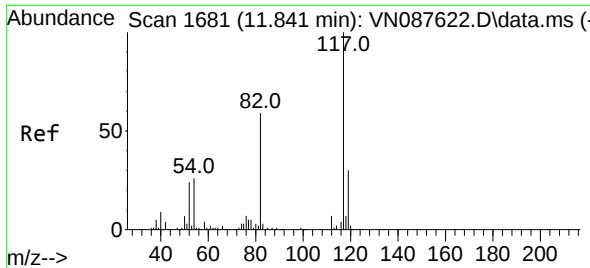
Tgt Ion: 98 Resp: 585297  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 47.239 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087864.D  
Acq: 16 Sep 2025 20:22

Tgt Ion: 95 Resp: 213191  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 138.4  
176 69.7 0.0 132.6

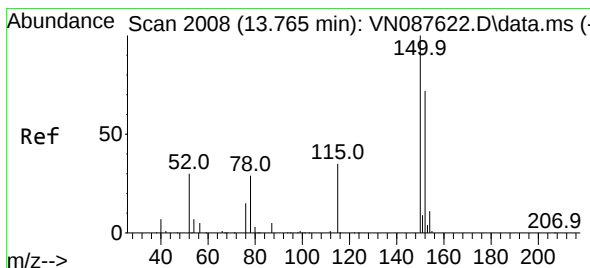
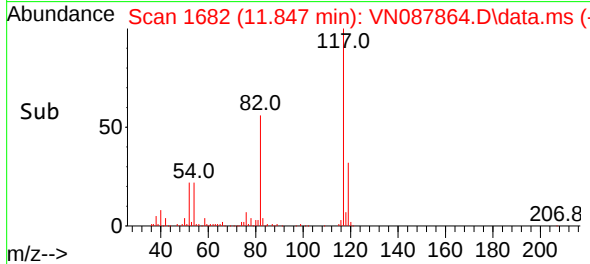
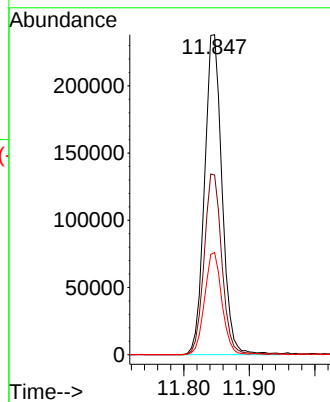
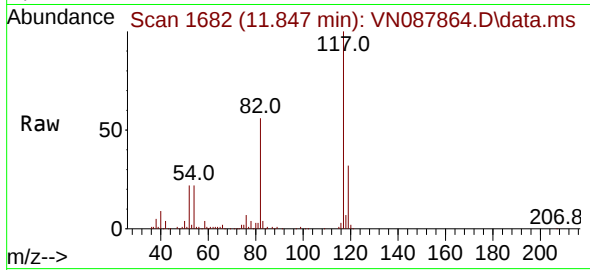




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 117  
Delta R.T. 0.006 min  
Lab File: VN087864.D  
Acq: 16 Sep 2025 20:22

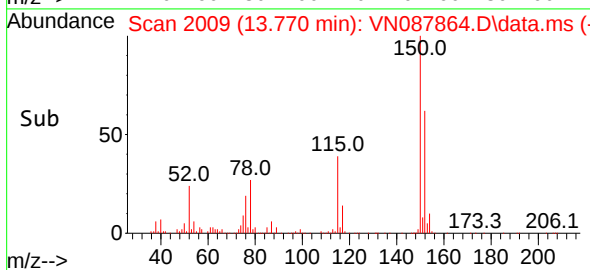
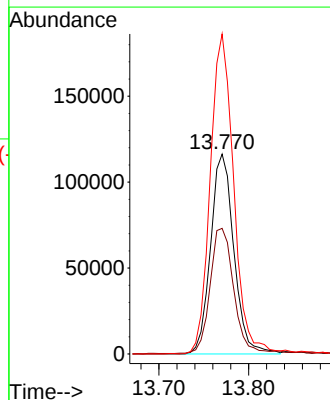
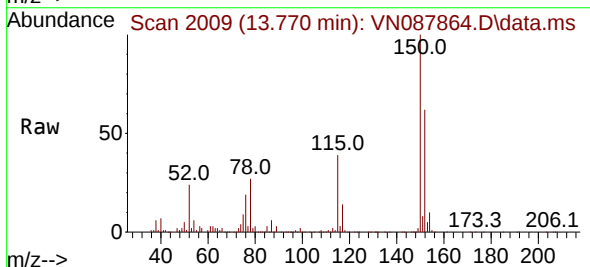
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-5

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 56.2  | 47.4  | 71.2  |
| 119     | 31.9  | 24.3  | 36.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN087864.D  
Acq: 16 Sep 2025 20:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 63.7  | 32.3  | 96.8  |
| 150     | 161.5 | 0.0   | 351.0 |



### Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-WATE  
 Lab Sample ID: Q3087-03  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 141-78-6       | Ethyl Acetate                  | 0.31  | U    | 1  | 0.31  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U    | 1  | 5.50  | 25.0       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 107-02-8       | Acrolein                       | 7.10  | U    | 1  | 7.10  | 25.0       | ug/L  | 09/16/25 20:43 | VN091625 |
| 107-13-1       | Acrylonitrile                  | 0.83  | U    | 1  | 0.83  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-05-4       | Vinyl Acetate                  | 0.66  | U    | 1  | 0.66  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 594-20-7       | 2,2-Dichloropropane            | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 563-58-6       | 1,1-Dichloropropene            | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 74-95-3        | Dibromomethane                 | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 142-28-9       | 1,3-Dichloropropane            | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 110-75-8       | 2-Chloroethyl Vinyl ether      | 0.30  | U    | 1  | 0.30  | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |

## Report of Analysis

Client: Chemtech Consulting Group  
Project: Weekly Storage Blanks  
Client Sample ID: STORAGE-BLANK-WATE  
Lab Sample ID: Q3087-03  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 09/05/25  
Date Received: 09/12/25  
SDG No.: Q3087  
Matrix: Water  
% Solid: 0  
Test: VOC- Chemtech Full

| CAS Number  | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|-------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 591-78-6    | 2-Hexanone                  | 0.89  | U    | 1  | 0.89 | 5.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 124-48-1    | Dibromochloromethane        | 0.18  | U    | 1  | 0.18 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 106-93-4    | 1,2-Dibromoethane           | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 127-18-4    | Tetrachloroethene           | 0.23  | U    | 1  | 0.23 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-90-7    | Chlorobenzene               | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 630-20-6    | 1,1,1,2-Tetrachloroethane   | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 67-72-1     | Hexachloroethane            | 0.32  | U    | 1  | 0.32 | 0          | ug/L  | 09/16/25 20:43 | VN091625 |
| 100-41-4    | Ethyl Benzene               | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 179601-23-1 | m/p-Xylenes                 | 0.24  | U    | 1  | 0.24 | 2.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 95-47-6     | o-Xylene                    | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 100-42-5    | Styrene                     | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 75-25-2     | Bromoform                   | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 98-82-8     | Isopropylbenzene            | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 0.26  | U    | 1  | 0.26 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 96-18-4     | 1,2,3-Trichloropropane      | 0.35  | U    | 1  | 0.35 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-86-1    | Bromobenzene                | 0.24  | U    | 1  | 0.24 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 103-65-1    | n-propylbenzene             | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 95-49-8     | 2-Chlorotoluene             | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 108-67-8    | 1,3,5-Trimethylbenzene      | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 106-43-4    | 4-Chlorotoluene             | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 98-06-6     | tert-Butylbenzene           | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 95-63-6     | 1,2,4-Trimethylbenzene      | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 135-98-8    | sec-Butylbenzene            | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 99-87-6     | p-Isopropyltoluene          | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 104-51-8    | n-Butylbenzene              | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 0.53  | U    | 1  | 0.53 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 87-68-3     | Hexachlorobutadiene         | 0.30  | U    | 1  | 0.30 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 91-20-3     | Naphthalene                 | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |
| 87-61-6     | 1,2,3-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 20:43 | VN091625 |

## SURROGATES

|            |                       |      |          |     |         |
|------------|-----------------------|------|----------|-----|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.5 | 74 - 125 | 91% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 49.0 | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 45.7 | 86 - 113 | 91% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 46.7 | 77 - 121 | 93% | SPK: 50 |

## INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 208000     |
| 540-36-3           | 1,4-Difluorobenzene    | 457000     |
| 3114-55-4          | Chlorobenzene-d5       | 428000     |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 207000     |



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

## Report of Analysis

|                    |                           |                 |                    |
|--------------------|---------------------------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group | Date Collected: | 09/05/25           |
| Project:           | Weekly Storage Blanks     | Date Received:  | 09/12/25           |
| Client Sample ID:  | STORAGE-BLANK-WATE        | SDG No.:        | Q3087              |
| Lab Sample ID:     | Q3087-03                  | Matrix:         | Water              |
| Analytical Method: | 8260D                     | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5 mL                      | Test:           | VOC- Chemtech Full |
|                    | Level: LOW                |                 |                    |
|                    | Final Vol: 5000 uL        |                 |                    |

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087865.D  
 Acq On : 16 Sep 2025 20:43  
 Operator : JC\MD  
 Sample : Q3087-03  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-WATER-REF-4

Quant Time: Sep 17 01:30:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.212  | 168  | 207761   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 456514   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 428063   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 206680   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 193871   | 45.544   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.080% |
| 35) Dibromofluoromethane    | 8.147  | 113   | 161644   | 49.042   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.080% |
| 50) Toluene-d8              | 10.547 | 98    | 564315   | 45.744   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 91.480% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 204796   | 46.680   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 93.360% |

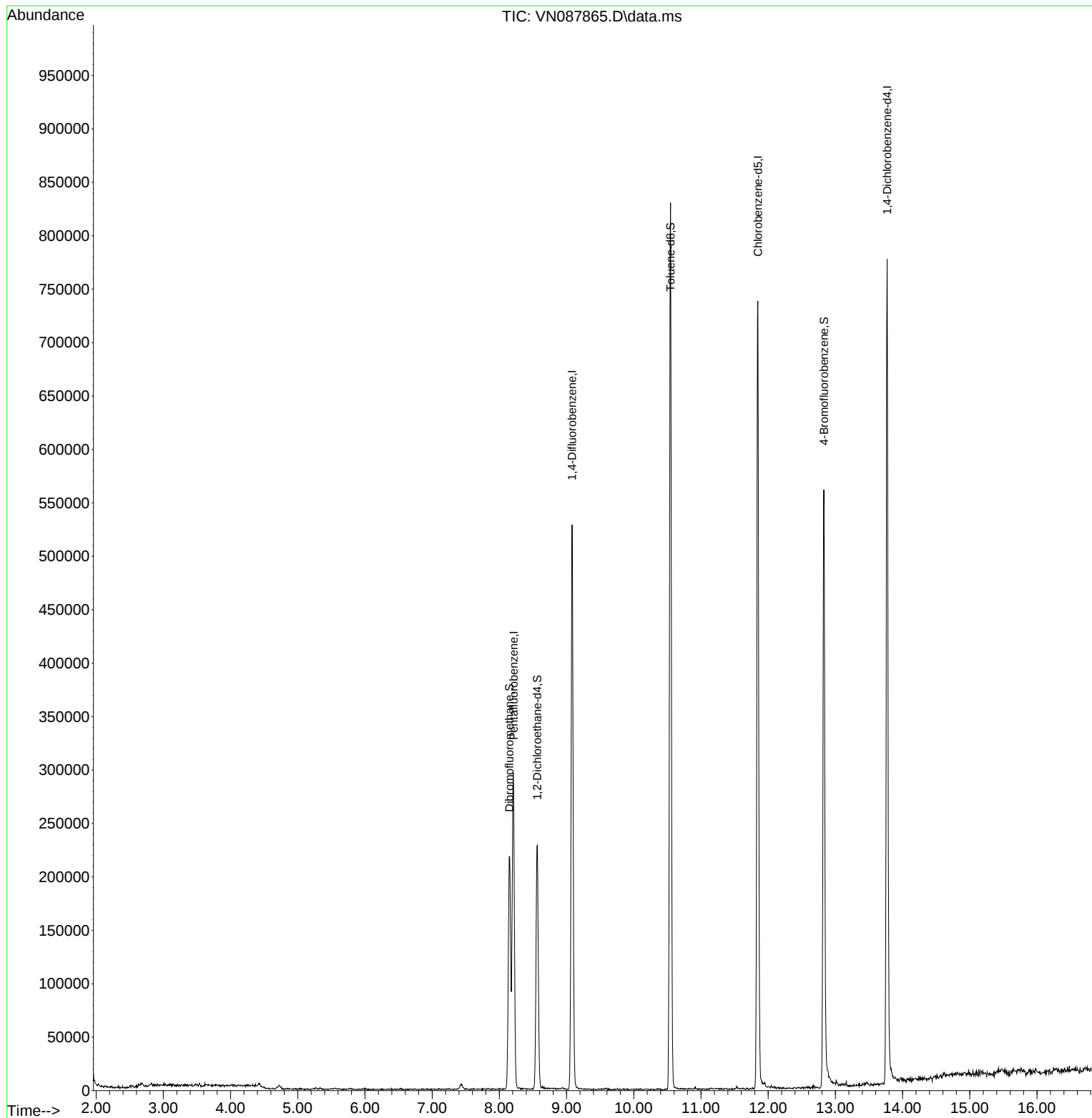
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

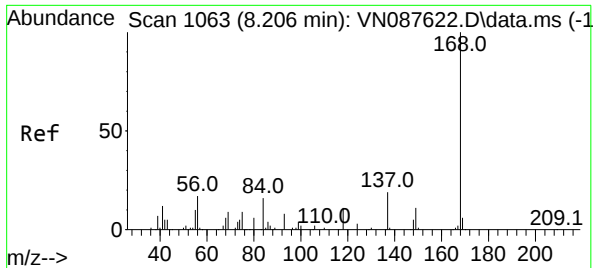
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087865.D  
Acq On : 16 Sep 2025 20:43  
Operator : JC\MD  
Sample : Q3087-03  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

Quant Time: Sep 17 01:30:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

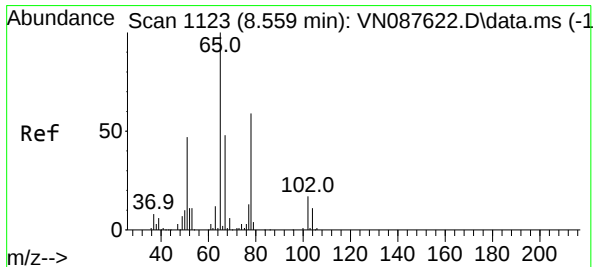
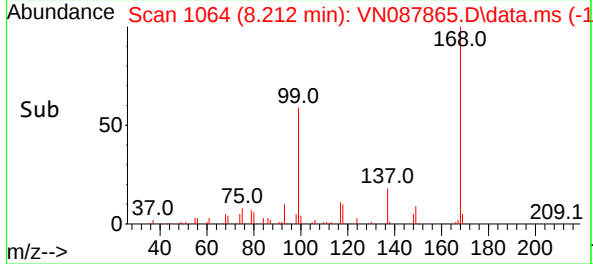
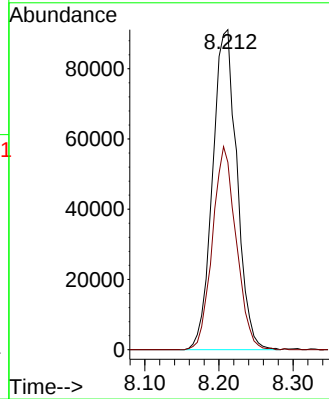
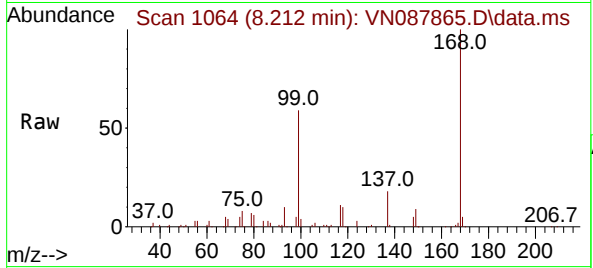




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.212 min Scan# 1064  
Delta R.T. 0.006 min  
Lab File: VN087865.D  
Acq: 16 Sep 2025 20:43

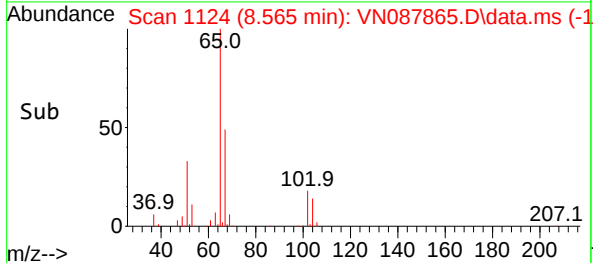
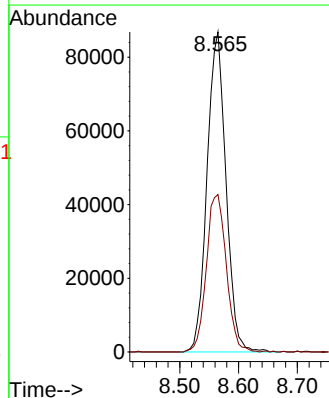
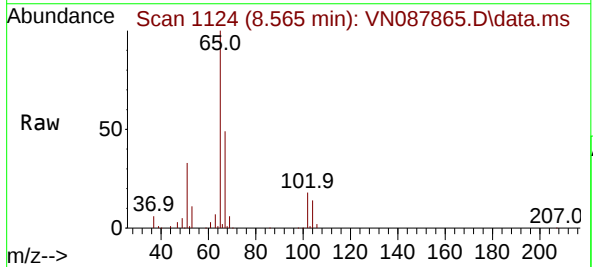
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

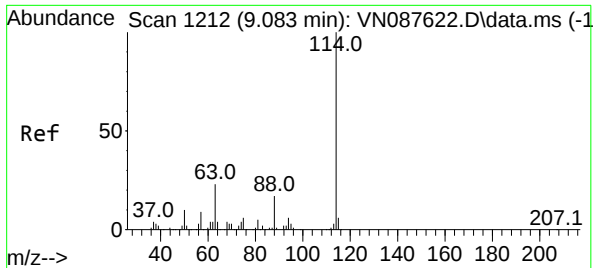
Tgt Ion:168 Resp: 207761  
Ion Ratio Lower Upper  
168 100  
99 58.6 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.544 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087865.D  
Acq: 16 Sep 2025 20:43

Tgt Ion: 65 Resp: 193871  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087865.D

Acq: 16 Sep 2025 20:43

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-WATER-REF-4

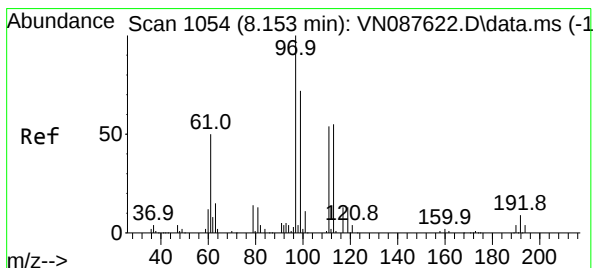
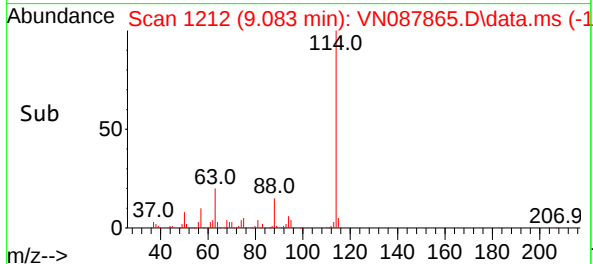
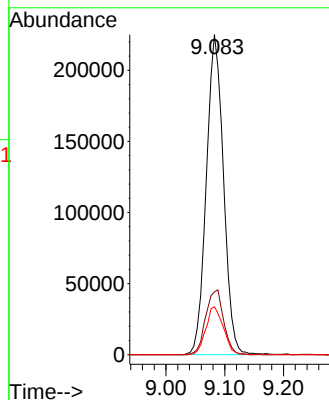
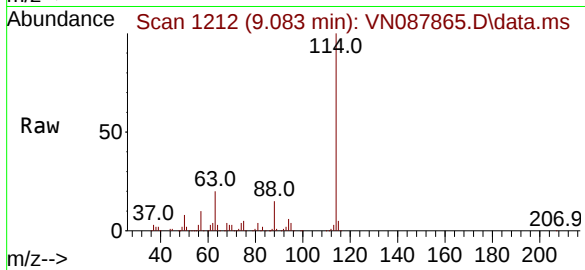
Tgt Ion:114 Resp: 456514

Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.2

88 15.0 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.042 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087865.D

Acq: 16 Sep 2025 20:43

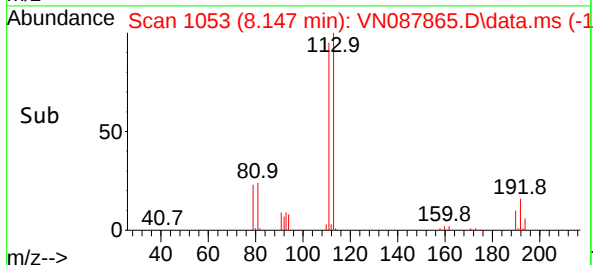
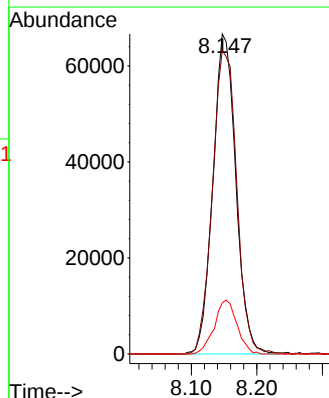
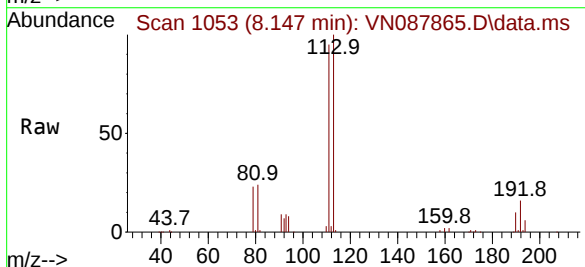
Tgt Ion:113 Resp: 161644

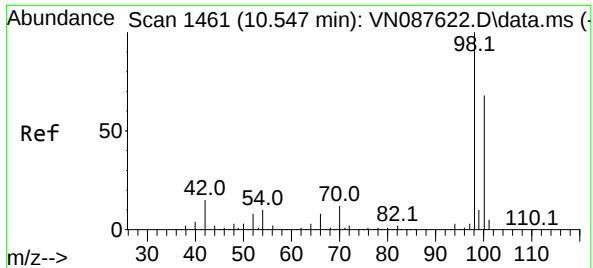
Ion Ratio Lower Upper

113 100

111 100.2 82.8 124.2

192 16.6 12.8 19.2

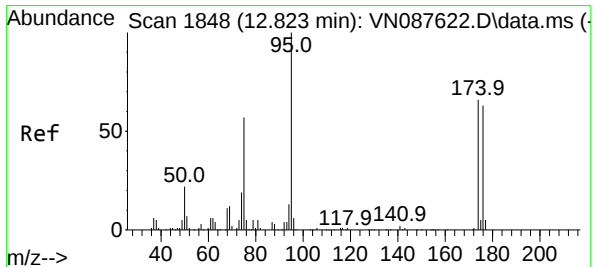
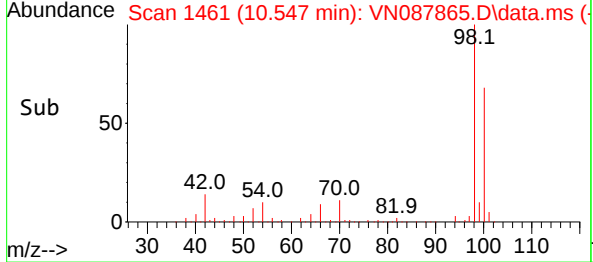
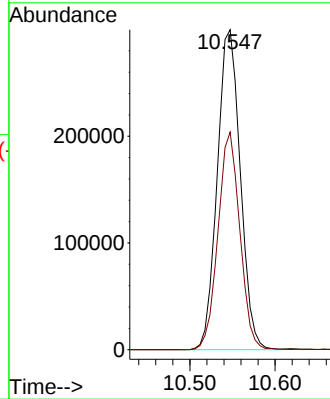
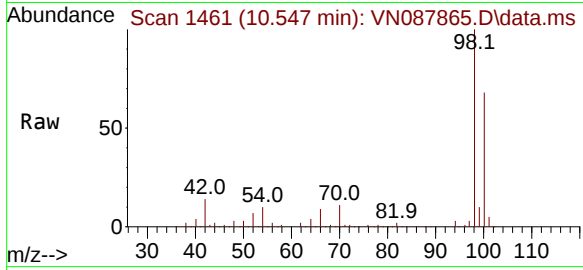




#50  
Toluene-d8  
Concen: 45.744 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087865.D  
Acq: 16 Sep 2025 20:43

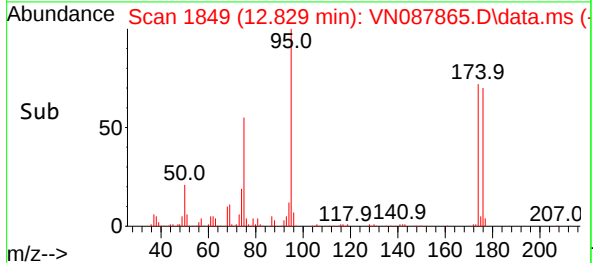
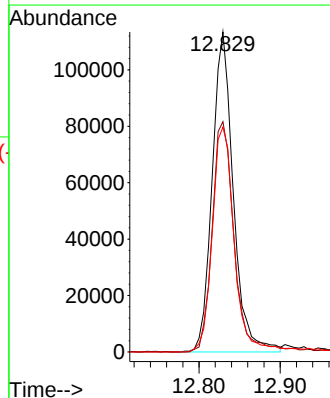
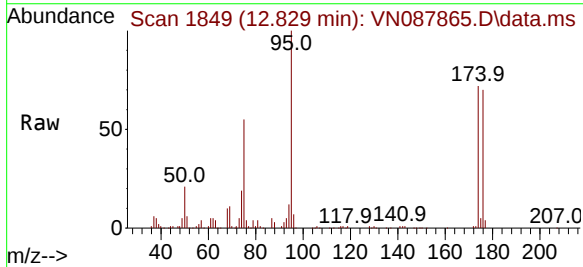
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

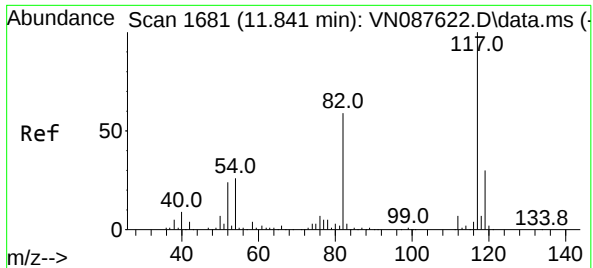
Tgt Ion: 98 Resp: 564315  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.680 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087865.D  
Acq: 16 Sep 2025 20:43

Tgt Ion: 95 Resp: 204796  
Ion Ratio Lower Upper  
95 100  
174 75.3 0.0 138.4  
176 73.3 0.0 132.6

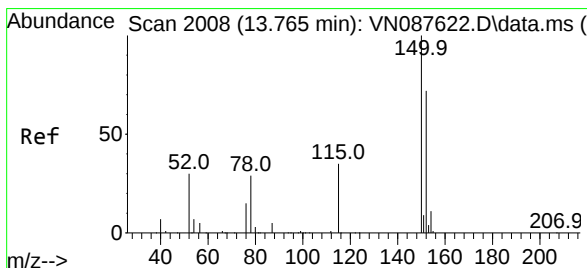
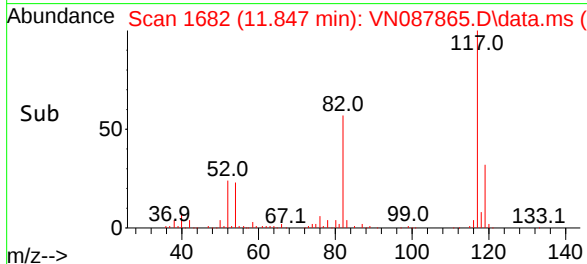
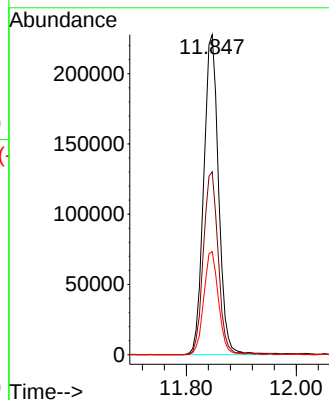
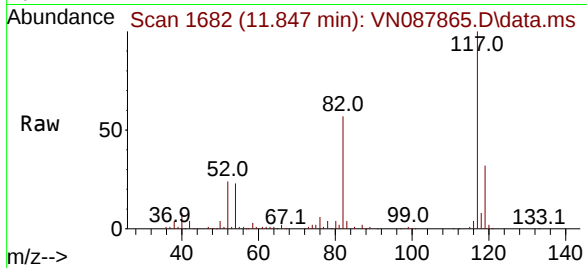




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN087865.D  
Acq: 16 Sep 2025 20:43

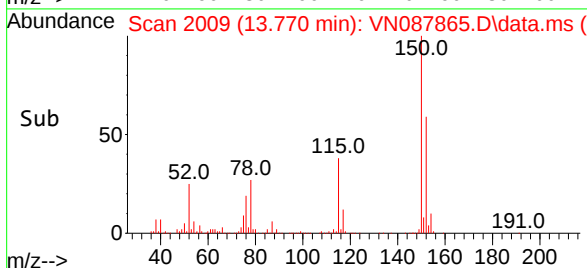
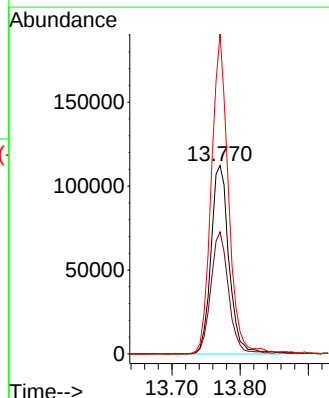
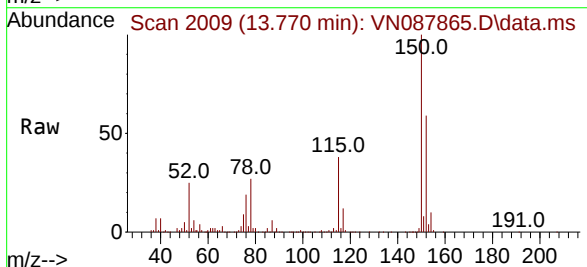
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-WATER-REF-4

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 57.1  | 47.4  | 71.2  |
| 119     | 32.2  | 24.3  | 36.5  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN087865.D  
Acq: 16 Sep 2025 20:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 64.0  | 32.3  | 96.8  |
| 150     | 160.3 | 0.0   | 351.0 |



### Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-SAMP  
 Lab Sample ID: Q3087-04  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 141-78-6       | Ethyl Acetate                  | 0.31  | U    | 1  | 0.31  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U    | 1  | 5.50  | 25.0       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 107-02-8       | Acrolein                       | 7.10  | U    | 1  | 7.10  | 25.0       | ug/L  | 09/16/25 21:05 | VN091625 |
| 107-13-1       | Acrylonitrile                  | 0.83  | U    | 1  | 0.83  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-05-4       | Vinyl Acetate                  | 0.66  | U    | 1  | 0.66  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 594-20-7       | 2,2-Dichloropropane            | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 563-58-6       | 1,1-Dichloropropene            | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 74-95-3        | Dibromomethane                 | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 142-28-9       | 1,3-Dichloropropane            | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 110-75-8       | 2-Chloroethyl Vinyl ether      | 0.30  | U    | 1  | 0.30  | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |

### Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-SAMP  
 Lab Sample ID: Q3087-04  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number  | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|-------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 591-78-6    | 2-Hexanone                  | 0.89  | U    | 1  | 0.89 | 5.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 124-48-1    | Dibromochloromethane        | 0.18  | U    | 1  | 0.18 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 106-93-4    | 1,2-Dibromoethane           | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 127-18-4    | Tetrachloroethene           | 0.23  | U    | 1  | 0.23 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-90-7    | Chlorobenzene               | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 630-20-6    | 1,1,1,2-Tetrachloroethane   | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 67-72-1     | Hexachloroethane            | 0.32  | U    | 1  | 0.32 | 0          | ug/L  | 09/16/25 21:05 | VN091625 |
| 100-41-4    | Ethyl Benzene               | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 179601-23-1 | m/p-Xylenes                 | 0.24  | U    | 1  | 0.24 | 2.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 95-47-6     | o-Xylene                    | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 100-42-5    | Styrene                     | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 75-25-2     | Bromoform                   | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 98-82-8     | Isopropylbenzene            | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 79-34-5     | 1,1,2,2-Tetrachloroethane   | 0.26  | U    | 1  | 0.26 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 96-18-4     | 1,2,3-Trichloropropane      | 0.35  | U    | 1  | 0.35 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-86-1    | Bromobenzene                | 0.24  | U    | 1  | 0.24 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 103-65-1    | n-propylbenzene             | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 95-49-8     | 2-Chlorotoluene             | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 108-67-8    | 1,3,5-Trimethylbenzene      | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 106-43-4    | 4-Chlorotoluene             | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 98-06-6     | tert-Butylbenzene           | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 95-63-6     | 1,2,4-Trimethylbenzene      | 0.14  | U    | 1  | 0.14 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 135-98-8    | sec-Butylbenzene            | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 99-87-6     | p-Isopropyltoluene          | 0.13  | U    | 1  | 0.13 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 541-73-1    | 1,3-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 106-46-7    | 1,4-Dichlorobenzene         | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 104-51-8    | n-Butylbenzene              | 0.15  | U    | 1  | 0.15 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 95-50-1     | 1,2-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 96-12-8     | 1,2-Dibromo-3-Chloropropane | 0.53  | U    | 1  | 0.53 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 120-82-1    | 1,2,4-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 87-68-3     | Hexachlorobutadiene         | 0.30  | U    | 1  | 0.30 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 91-20-3     | Naphthalene                 | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |
| 87-61-6     | 1,2,3-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 09/16/25 21:05 | VN091625 |

#### SURROGATES

|            |                       |      |  |          |     |         |
|------------|-----------------------|------|--|----------|-----|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.5 |  | 74 - 125 | 91% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 48.9 |  | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 47.3 |  | 86 - 113 | 95% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 46.2 |  | 77 - 121 | 92% | SPK: 50 |

#### INTERNAL STANDARDS

#### Area Count

|           |                        |        |
|-----------|------------------------|--------|
| 363-72-4  | Pentafluorobenzene     | 203000 |
| 540-36-3  | 1,4-Difluorobenzene    | 446000 |
| 3114-55-4 | Chlorobenzene-d5       | 424000 |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 207000 |



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

## Report of Analysis

Client: Chemtech Consulting Group  
 Project: Weekly Storage Blanks  
 Client Sample ID: STORAGE-BLANK-SAMP  
 Lab Sample ID: Q3087-04  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 09/05/25  
 Date Received: 09/12/25  
 SDG No.: Q3087  
 Matrix: Water  
 % Solid: 0  
 Test: VOC- Chemtech Full

| CAS Number | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Date Ana. | BatchID |
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|
|------------|-----------|-------|------|----|-----|------------|-------|-----------|---------|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087866.D  
 Acq On : 16 Sep 2025 21:05  
 Operator : JC\MD  
 Sample : Q3087-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Sep 17 01:31:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 203329   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 445964   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 423965   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 206726   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.559  | 65    | 189726   | 45.542   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.080% |
| 35) Dibromofluoromethane    | 8.153  | 113   | 157577   | 48.939   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.880% |
| 50) Toluene-d8              | 10.547 | 98    | 569874   | 47.287   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.580% |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 197824   | 46.158   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 92.320% |

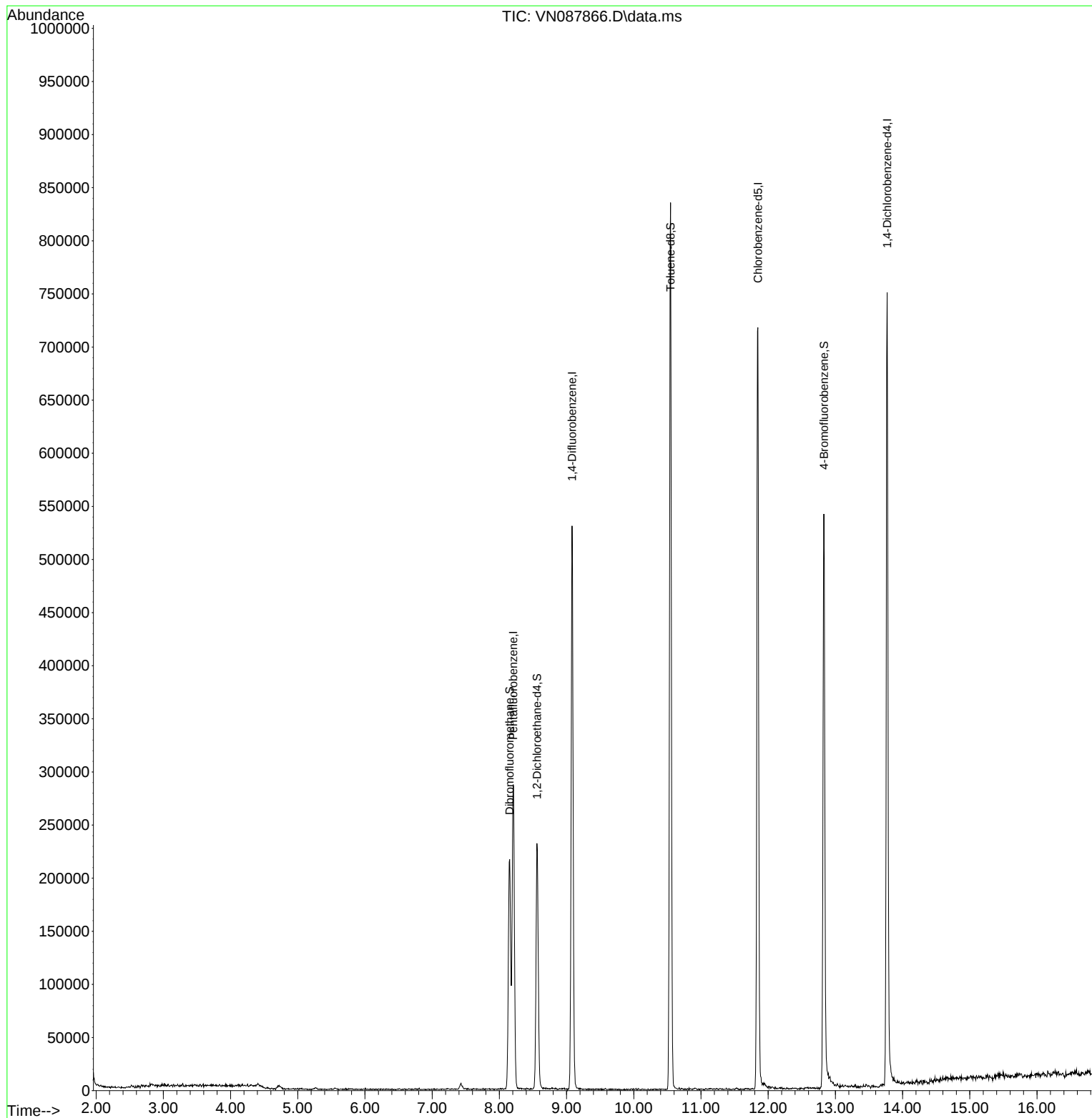
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

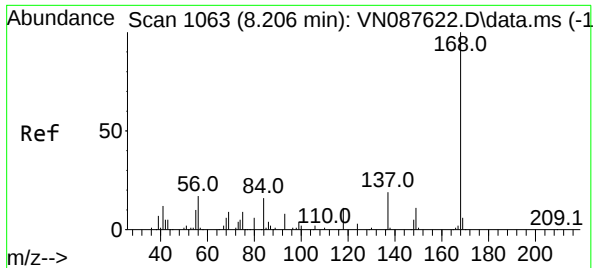
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087866.D  
Acq On : 16 Sep 2025 21:05  
Operator : JC\MD  
Sample : Q3087-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Sep 17 01:31:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

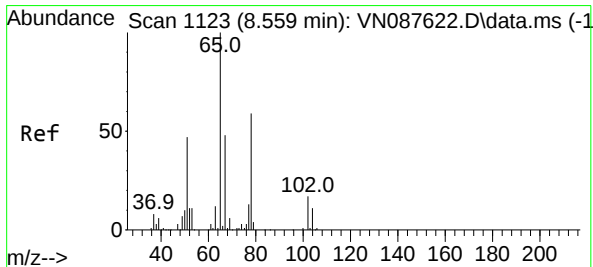
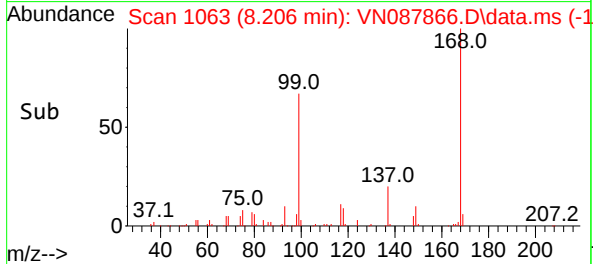
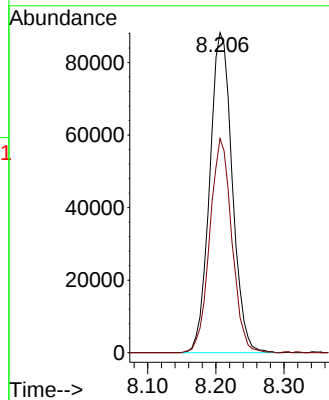
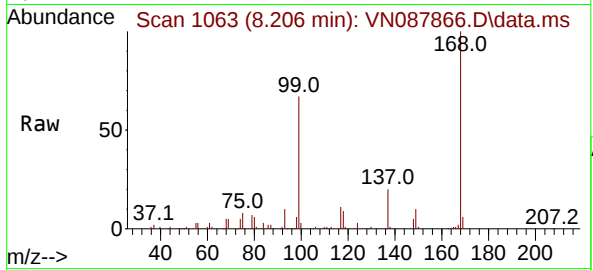




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. 0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

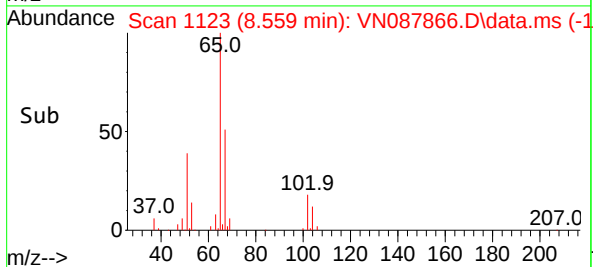
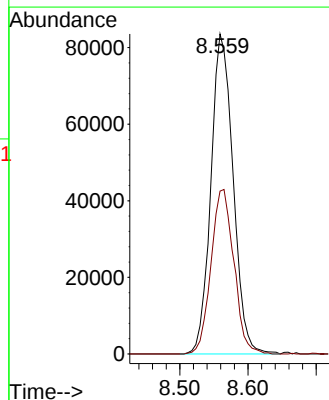
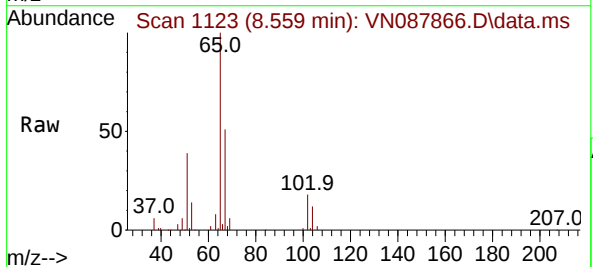
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

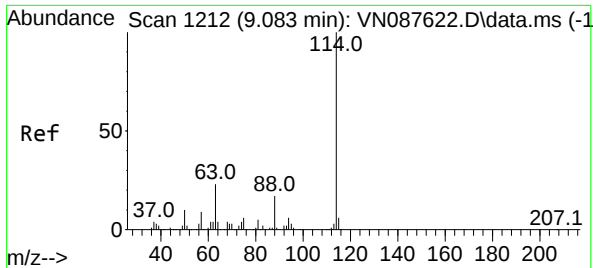
Tgt Ion:168 Resp: 203329  
Ion Ratio Lower Upper  
168 100  
99 66.9 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 45.542 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion: 65 Resp: 189726  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087866.D

Acq: 16 Sep 2025 21:05

Instrument :

MSVOA\_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

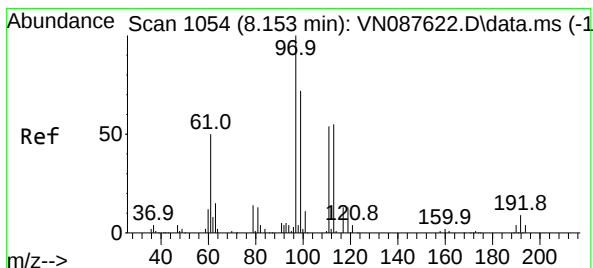
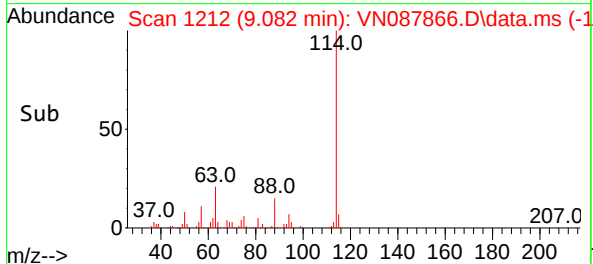
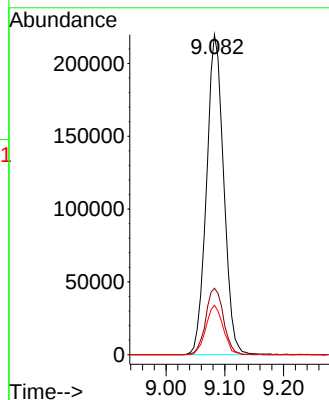
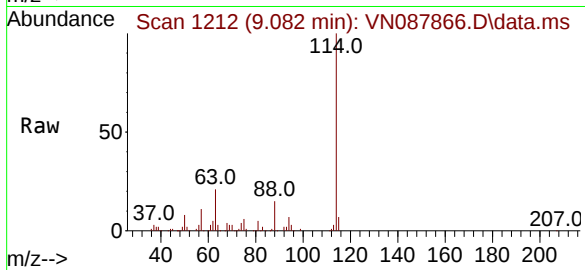
Tgt Ion:114 Resp: 445964

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.2

88 15.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.939 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087866.D

Acq: 16 Sep 2025 21:05

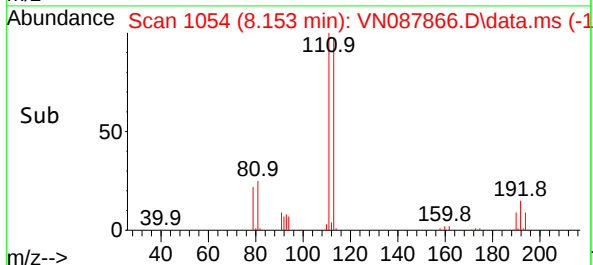
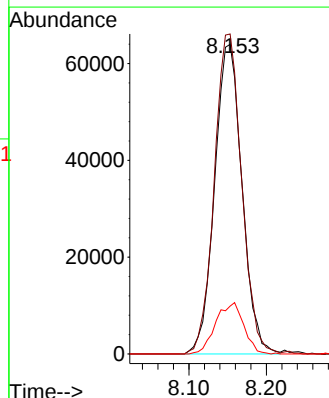
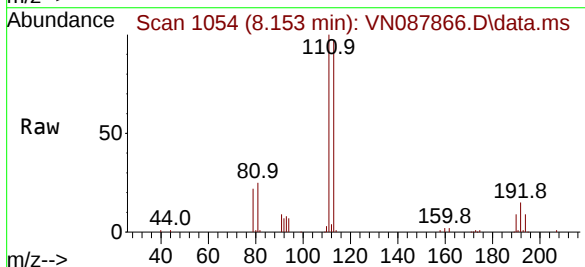
Tgt Ion:113 Resp: 157577

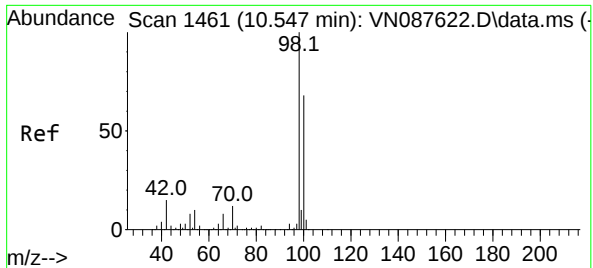
Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 17.0 12.8 19.2

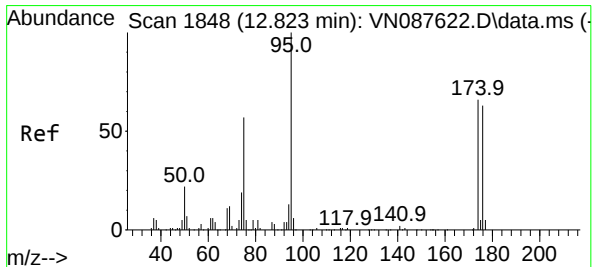
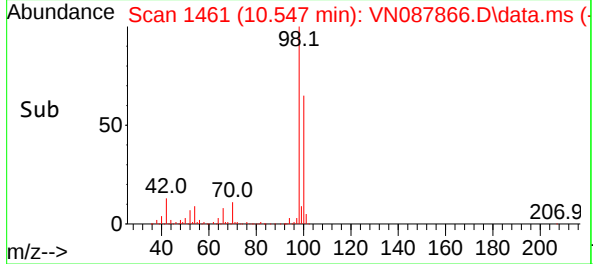
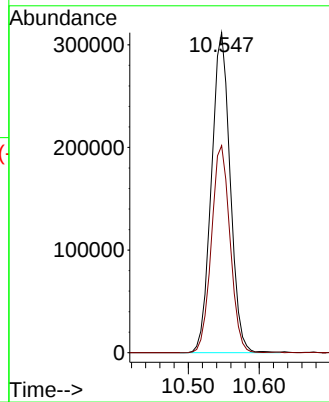
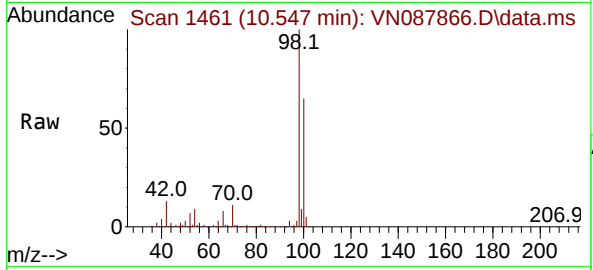




#50  
Toluene-d8  
Concen: 47.287 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

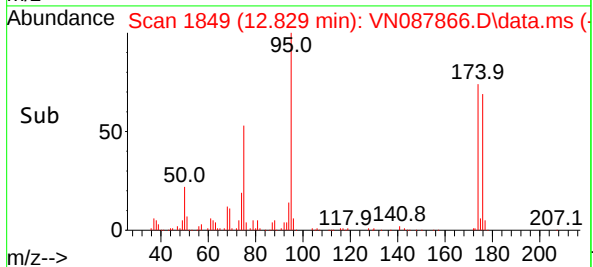
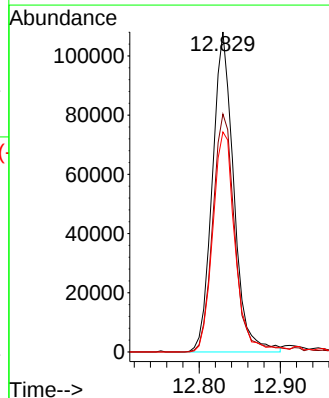
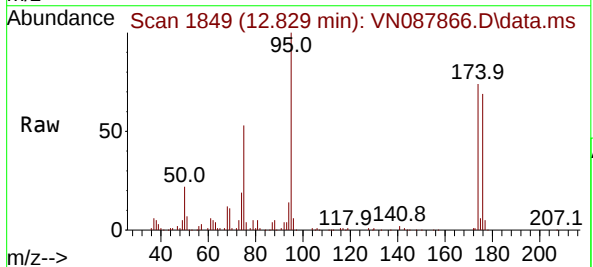
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

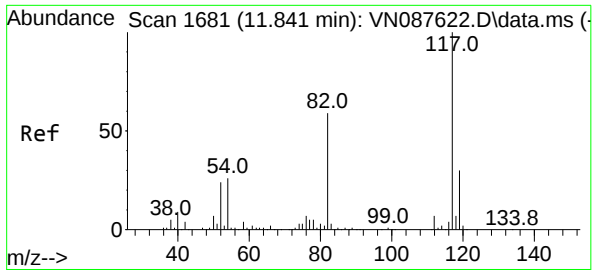
Tgt Ion: 98 Resp: 569874  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 46.158 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion: 95 Resp: 197824  
Ion Ratio Lower Upper  
95 100  
174 76.8 0.0 138.4  
176 71.9 0.0 132.6

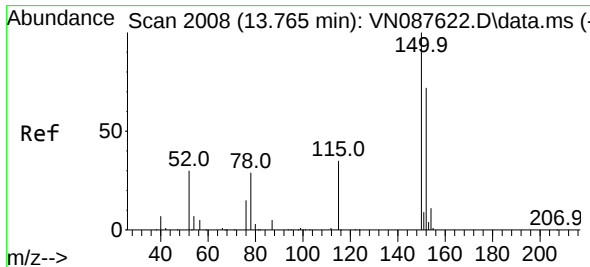
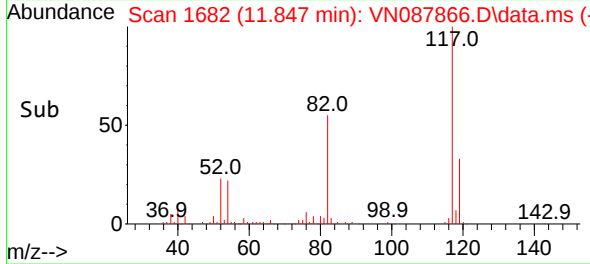
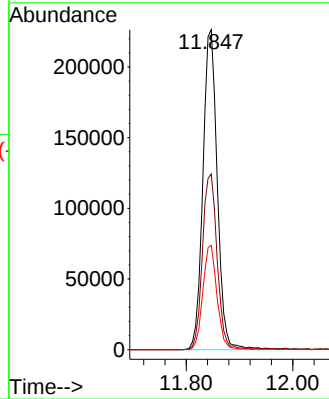
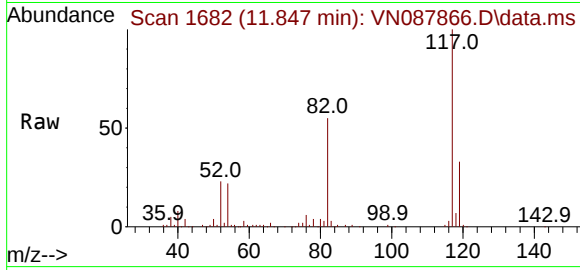




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

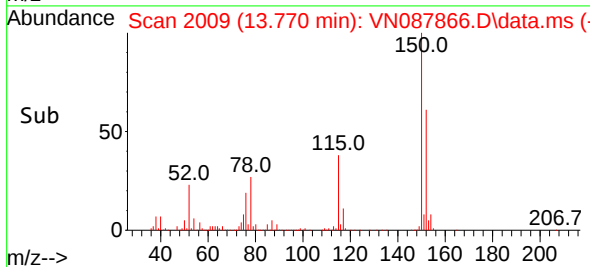
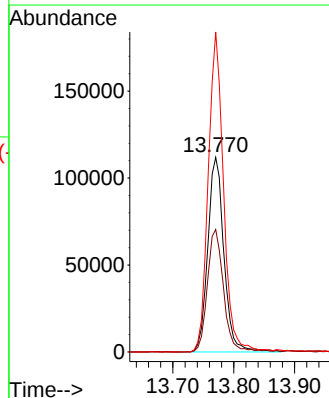
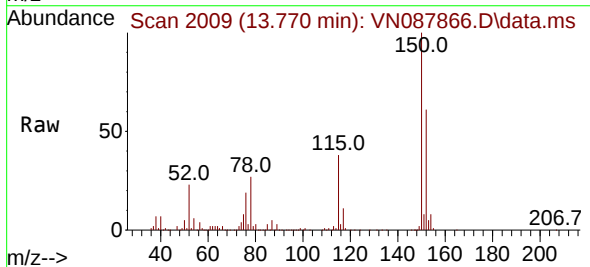
Instrument :  
MSVOA\_N  
ClientSampleId :  
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 423965  
Ion Ratio Lower Upper  
117 100  
82 54.9 47.4 71.2  
119 32.6 24.3 36.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN087866.D  
Acq: 16 Sep 2025 21:05

Tgt Ion:152 Resp: 206726  
Ion Ratio Lower Upper  
152 100  
115 63.0 32.3 96.8  
150 155.3 0.0 351.0





# CALIBRATION SUMMARY



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02  
 Lab Code: ACE SDG No.: Q3087  
 Instrument ID: MSVOA\_N Calibration Date(s): 08/21/2025 08/21/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                   |        | RRF001 = VN087619.D |        | RRF005 = VN087620.D |        | RRF020 = VN087621.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VN087622.D |        | RRF100 = VN087623.D |        | RRF150 = VN087624.D |       |       |  |
| COMPOUND                       | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.707  | 0.579               | 0.606  | 0.810               | 0.777  | 0.782               | 0.710 | 13.7  |  |
| Chloromethane                  | 0.739  | 0.637               | 0.710  | 0.795               | 0.752  | 0.747               | 0.730 | 7.3   |  |
| Vinyl Chloride                 | 0.909  | 0.739               | 0.832  | 0.903               | 0.847  | 0.846               | 0.846 | 7.3   |  |
| Ethyl Acetate                  | 0.877  | 0.700               | 0.761  | 0.742               | 0.731  | 0.731               | 0.757 | 8.2   |  |
| Bromomethane                   |        | 0.388               | 0.393  | 0.448               | 0.466  | 0.488               | 0.437 | 10.2  |  |
| Chloroethane                   | 0.727  | 0.528               | 0.599  | 0.603               | 0.558  | 0.554               | 0.595 | 11.9  |  |
| Trichlorofluoromethane         | 1.323  | 1.139               | 1.242  | 1.274               | 1.227  | 1.233               | 1.240 | 4.9   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.879  | 0.648               | 0.677  | 0.695               | 0.654  | 0.656               | 0.701 | 12.6  |  |
| Tert butyl alcohol             |        | 0.170               | 0.187  | 0.184               | 0.174  | 0.174               | 0.178 | 4     |  |
| 1,1-Dichloroethene             | 0.892  | 0.649               | 0.730  | 0.700               | 0.667  | 0.687               | 0.721 | 12.3  |  |
| Acrolein                       |        | 0.251               | 0.198  | 0.215               | 0.196  | 0.233               | 0.219 | 10.8  |  |
| Acrylonitrile                  | 0.555  | 0.466               | 0.510  | 0.498               | 0.487  | 0.493               | 0.502 | 6     |  |
| Acetone                        | 0.633  | 0.634               | 0.584  | 0.522               | 0.484  | 0.489               | 0.558 | 12.3  |  |
| Carbon Disulfide               | 2.272  | 1.746               | 1.970  | 2.003               | 1.937  | 1.979               | 1.985 | 8.5   |  |
| Methyl tert-butyl Ether        | 2.859  | 2.508               | 2.740  | 2.733               | 2.643  | 2.742               | 2.704 | 4.4   |  |
| Methyl Acetate                 | 1.450  | 1.043               | 1.097  | 1.157               | 1.117  | 1.141               | 1.168 | 12.3  |  |
| Methylene Chloride             | 1.494  | 0.916               | 0.875  | 0.823               | 0.779  | 0.799               | 0.948 | 28.8  |  |
| trans-1,2-Dichloroethene       | 0.952  | 0.734               | 0.768  | 0.750               | 0.737  | 0.745               | 0.781 | 10.8  |  |
| Vinyl Acetate                  | 2.629  | 2.379               | 2.484  | 2.692               | 2.576  | 2.629               | 2.565 | 4.5   |  |
| 1,1-Dichloroethane             | 1.798  | 1.500               | 1.549  | 1.501               | 1.454  | 1.471               | 1.546 | 8.3   |  |
| Cyclohexane                    |        | 1.490               | 1.310  | 1.234               | 1.201  | 1.207               | 1.289 | 9.4   |  |
| 2-Butanone                     | 0.783  | 0.722               | 0.757  | 0.732               | 0.700  | 0.707               | 0.734 | 4.3   |  |
| Carbon Tetrachloride           | 0.571  | 0.509               | 0.568  | 0.542               | 0.549  | 0.542               | 0.547 | 4.1   |  |
| 2,2-Dichloropropane            | 1.500  | 1.243               | 1.326  | 1.317               | 1.277  | 1.296               | 1.327 | 6.8   |  |
| cis-1,2-Dichloroethene         | 0.997  | 0.916               | 0.937  | 0.941               | 0.908  | 0.905               | 0.934 | 3.7   |  |
| Bromochloromethane             | 0.800  | 0.781               | 0.722  | 0.701               | 0.748  | 0.731               | 0.747 | 5     |  |
| Chloroform                     | 1.677  | 1.535               | 1.629  | 1.579               | 1.519  | 1.528               | 1.578 | 4     |  |
| 1,1,1-Trichloroethane          | 1.510  | 1.297               | 1.359  | 1.303               | 1.265  | 1.288               | 1.337 | 6.8   |  |
| Methylcyclohexane              | 0.686  | 0.580               | 0.610  | 0.590               | 0.597  | 0.596               | 0.610 | 6.3   |  |
| 1,1-Dichloropropene            | 0.700  | 0.508               | 0.550  | 0.528               | 0.522  | 0.514               | 0.554 | 13.2  |  |

\* 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.



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Fax : 908 789 8922

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02  
 Lab Code: ACE SDG No.: Q3087  
 Instrument ID: MSVOA\_N Calibration Date(s): 08/21/2025 08/21/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:              | RRF001 = VN087619.D | RRF005 = VN087620.D | RRF020 = VN087621.D | RRF050 = VN087622.D | RRF100 = VN087623.D | RRF150 = VN087624.D |       |       |
|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|-------|-------|
| COMPOUND                  | RRF001              | RRF005              | RRF020              | RRF050              | RRF100              | RRF150              | RRF   | % RSD |
| Benzene                   | 1.853               | 1.637               | 1.727               | 1.684               | 1.639               | 1.652               | 1.699 | 4.9   |
| 1,2-Dichloroethane        | 0.714               | 0.627               | 0.675               | 0.650               | 0.624               | 0.626               | 0.653 | 5.5   |
| Trichloroethene           | 0.435               | 0.387               | 0.390               | 0.377               | 0.367               | 0.370               | 0.388 | 6.5   |
| 1,2-Dichloropropane       | 0.544               | 0.435               | 0.447               | 0.433               | 0.415               | 0.412               | 0.448 | 11    |
| Dibromomethane            | 0.351               | 0.294               | 0.327               | 0.318               | 0.310               | 0.312               | 0.319 | 6.1   |
| Bromodichloromethane      | 0.686               | 0.649               | 0.667               | 0.638               | 0.638               | 0.639               | 0.653 | 3     |
| 4-Methyl-2-Pentanone      | 0.701               | 0.675               | 0.744               | 0.736               | 0.718               | 0.704               | 0.713 | 3.5   |
| Toluene                   | 1.148               | 0.987               | 1.062               | 1.050               | 1.037               | 1.033               | 1.053 | 5     |
| t-1,3-Dichloropropene     | 0.620               | 0.628               | 0.691               | 0.703               | 0.699               | 0.715               | 0.676 | 6.1   |
| cis-1,3-Dichloropropene   | 0.717               | 0.640               | 0.712               | 0.718               | 0.714               | 0.710               | 0.702 | 4.3   |
| 1,1,2-Trichloroethane     | 0.439               | 0.383               | 0.417               | 0.408               | 0.400               | 0.397               | 0.407 | 4.7   |
| 1,3-Dichloropropane       | 0.781               | 0.656               | 0.743               | 0.731               | 0.708               | 0.706               | 0.721 | 5.8   |
| 2-Chloroethyl Vinyl ether | 0.360               | 0.333               | 0.305               | 0.354               | 0.374               | 0.388               | 0.352 | 8.4   |
| 2-Hexanone                | 0.295               | 0.390               | 0.493               | 0.510               | 0.508               | 0.507               | 0.451 | 19.8  |
| Dibromochloromethane      | 0.535               | 0.440               | 0.458               | 0.466               | 0.465               | 0.468               | 0.472 | 6.8   |
| 1,2-Dibromoethane         | 0.412               | 0.433               | 0.444               | 0.432               | 0.429               | 0.427               | 0.430 | 2.4   |
| Tetrachloroethene         | 0.447               | 0.353               | 0.340               | 0.313               | 0.315               | 0.313               | 0.347 | 14.9  |
| Chlorobenzene             | 1.408               | 1.164               | 1.253               | 1.210               | 1.216               | 1.212               | 1.244 | 6.9   |
| 1,1,1,2-Tetrachloroethane | 0.391               | 0.404               | 0.427               | 0.421               | 0.416               | 0.418               | 0.413 | 3.1   |
| Hexachloroethane          | 0.742               | 0.606               | 0.680               | 0.655               | 0.649               | 0.669               | 0.667 | 6.7   |
| Ethyl Benzene             | 2.232               | 1.993               | 2.224               | 2.144               | 2.152               | 2.178               | 2.154 | 4     |
| m/p-Xylenes               | 0.759               | 0.735               | 0.811               | 0.812               | 0.808               | 0.814               | 0.790 | 4.3   |
| o-Xylene                  | 0.777               | 0.707               | 0.794               | 0.796               | 0.788               | 0.784               | 0.774 | 4.3   |
| Styrene                   | 1.142               | 1.086               | 1.391               | 1.382               | 1.386               | 1.393               | 1.297 | 11    |
| Bromoform                 | 0.303               | 0.285               | 0.320               | 0.320               | 0.336               | 0.336               | 0.317 | 6.3   |
| Isopropylbenzene          | 4.328               | 3.674               | 4.096               | 4.026               | 3.998               | 4.120               | 4.040 | 5.3   |
| 1,1,2,2-Tetrachloroethane | 1.488               | 1.381               | 1.421               | 1.363               | 1.322               | 1.371               | 1.391 | 4.1   |
| 1,2,3-Trichloropropane    | 1.274               | 1.171               | 1.188               | 1.073               | 1.074               | 1.256               | 1.173 | 7.4   |
| Bromobenzene              | 1.019               | 0.901               | 0.988               | 0.941               | 0.929               | 0.938               | 0.953 | 4.5   |
| n-propylbenzene           | 5.137               | 4.545               | 5.125               | 5.024               | 4.965               | 5.064               | 4.977 | 4.4   |

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



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Fax : 908 789 8922

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CHEM02  
 Lab Code: ACE SDG No.: Q3087  
 Instrument ID: MSVOA\_N Calibration Date(s): 08/21/2025 08/21/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                |        | RRF001 = VN087619.D |        | RRF005 = VN087620.D |        | RRF020 = VN087621.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF050 = VN087622.D |        | RRF100 = VN087623.D |        | RRF150 = VN087624.D |       |       |  |
| COMPOUND                    | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| 2-Chlorotoluene             | 2.911  | 2.953               | 3.116  | 2.976               | 2.975  | 3.037               | 2.995 | 2.4   |  |
| 1,3,5-Trimethylbenzene      | 3.586  | 3.159               | 3.498  | 3.472               | 3.398  | 3.452               | 3.428 | 4.2   |  |
| 4-Chlorotoluene             | 3.352  | 3.001               | 3.225  | 3.153               | 3.069  | 3.093               | 3.149 | 4     |  |
| tert-Butylbenzene           | 2.913  | 2.674               | 2.899  | 2.911               | 2.857  | 2.884               | 2.856 | 3.2   |  |
| 1,2,4-Trimethylbenzene      | 3.502  | 3.091               | 3.551  | 3.496               | 3.471  | 3.476               | 3.431 | 4.9   |  |
| sec-Butylbenzene            | 4.464  | 4.019               | 4.367  | 4.225               | 4.163  | 4.194               | 4.239 | 3.7   |  |
| p-Isopropyltoluene          | 3.656  | 3.249               | 3.550  | 3.530               | 3.502  | 3.512               | 3.500 | 3.8   |  |
| 1,3-Dichlorobenzene         | 2.087  | 1.770               | 1.940  | 1.827               | 1.806  | 1.826               | 1.876 | 6.3   |  |
| 1,4-Dichlorobenzene         | 2.348  | 1.884               | 1.956  | 1.867               | 1.818  | 1.841               | 1.952 | 10.2  |  |
| n-Butylbenzene              | 3.764  | 3.208               | 3.589  | 3.461               | 3.398  | 3.435               | 3.476 | 5.4   |  |
| 1,2-Dichlorobenzene         | 1.942  | 1.662               | 1.853  | 1.755               | 1.723  | 1.743               | 1.780 | 5.7   |  |
| 1,2-Dibromo-3-Chloropropane | 0.370  | 0.323               | 0.329  | 0.317               | 0.313  | 0.330               | 0.330 | 6.2   |  |
| 1,2,4-Trichlorobenzene      | 1.192  | 0.995               | 1.081  | 1.026               | 1.040  | 1.079               | 1.069 | 6.4   |  |
| Hexachlorobutadiene         | 0.469  | 0.371               | 0.385  | 0.355               | 0.346  | 0.361               | 0.381 | 11.8  |  |
| Naphthalene                 | 3.989  | 3.240               | 3.724  | 3.754               | 3.917  | 4.089               | 3.786 | 7.9   |  |
| 1,2,3-Trichlorobenzene      | 1.140  | 0.972               | 1.059  | 1.006               | 1.019  | 1.072               | 1.045 | 5.7   |  |
| 1,2-Dichloroethane-d4       |        | 1.025               | 1.016  | 0.959               | 1.035  | 1.089               | 1.024 | 4.5   |  |
| Dibromofluoromethane        |        | 0.369               | 0.344  | 0.334               | 0.373  | 0.386               | 0.361 | 6     |  |
| Toluene-d8                  |        | 1.384               | 1.266  | 1.223               | 1.408  | 1.475               | 1.351 | 7.7   |  |
| 4-Bromofluorobenzene        |        | 0.446               | 0.454  | 0.450               | 0.514  | 0.540               | 0.481 | 9     |  |

\* 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.

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\  
 Method File : 82N082125W.M  
 Title : SW846 8260  
 Last Update : Fri Aug 22 02:55:42 2025  
 Response Via : Initial Calibration

## Calibration Files

1 =VN087619.D 5 =VN087620.D 20 =VN087621.D 50 =VN087622.D 100 =VN087623.D 150 =VN087624.D

|        | Compound            | 1              | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD   |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|--------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |        |
| 2) T   | Dichlorodifluo...   | 0.707          | 0.579 | 0.606 | 0.810 | 0.777 | 0.782 | 0.710 | 13.74  |
| 3) P   | Chloromethane       | 0.739          | 0.637 | 0.710 | 0.795 | 0.752 | 0.747 | 0.730 | 7.27   |
| 4) C   | Vinyl Chloride      | 0.909          | 0.739 | 0.832 | 0.903 | 0.847 | 0.846 | 0.846 | 7.29#  |
| 5) T   | Bromomethane        |                | 0.388 | 0.393 | 0.448 | 0.466 | 0.488 | 0.437 | 10.17  |
| 6) T   | Chloroethane        | 0.727          | 0.528 | 0.599 | 0.603 | 0.558 | 0.554 | 0.595 | 11.88  |
| 7) T   | Trichlorofluor...   | 1.323          | 1.139 | 1.242 | 1.274 | 1.227 | 1.233 | 1.240 | 4.91   |
| 8) T   | Diethyl Ether       | 0.637          | 0.501 | 0.544 | 0.529 | 0.510 | 0.519 | 0.540 | 9.22   |
| 9) T   | 1,1,2-Trichlor...   | 0.879          | 0.648 | 0.677 | 0.695 | 0.654 | 0.656 | 0.701 | 12.62  |
| 10) T  | Methyl Iodide       |                | 0.265 | 0.355 | 0.481 | 0.562 | 0.586 | 0.450 | 30.46  |
| 11) T  | Tert butyl alc...   |                | 0.170 | 0.187 | 0.184 | 0.174 | 0.174 | 0.178 | 4.02   |
| 12) CM | 1,1-Dichloroet...   | 0.892          | 0.649 | 0.730 | 0.700 | 0.667 | 0.687 | 0.721 | 12.28# |
| 13) T  | Acrolein            |                | 0.251 | 0.198 | 0.215 | 0.196 | 0.233 | 0.219 | 10.78  |
| 14) T  | Allyl chloride      | 1.577          | 1.184 | 1.254 | 1.240 | 1.208 | 1.376 | 1.306 | 11.34  |
| 15) T  | Acrylonitrile       | 0.555          | 0.466 | 0.510 | 0.498 | 0.487 | 0.493 | 0.502 | 6.00   |
| 16) T  | Acetone             | 0.633          | 0.634 | 0.584 | 0.522 | 0.484 | 0.489 | 0.558 | 12.34  |
| 17) T  | Carbon Disulfide    | 2.272          | 1.746 | 1.970 | 2.003 | 1.937 | 1.979 | 1.985 | 8.51   |
| 18) T  | Methyl Acetate      | 1.450          | 1.043 | 1.097 | 1.157 | 1.117 | 1.141 | 1.168 | 12.33  |
| 19) T  | Methyl tert-bu...   | 2.859          | 2.508 | 2.740 | 2.733 | 2.643 | 2.742 | 2.704 | 4.37   |
| 20) T  | Methylene Chlo...   | 1.494          | 0.916 | 0.875 | 0.823 | 0.779 | 0.799 | 0.948 | 28.76  |
| 21) T  | trans-1,2-Dich...   | 0.952          | 0.734 | 0.768 | 0.750 | 0.737 | 0.745 | 0.781 | 10.83  |
| 22) T  | Diisopropyl ether   | 2.977          | 2.591 | 2.903 | 2.870 | 2.766 | 2.807 | 2.819 | 4.74   |
| 23) T  | Vinyl Acetate       | 2.629          | 2.379 | 2.484 | 2.692 | 2.576 | 2.629 | 2.565 | 4.46   |
| 24) P  | 1,1-Dichloroet...   | 1.798          | 1.500 | 1.549 | 1.501 | 1.454 | 1.471 | 1.546 | 8.28   |
| 25) T  | 2-Butanone          | 0.783          | 0.722 | 0.757 | 0.732 | 0.700 | 0.707 | 0.734 | 4.31   |
| 26) T  | 2,2-Dichloropr...   | 1.500          | 1.243 | 1.326 | 1.317 | 1.277 | 1.296 | 1.327 | 6.78   |
| 27) T  | cis-1,2-Dichlo...   | 0.997          | 0.916 | 0.937 | 0.941 | 0.908 | 0.905 | 0.934 | 3.67   |
| 28) T  | Bromochloromet...   | 0.800          | 0.781 | 0.722 | 0.701 | 0.748 | 0.731 | 0.747 | 4.95   |
| 29) T  | Tetrahydrofuran     | 0.520          | 0.432 | 0.479 | 0.474 | 0.461 | 0.468 | 0.472 | 6.01   |
| 30) C  | Chloroform          | 1.677          | 1.535 | 1.629 | 1.579 | 1.519 | 1.528 | 1.578 | 4.03#  |
| 31) T  | Cyclohexane         |                | 1.490 | 1.310 | 1.234 | 1.201 | 1.207 | 1.289 | 9.38   |
| 32) T  | 1,1,1-Trichlor...   | 1.510          | 1.297 | 1.359 | 1.303 | 1.265 | 1.288 | 1.337 | 6.75   |
| 33) S  | 1,2-Dichloroet...   |                | 1.025 | 1.016 | 0.959 | 1.035 | 1.089 | 1.024 | 4.53   |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |        |
| 35) S  | Dibromofluorom...   |                | 0.369 | 0.344 | 0.334 | 0.373 | 0.386 | 0.361 | 5.97   |
| 36) T  | 1,1-Dichloropr...   | 0.700          | 0.508 | 0.550 | 0.528 | 0.522 | 0.514 | 0.554 | 13.21  |
| 37) T  | Ethyl Acetate       | 0.877          | 0.700 | 0.761 | 0.742 | 0.731 | 0.731 | 0.757 | 8.20   |
| 38) T  | Carbon Tetrach...   | 0.571          | 0.509 | 0.568 | 0.542 | 0.549 | 0.542 | 0.547 | 4.12   |
| 39) T  | Methylcyclohexane   | 0.686          | 0.580 | 0.610 | 0.590 | 0.597 | 0.596 | 0.610 | 6.33   |
| 40) TM | Benzene             | 1.853          | 1.637 | 1.727 | 1.684 | 1.639 | 1.652 | 1.699 | 4.88   |
| 41) T  | Methacrylonitrile   | 0.466          | 0.346 | 0.388 | 0.389 | 0.384 | 0.379 | 0.392 | 10.06  |
| 42) TM | 1,2-Dichloroet...   | 0.714          | 0.627 | 0.675 | 0.650 | 0.624 | 0.626 | 0.653 | 5.48   |
| 43) T  | Isopropyl Acetate   | 1.236          | 1.076 | 1.215 | 1.198 | 1.187 | 1.178 | 1.182 | 4.71   |
| 44) TM | Trichloroethene     | 0.435          | 0.387 | 0.390 | 0.377 | 0.367 | 0.370 | 0.388 | 6.46   |
| 45) C  | 1,2-Dichloropr...   | 0.544          | 0.435 | 0.447 | 0.433 | 0.415 | 0.412 | 0.448 | 10.96# |
| 46) T  | Dibromomethane      | 0.351          | 0.294 | 0.327 | 0.318 | 0.310 | 0.312 | 0.319 | 6.06   |
| 47) T  | Bromodichlorom...   | 0.686          | 0.649 | 0.667 | 0.638 | 0.638 | 0.639 | 0.653 | 3.01   |
| 48) T  | Methyl methacr...   | 0.598          | 0.493 | 0.572 | 0.558 | 0.565 | 0.567 | 0.559 | 6.26   |
| 49) T  | 1,4-Dioxane         | 0.006          | 0.007 | 0.008 | 0.008 | 0.008 | 0.007 | 0.007 | 11.46  |
| 50) S  | Toluene-d8          |                | 1.384 | 1.266 | 1.223 | 1.408 | 1.475 | 1.351 | 7.68   |
| 51) T  | 4-Methyl-2-Pen...   | 0.701          | 0.675 | 0.744 | 0.736 | 0.718 | 0.704 | 0.713 | 3.55   |
| 52) CM | Toluene             | 1.148          | 0.987 | 1.062 | 1.050 | 1.037 | 1.033 | 1.053 | 5.03#  |
| 53) T  | t-1,3-Dichloro...   | 0.620          | 0.628 | 0.691 | 0.703 | 0.699 | 0.715 | 0.676 | 6.08   |
| 54) T  | cis-1,3-Dichlo...   | 0.717          | 0.640 | 0.712 | 0.718 | 0.714 | 0.710 | 0.702 | 4.32   |
| 55) T  | 1,1,2-Trichlor...   | 0.439          | 0.383 | 0.417 | 0.408 | 0.400 | 0.397 | 0.407 | 4.69   |
| 56) T  | Ethyl methacry...   | 0.532          | 0.546 | 0.681 | 0.705 | 0.715 | 0.727 | 0.651 | 13.55  |

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\

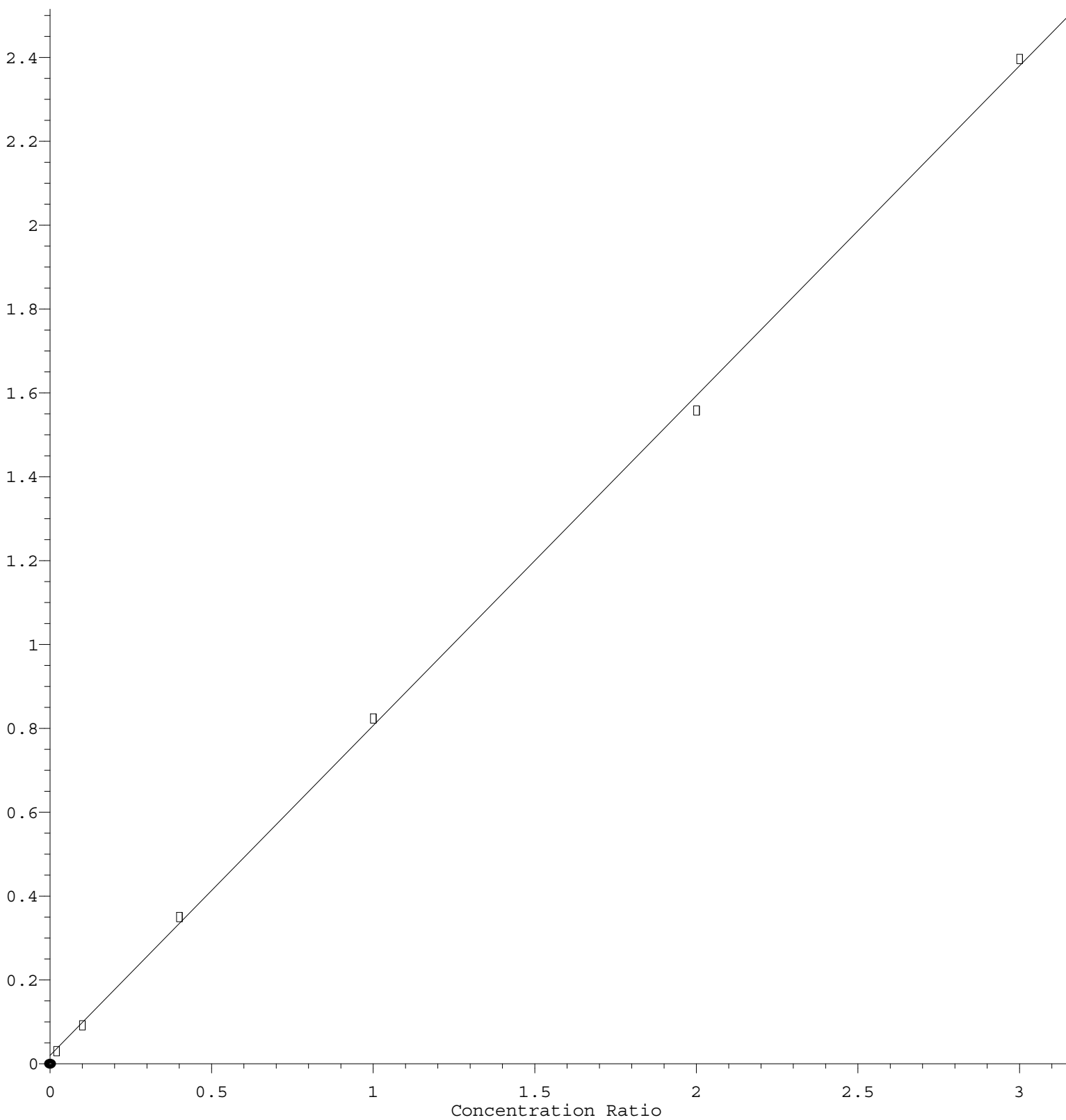
Method File : 82N082125W.M

|     |    |                       |                |       |       |       |       |       |       |       |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 57) | T  | 1,3-Dichloropr...     | 0.781          | 0.656 | 0.743 | 0.731 | 0.708 | 0.706 | 0.721 | 5.80  |
| 58) | T  | 2-Chloroethyl ...     | 0.360          | 0.333 | 0.305 | 0.354 | 0.374 | 0.388 | 0.352 | 8.40  |
| 59) | T  | 2-Hexanone            | 0.295          | 0.390 | 0.493 | 0.510 | 0.508 | 0.507 | 0.451 | 19.77 |
| 60) | T  | Dibromochlorom...     | 0.535          | 0.440 | 0.458 | 0.466 | 0.465 | 0.468 | 0.472 | 6.85  |
| 61) | T  | 1,2-Dibromoethane     | 0.412          | 0.433 | 0.444 | 0.432 | 0.429 | 0.427 | 0.430 | 2.44  |
| 62) | S  | 4-Bromofluorob...     | 0.446          | 0.454 | 0.450 | 0.514 | 0.540 | 0.481 |       | 8.99  |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) | T  | Tetrachloroethene     | 0.447          | 0.353 | 0.340 | 0.313 | 0.315 | 0.313 | 0.347 | 14.89 |
| 65) | PM | Chlorobenzene         | 1.408          | 1.164 | 1.253 | 1.210 | 1.216 | 1.212 | 1.244 | 6.85  |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.391          | 0.404 | 0.427 | 0.421 | 0.416 | 0.418 | 0.413 | 3.14  |
| 67) | C  | Ethyl Benzene         | 2.232          | 1.993 | 2.224 | 2.144 | 2.152 | 2.178 | 2.154 | 4.03# |
| 68) | T  | m/p-Xylenes           | 0.759          | 0.735 | 0.811 | 0.812 | 0.808 | 0.814 | 0.790 | 4.33  |
| 69) | T  | o-Xylene              | 0.777          | 0.707 | 0.794 | 0.796 | 0.788 | 0.784 | 0.774 | 4.35  |
| 70) | T  | Styrene               | 1.142          | 1.086 | 1.391 | 1.382 | 1.386 | 1.393 | 1.297 | 10.99 |
| 71) | P  | Bromoform             | 0.303          | 0.285 | 0.320 | 0.320 | 0.336 | 0.336 | 0.317 | 6.27  |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 73) | T  | Isopropylbenzene      | 4.328          | 3.674 | 4.096 | 4.026 | 3.998 | 4.120 | 4.040 | 5.29  |
| 74) | T  | N-amyl acetate        | 1.569          | 1.538 | 1.265 | 1.555 | 1.527 | 1.733 | 1.531 | 9.86  |
| 75) | P  | 1,1,2,2-Tetrac...     | 1.488          | 1.381 | 1.421 | 1.363 | 1.322 | 1.371 | 1.391 | 4.12  |
| 76) | T  | 1,2,3-Trichlor...     | 1.274          | 1.171 | 1.188 | 1.073 | 1.074 | 1.256 | 1.173 | 7.36  |
| 77) | T  | Bromobenzene          | 1.019          | 0.901 | 0.988 | 0.941 | 0.929 | 0.938 | 0.953 | 4.51  |
| 78) | T  | n-propylbenzene       | 5.137          | 4.545 | 5.125 | 5.024 | 4.965 | 5.064 | 4.977 | 4.44  |
| 79) | T  | 2-Chlorotoluene       | 2.911          | 2.953 | 3.116 | 2.976 | 2.975 | 3.037 | 2.995 | 2.41  |
| 80) | T  | 1,3,5-Trimethy...     | 3.586          | 3.159 | 3.498 | 3.471 | 3.398 | 3.452 | 3.428 | 4.24  |
| 81) | T  | trans-1,4-Dich...     | 0.332          | 0.416 | 0.451 | 0.493 | 0.523 | 0.443 |       | 16.70 |
| 82) | T  | 4-Chlorotoluene       | 3.352          | 3.001 | 3.225 | 3.153 | 3.069 | 3.093 | 3.149 | 3.98  |
| 83) | T  | tert-Butylbenzene     | 2.913          | 2.674 | 2.899 | 2.911 | 2.857 | 2.884 | 2.856 | 3.22  |
| 84) | T  | 1,2,4-Trimethy...     | 3.502          | 3.091 | 3.551 | 3.496 | 3.471 | 3.476 | 3.431 | 4.93  |
| 85) | T  | sec-Butylbenzene      | 4.464          | 4.019 | 4.367 | 4.225 | 4.163 | 4.194 | 4.239 | 3.71  |
| 86) | T  | p-Isopropyltol...     | 3.656          | 3.249 | 3.550 | 3.530 | 3.502 | 3.512 | 3.500 | 3.85  |
| 87) | T  | 1,3-Dichlorobe...     | 2.087          | 1.770 | 1.940 | 1.827 | 1.806 | 1.826 | 1.876 | 6.29  |
| 88) | T  | 1,4-Dichlorobe...     | 2.348          | 1.884 | 1.956 | 1.867 | 1.818 | 1.841 | 1.952 | 10.22 |
| 89) | T  | n-Butylbenzene        | 3.764          | 3.208 | 3.589 | 3.461 | 3.398 | 3.435 | 3.476 | 5.40  |
| 90) | T  | Hexachloroethane      | 0.742          | 0.606 | 0.680 | 0.655 | 0.649 | 0.669 | 0.667 | 6.69  |
| 91) | T  | 1,2-Dichlorobe...     | 1.942          | 1.662 | 1.853 | 1.755 | 1.723 | 1.743 | 1.780 | 5.66  |
| 92) | T  | 1,2-Dibromo-3-...     | 0.370          | 0.323 | 0.329 | 0.317 | 0.313 | 0.330 | 0.330 | 6.21  |
| 93) | T  | 1,2,4-Trichlor...     | 1.192          | 0.995 | 1.081 | 1.026 | 1.040 | 1.079 | 1.069 | 6.43  |
| 94) | T  | Hexachlorobuta...     | 0.469          | 0.371 | 0.385 | 0.355 | 0.346 | 0.361 | 0.381 | 11.80 |
| 95) | T  | Naphthalene           | 3.989          | 3.240 | 3.724 | 3.754 | 3.917 | 4.089 | 3.786 | 7.95  |
| 96) | T  | 1,2,3-Trichlor...     | 1.140          | 0.972 | 1.059 | 1.006 | 1.019 | 1.072 | 1.045 | 5.68  |

-----  
(#) = Out of Range

# Methylene Chloride

Response Ratio



$$\text{Response} = 7.866\text{e-}001 * \text{Amt} + 2.003\text{e-}002$$

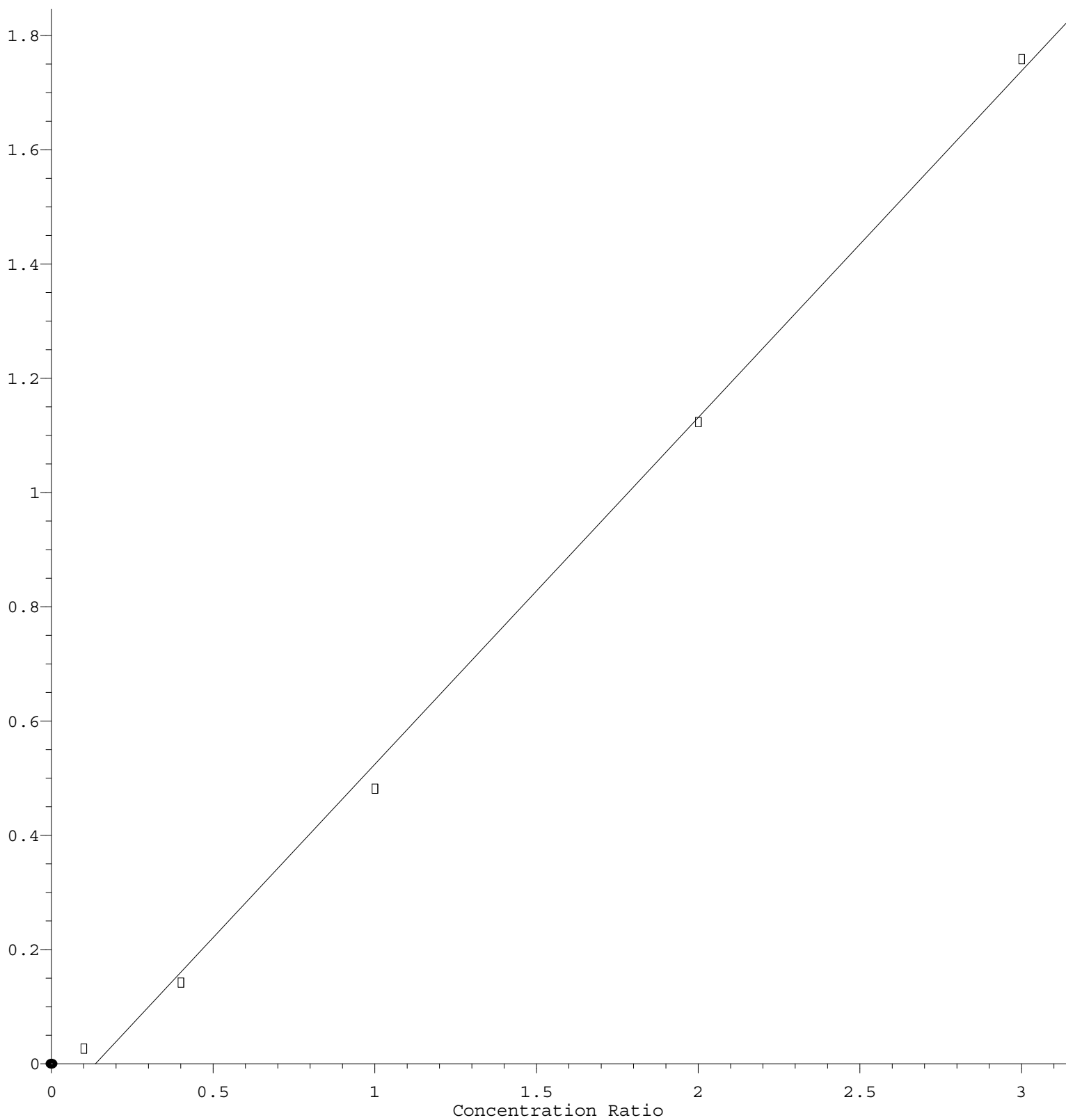
Coef of Det (r^2) = 0.999518 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N082125W.M

Calibration Table Last Updated: Fri Aug 22 02:55:42 2025

## Methyl Iodide

Response Ratio



$$\text{Response} = 6.069\text{e-}001 * \text{Amt} - 8.267\text{e-}002$$

Coef of Det ( $r^2$ ) = 0.997633 Curve Fit: Linear

Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N082125W.M

Calibration Table Last Updated: Fri Aug 22 02:55:42 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087619.D  
 Acq On : 21 Aug 2025 12:09  
 Operator : JC\MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/22/2025  
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:28:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.206  | 168   | 214194   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082  | 114   | 425894   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847 | 117   | 384310   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770 | 152   | 174637   | 50.000   | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 0.000  | 65    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane     | 0.000  | 113   | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8               | 0.000  | 98    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene     | 0.000  | 95    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 0.000%#  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 3030     | 0.996    | ug/l   | 75       |
| 3) Chloromethane             | 2.389  | 50    | 3165     | 1.012    | ug/l # | 87       |
| 4) Vinyl Chloride            | 2.542  | 62    | 3896     | 1.075    | ug/l   | 98       |
| 6) Chloroethane              | 3.142  | 64    | 3113     | 1.222    | ug/l   | 89       |
| 7) Trichlorofluoromethane    | 3.518  | 101   | 5667     | 1.067    | ug/l   | 88       |
| 8) Diethyl Ether             | 3.977  | 74    | 2728m    | 1.179    | ug/l   |          |
| 9) 1,1,2-Trichlorotrifluo... | 4.371  | 101   | 3764     | 1.253    | ug/l # | 68       |
| 12) 1,1-Dichloroethene       | 4.353  | 96    | 3823     | 1.238    | ug/l # | 55       |
| 14) Allyl chloride           | 5.024  | 41    | 6754     | 1.207    | ug/l # | 70       |
| 15) Acrylonitrile            | 5.706  | 53    | 11893    | 5.535    | ug/l # | 90       |
| 16) Acetone                  | 4.424  | 43    | 13568    | 5.679    | ug/l # | 75       |
| 17) Carbon Disulfide         | 4.700  | 76    | 9734     | 1.145    | ug/l # | 90       |
| 18) Methyl Acetate           | 5.012  | 43    | 6213m    | 1.242    | ug/l   |          |
| 19) Methyl tert-butyl Ether  | 5.794  | 73    | 12249    | 1.057    | ug/l   | 91       |
| 20) Methylene Chloride       | 5.277  | 84    | 6402     | 0.627    | ug/l # | 57       |
| 21) trans-1,2-Dichloroethene | 5.777  | 96    | 4079     | 1.219    | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.665  | 45    | 12751    | 1.056    | ug/l # | 76       |
| 23) Vinyl Acetate            | 6.588  | 43    | 56320    | 5.126    | ug/l # | 90       |
| 24) 1,1-Dichloroethane       | 6.541  | 63    | 7704     | 1.163    | ug/l # | 94       |
| 25) 2-Butanone               | 7.471  | 43    | 16779    | 5.338    | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.477  | 77    | 6425     | 1.131    | ug/l   | 77       |
| 27) cis-1,2-Dichloroethene   | 7.477  | 96    | 4272     | 1.068    | ug/l   | 94       |
| 28) Bromochloromethane       | 7.794  | 49    | 3426     | 1.070    | ug/l # | 91       |
| 29) Tetrahydrofuran          | 7.830  | 42    | 11129    | 5.502    | ug/l   | 98       |
| 30) Chloroform               | 7.953  | 83    | 7183     | 1.063    | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.159  | 97    | 6468     | 1.129    | ug/l # | 52       |
| 36) 1,1-Dichloropropene      | 8.353  | 75    | 5965     | 1.264    | ug/l   | 90       |
| 37) Ethyl Acetate            | 7.547  | 43    | 7468m    | 1.159    | ug/l   |          |
| 38) Carbon Tetrachloride     | 8.347  | 117   | 4866     | 1.045    | ug/l   | 90       |
| 39) Methylcyclohexane        | 9.582  | 83    | 5843     | 1.125    | ug/l # | 87       |
| 40) Benzene                  | 8.588  | 78    | 15783    | 1.091    | ug/l   | 100      |
| 41) Methacrylonitrile        | 7.771  | 41    | 3967     | 1.188    | ug/l # | 71       |
| 42) 1,2-Dichloroethane       | 8.659  | 62    | 6078     | 1.093    | ug/l   | 95       |
| 43) Isopropyl Acetate        | 8.677  | 43    | 10524    | 1.046    | ug/l # | 64       |
| 44) Trichloroethene          | 9.329  | 130   | 3709     | 1.123    | ug/l   | 96       |
| 45) 1,2-Dichloropropane      | 9.594  | 63    | 4636     | 1.216    | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087619.D  
 Acq On : 21 Aug 2025 12:09  
 Operator : JC\MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:28:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.694  | 93   | 2989     | 1.101  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.871  | 83   | 5845     | 1.051  | ug/l # | 90       |
| 48) Methyl methacrylate       | 9.671  | 41   | 5091     | 1.069  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 1008     | 16.337 | ug/l # | 13       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 29834    | 4.913  | ug/l   | 99       |
| 52) Toluene                   | 10.606 | 92   | 9776     | 1.090  | ug/l   | 92       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 5278     | 0.917  | ug/l # | 80       |
| 54) cis-1,3-Dichloropropene   | 10.300 | 75   | 6105     | 1.021  | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 3739     | 1.078  | ug/l # | 87       |
| 56) Ethyl methacrylate        | 10.865 | 69   | 4529     | 0.817  | ug/l # | 89       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 6652     | 1.083  | ug/l   | 90       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 15333    | 5.109  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 12564    | 3.274  | ug/l   | 94       |
| 60) Dibromochloromethane      | 11.347 | 129  | 4554     | 1.133  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 3511     | 0.960  | ug/l   | 93       |
| 64) Tetrachloroethene         | 11.076 | 164  | 3433     | 1.288  | ug/l # | 84       |
| 65) Chlorobenzene             | 11.876 | 112  | 10823    | 1.132  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 3009     | 0.948  | ug/l # | 64       |
| 67) Ethyl Benzene             | 11.941 | 91   | 17159    | 1.037  | ug/l   | 92       |
| 68) m/p-Xylenes               | 12.047 | 106  | 11663    | 1.921  | ug/l   | 90       |
| 69) o-Xylene                  | 12.376 | 106  | 5970     | 1.003  | ug/l   | 100      |
| 70) Styrene                   | 12.394 | 104  | 8781     | 0.881  | ug/l   | 97       |
| 71) Bromoform                 | 12.559 | 173  | 2328     | 0.956  | ug/l # | 84       |
| 73) Isopropylbenzene          | 12.676 | 105  | 15118    | 1.071  | ug/l   | 92       |
| 74) N-amyl acetate            | 13.012 | 43   | 5481m    | 1.010  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 5198     | 1.070  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 4451m    | 1.084  | ug/l   |          |
| 77) Bromobenzene              | 12.970 | 156  | 3560     | 1.070  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.017 | 91   | 17943    | 1.032  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.112 | 91   | 10167    | 0.972  | ug/l   | 85       |
| 80) 1,3,5-Trimethylbenzene    | 13.147 | 105  | 12525    | 1.046  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 11708    | 1.065  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 10175    | 1.020  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 12231    | 1.021  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.588 | 105  | 15591    | 1.053  | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 12768    | 1.044  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.717 | 146  | 7290     | 1.113  | ug/l   | 89       |
| 88) 1,4-Dichlorobenzene       | 13.782 | 146  | 8201m    | 1.203  | ug/l   |          |
| 89) n-Butylbenzene            | 14.029 | 91   | 13148    | 1.083  | ug/l   | 96       |
| 90) Hexachloroethane          | 14.311 | 117  | 2591     | 1.113  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.094 | 146  | 6783     | 1.091  | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 1293     | 1.120  | ug/l   | 83       |
| 93) 1,2,4-Trichlorobenzene    | 15.376 | 180  | 4163     | 1.115  | ug/l   | 88       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 1637     | 1.230  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 13934    | 1.054  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 3983     | 1.091  | ug/l   | 89       |

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

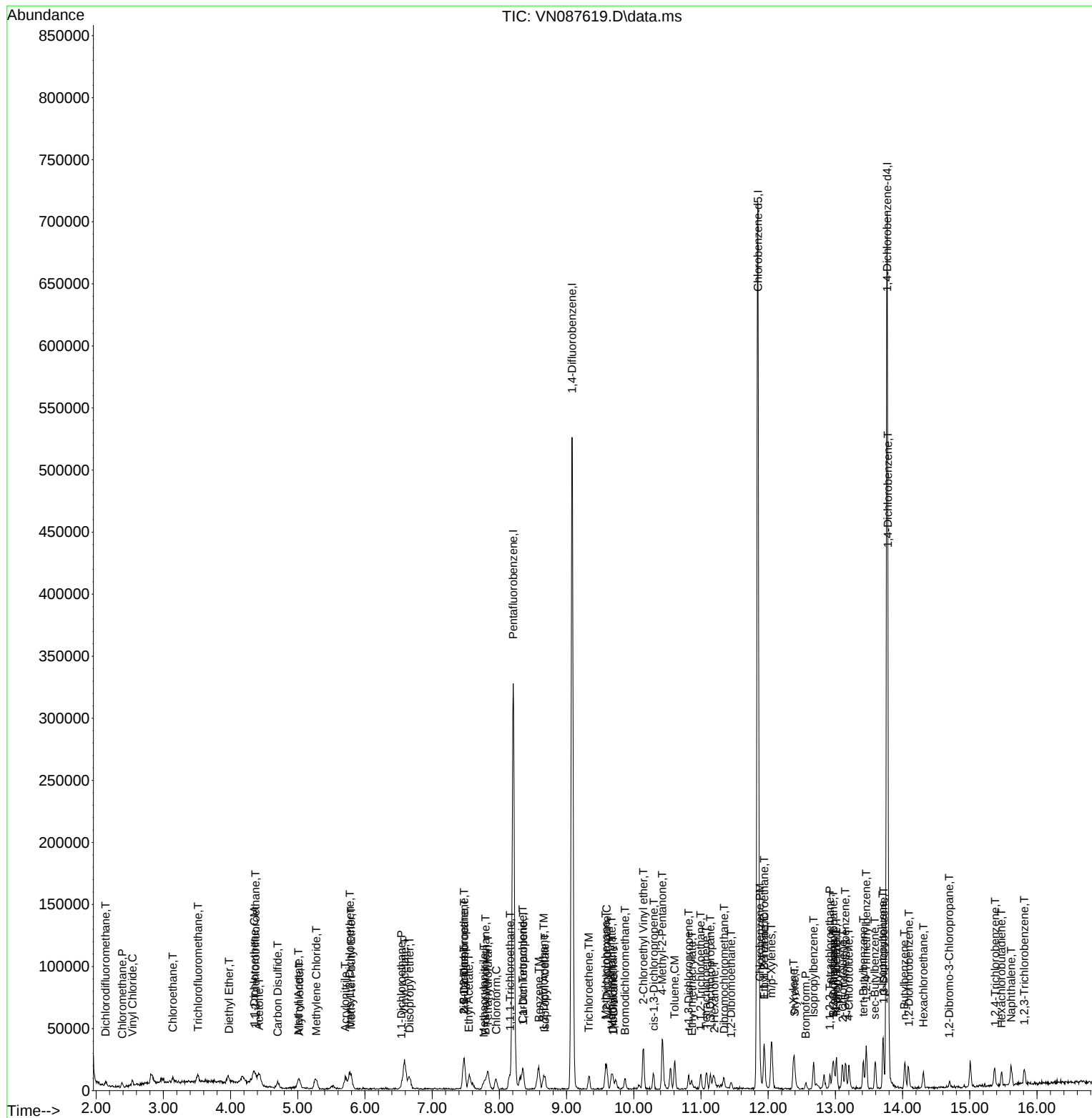
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\  
Data File : VN087619.D  
Acq On    : 21 Aug 2025  12:09  
Operator  : JC\MD  
Sample    : VSTDICC001  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 6      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC001

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:28:55 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:09:28 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087620.D  
 Acq On : 21 Aug 2025 13:08  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 230389     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 446380     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 411161     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 194457     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 23607      | 5.001   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 10.000% | #      |          |
| 35) Dibromofluoromethane     | 8.141          | 113  | 16452      | 5.105   | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 10.200% | #      |          |
| 50) Toluene-d8               | 10.547         | 98   | 61777      | 5.121   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 10.240% | #      |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 19896      | 4.638   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 9.280%  | #      |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 13341      | 4.077   | ug/l   | 91       |
| 3) Chloromethane             | 2.383          | 50   | 14670      | 4.363   | ug/l # | 87       |
| 4) Vinyl Chloride            | 2.542          | 62   | 17021      | 4.366   | ug/l   | 96       |
| 5) Bromomethane              | 2.971          | 94   | 8950       | 4.449   | ug/l # | 67       |
| 6) Chloroethane              | 3.130          | 64   | 12160      | 4.437   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 26231      | 4.592   | ug/l # | 69       |
| 8) Diethyl Ether             | 3.959          | 74   | 11532      | 4.635   | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 14929      | 4.619   | ug/l # | 85       |
| 10) Methyl Iodide            | 4.583          | 142  | 6109       | 8.995   | ug/l   | 90       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 19630      | 23.954  | ug/l # | 71       |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 14950      | 4.501   | ug/l   | 89       |
| 13) Acrolein                 | 4.183          | 56   | 28918      | 28.704  | ug/l   | 96       |
| 14) Allyl chloride           | 5.012          | 41   | 27277      | 4.532   | ug/l   | 94       |
| 15) Acrylonitrile            | 5.706          | 53   | 53640      | 23.209  | ug/l   | 99       |
| 16) Acetone                  | 4.418          | 43   | 73025      | 28.418  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.694          | 76   | 40223      | 4.399   | ug/l # | 94       |
| 18) Methyl Acetate           | 5.012          | 43   | 24038      | 4.468   | ug/l # | 61       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 57783      | 4.637   | ug/l   | 98       |
| 20) Methylene Chloride       | 5.253          | 84   | 21101      | 4.549   | ug/l # | 80       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 16922      | 4.701   | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.653          | 45   | 59705      | 4.596   | ug/l   | 99       |
| 23) Vinyl Acetate            | 6.588          | 43   | 274045     | 23.189  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 34563      | 4.853   | ug/l   | 98       |
| 25) 2-Butanone               | 7.477          | 43   | 83189      | 24.607  | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.482          | 77   | 28641      | 4.685   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 7.465          | 96   | 21105      | 4.904   | ug/l   | 95       |
| 28) Bromochloromethane       | 7.788          | 49   | 17986      | 5.224   | ug/l # | 98       |
| 29) Tetrahydrofuran          | 7.830          | 42   | 49801      | 22.890  | ug/l   | 97       |
| 30) Chloroform               | 7.953          | 83   | 35366      | 4.865   | ug/l   | 89       |
| 31) Cyclohexane              | 8.241          | 56   | 34337      | 5.783   | ug/l # | 96       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 29878      | 4.850   | ug/l   | 90       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 22697      | 4.591   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.547          | 43   | 31230m     | 4.622   | ug/l   |          |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 22716      | 4.653   | ug/l # | 84       |
| 39) Methylcyclohexane        | 9.576          | 83   | 25902      | 4.758   | ug/l   | 91       |
| 40) Benzene                  | 8.582          | 78   | 73071      | 4.818   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087620.D  
 Acq On : 21 Aug 2025 13:08  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 15464    | 4.419  | ug/l # | 95       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 27989    | 4.803  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 48032    | 4.554  | ug/l   | 99       |
| 44) Trichloroethene           | 9.329  | 130  | 17267    | 4.987  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 19397    | 4.853  | ug/l   | 95       |
| 46) Dibromomethane            | 9.694  | 93   | 13115    | 4.611  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.865  | 83   | 28992    | 4.973  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.659  | 41   | 22006    | 4.411  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 6079     | 94.002 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 150608   | 23.665 | ug/l   | 97       |
| 52) Toluene                   | 10.606 | 92   | 44071    | 4.688  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.812 | 75   | 28043    | 4.647  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 28580    | 4.561  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 17105    | 4.703  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 24379    | 4.194  | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 29300    | 4.552  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 74236    | 23.598 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.182 | 43   | 87097    | 21.654 | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.335 | 129  | 19653    | 4.664  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 19347    | 5.045  | ug/l   | 93       |
| 64) Tetrachloroethene         | 11.082 | 164  | 14530    | 5.094  | ug/l # | 82       |
| 65) Chlorobenzene             | 11.870 | 112  | 47879    | 4.681  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 16599    | 4.888  | ug/l   | 88       |
| 67) Ethyl Benzene             | 11.941 | 91   | 81935    | 4.626  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.053 | 106  | 60444    | 9.306  | ug/l   | 96       |
| 69) o-Xylene                  | 12.376 | 106  | 29064    | 4.566  | ug/l   | 98       |
| 70) Styrene                   | 12.388 | 104  | 44658    | 4.188  | ug/l   | 93       |
| 71) Bromoform                 | 12.559 | 173  | 11710    | 4.496  | ug/l # | 92       |
| 73) Isopropylbenzene          | 12.670 | 105  | 71448    | 4.547  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.670 | 43   | 29903m   | 4.946  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 26850    | 4.963  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.976 | 75   | 22762m   | 4.980  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 17527    | 4.731  | ug/l   | 97       |
| 78) n-propylbenzene           | 13.012 | 91   | 88388    | 4.567  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 57432    | 4.931  | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 61434    | 4.609  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 6458     | 3.749  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 58355    | 4.765  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 51989    | 4.680  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.464 | 105  | 60099    | 4.504  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 78154    | 4.741  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 63187    | 4.642  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 34424    | 4.718  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 36629    | 4.824  | ug/l   | 95       |
| 89) n-Butylbenzene            | 14.035 | 91   | 62374    | 4.614  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 11787    | 4.545  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.088 | 146  | 32320    | 4.669  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 6280     | 4.887  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 19345    | 4.654  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 7207     | 4.864  | ug/l   | 96       |
| 95) Naphthalene               | 15.611 | 128  | 63009    | 4.280  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 18896    | 4.650  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087620.D  
Acq On : 21 Aug 2025 13:08  
Operator : JC\MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:09:28 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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087621.D  
 Acq On : 21 Aug 2025 13:41  
 Operator : JC\MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 225514     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083          | 114  | 446006     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 409187     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.771         | 152  | 204594     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 91607      | 19.826   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 39.660%# |        |          |
| 35) Dibromofluoromethane     | 8.153          | 113  | 61315      | 19.041   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 38.080%# |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 225931     | 18.746   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 37.500%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 80936      | 18.883   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 37.760%# |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 54651      | 17.063   | ug/l   | 96       |
| 3) Chloromethane             | 2.383          | 50   | 64072      | 19.466   | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.536          | 62   | 75059      | 19.667   | ug/l   | 99       |
| 5) Bromomethane              | 2.971          | 94   | 35415      | 17.984   | ug/l   | 90       |
| 6) Chloroethane              | 3.136          | 64   | 54039      | 20.146   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 112067     | 20.042   | ug/l   | 92       |
| 8) Diethyl Ether             | 3.954          | 74   | 49068      | 20.150   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 61080      | 19.305   | ug/l   | 96       |
| 10) Methyl Iodide            | 4.583          | 142  | 32047      | 18.518   | ug/l # | 97       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 84156      | 104.914  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 65870      | 20.259   | ug/l   | 93       |
| 13) Acrolein                 | 4.171          | 56   | 89266      | 90.522   | ug/l   | 99       |
| 14) Allyl chloride           | 5.012          | 41   | 113139     | 19.202   | ug/l   | 96       |
| 15) Acrylonitrile            | 5.706          | 53   | 230008     | 101.673  | ug/l   | 99       |
| 16) Acetone                  | 4.418          | 43   | 263348     | 104.700  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.701          | 76   | 177734     | 19.857   | ug/l   | 100      |
| 18) Methyl Acetate           | 5.012          | 43   | 98949      | 18.789   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.789          | 73   | 247157     | 20.264   | ug/l   | 99       |
| 20) Methylene Chloride       | 5.265          | 84   | 78920      | 20.972   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 69321      | 19.672   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.653          | 45   | 261888     | 20.597   | ug/l   | 97       |
| 23) Vinyl Acetate            | 6.589          | 43   | 1120284    | 96.845   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 139765     | 20.048   | ug/l   | 99       |
| 25) 2-Butanone               | 7.465          | 43   | 341538     | 103.210  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.477          | 77   | 119616     | 19.991   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 84502      | 20.059   | ug/l   | 97       |
| 28) Bromochloromethane       | 7.800          | 49   | 65173      | 19.338   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.830          | 42   | 215847     | 101.354  | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 146915     | 20.647   | ug/l   | 99       |
| 31) Cyclohexane              | 8.241          | 56   | 118194     | 20.337   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 122634     | 20.336   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 98127      | 19.863   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.547          | 43   | 135691     | 20.101   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 101311     | 20.771   | ug/l   | 92       |
| 39) Methylcyclohexane        | 9.577          | 83   | 108801     | 20.005   | ug/l   | 97       |
| 40) Benzene                  | 8.588          | 78   | 308160     | 20.338   | ug/l   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087621.D  
 Acq On : 21 Aug 2025 13:41  
 Operator : JC\MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VSTDICC020

## Manual Integrations

## APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M

Quant Title : SW846 8260

QLast Update : Fri Aug 22 02:09:28 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 69274    | 19.811  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 120495   | 20.694  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 216674   | 20.559  | ug/l   | 99       |
| 44) Trichloroethene           | 9.336  | 130  | 69650    | 20.134  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 79779    | 19.975  | ug/l   | 99       |
| 46) Dibromomethane            | 9.688  | 93   | 58410    | 20.551  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.871  | 83   | 118959   | 20.423  | ug/l   | 90       |
| 48) Methyl methacrylate       | 9.665  | 41   | 101988   | 20.458  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 29266    | 452.929 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 663566   | 104.353 | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 189511   | 20.175  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 123317   | 20.453  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 127086   | 20.300  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 74360    | 20.463  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 121534   | 20.928  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 132575   | 20.615  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 272481   | 86.689  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.177 | 43   | 439624   | 109.392 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 81730    | 19.411  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 79247    | 20.682  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.082 | 164  | 55688    | 19.616  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.871 | 112  | 205088   | 20.146  | ug/l   | 92       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 69837    | 20.664  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 364023   | 20.653  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.053 | 106  | 265461   | 41.067  | ug/l   | 99       |
| 69) o-Xylene                  | 12.377 | 106  | 129958   | 20.515  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 227729   | 21.458  | ug/l   | 100      |
| 71) Bromoform                 | 12.559 | 173  | 52443    | 20.233  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.676 | 105  | 335219   | 20.276  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.547 | 43   | 103508m  | 16.273  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 116302   | 20.433  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.976 | 75   | 97260m   | 20.223  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 80835    | 20.737  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.012 | 91   | 419422   | 20.596  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 255043   | 20.812  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 286272   | 20.412  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 34072    | 18.801  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 263916   | 20.483  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.418 | 119  | 237268   | 20.302  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 290636   | 20.701  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 357394   | 20.607  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 290561   | 20.288  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 158749   | 20.680  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 160067   | 20.037  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 293738   | 20.652  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.312 | 117  | 55637    | 20.391  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 151644   | 20.823  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 26895    | 19.891  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 88494    | 20.236  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 31498    | 20.203  | ug/l   | 97       |
| 95) Naphthalene               | 15.612 | 128  | 304789   | 19.677  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 86694    | 20.278  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087621.D  
Acq On : 21 Aug 2025 13:41  
Operator : JC\MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:09:28 2025  
Response via : Initial Calibration

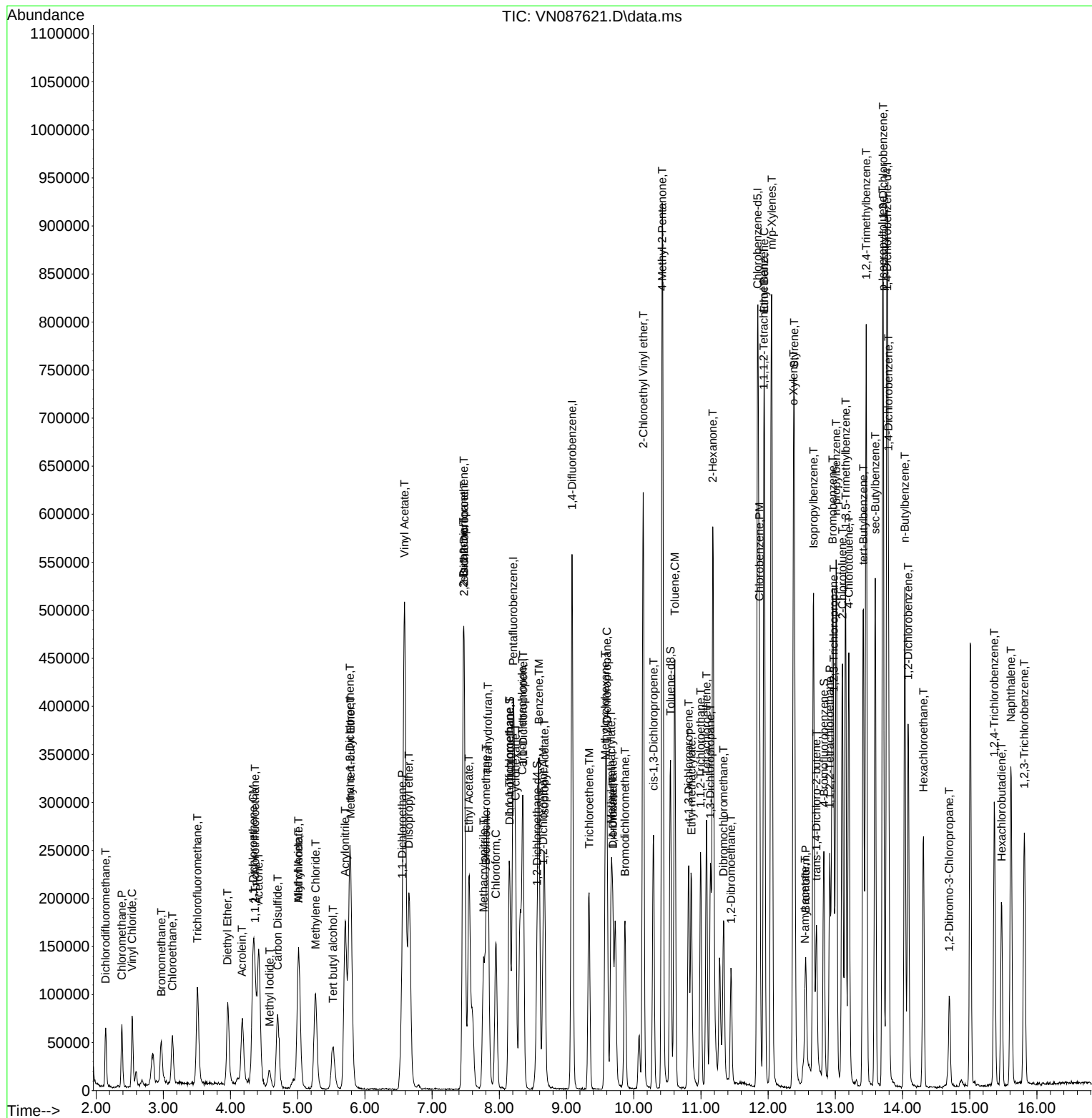
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC020

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087622.D  
 Acq On : 21 Aug 2025 14:02  
 Operator : JC\MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 234546     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083          | 114  | 468145     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 438262     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.765         | 152  | 220862     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 224856     | 46.791  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 93.580% |        |          |
| 35) Dibromofluoromethane     | 8.153          | 113  | 156332     | 46.252  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 92.500% |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 572648     | 45.266  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 90.540% |        |          |
| 62) 4-Bromofluorobenzene     | 12.823         | 95   | 210592     | 46.809  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 93.620% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 189901     | 57.007  | ug/l   | 100      |
| 3) Chloromethane             | 2.383          | 50   | 186373     | 54.441  | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.542          | 62   | 211909     | 53.387  | ug/l   | 100      |
| 5) Bromomethane              | 2.971          | 94   | 105105     | 51.318  | ug/l   | 100      |
| 6) Chloroethane              | 3.136          | 64   | 141335     | 50.661  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 298853     | 51.389  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.953          | 74   | 124074     | 48.989  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 162971     | 49.526  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.577          | 142  | 112901     | 46.467  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 5.518          | 59   | 216189     | 259.137 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.336          | 96   | 164165     | 48.547  | ug/l   | 100      |
| 13) Acrolein                 | 4.171          | 56   | 251949     | 245.655 | ug/l   | 100      |
| 14) Allyl chloride           | 5.006          | 41   | 290757     | 47.448  | ug/l   | 100      |
| 15) Acrylonitrile            | 5.706          | 53   | 584519     | 248.432 | ug/l   | 100      |
| 16) Acetone                  | 4.424          | 43   | 612147     | 234.001 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.700          | 76   | 469891     | 50.475  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.012          | 43   | 271363     | 49.542  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.789          | 73   | 641051     | 50.534  | ug/l   | 100      |
| 20) Methylene Chloride       | 5.265          | 84   | 193144     | 51.071  | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 175989     | 48.020  | ug/l   | 100      |
| 22) Diisopropyl ether        | 6.659          | 45   | 673069     | 50.897  | ug/l   | 100      |
| 23) Vinyl Acetate            | 6.589          | 43   | 3156445    | 262.358 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.547          | 63   | 352088     | 48.560  | ug/l   | 100      |
| 25) 2-Butanone               | 7.465          | 43   | 858584     | 249.467 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.477          | 77   | 308944     | 49.645  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.465          | 96   | 220668     | 50.366  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.800          | 49   | 164506     | 46.931  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.824          | 42   | 555506     | 250.802 | ug/l   | 100      |
| 30) Chloroform               | 7.947          | 83   | 370301     | 50.036  | ug/l   | 100      |
| 31) Cyclohexane              | 8.236          | 56   | 289400     | 47.878  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 305533     | 48.715  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 247135     | 47.660  | ug/l   | 100      |
| 37) Ethyl Acetate            | 7.547          | 43   | 347439     | 49.034  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 253643     | 49.543  | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.583          | 83   | 276006     | 48.348  | ug/l   | 100      |
| 40) Benzene                  | 8.588          | 78   | 788238     | 49.562  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087622.D  
 Acq On : 21 Aug 2025 14:02  
 Operator : JC\MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 182028   | 49.594   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 304323   | 49.794   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.671  | 43   | 560899   | 50.703   | ug/l   | 100      |
| 44) Trichloroethene           | 9.330  | 130  | 176493   | 48.607   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 202893   | 48.398   | ug/l   | 100      |
| 46) Dibromomethane            | 9.688  | 93   | 148909   | 49.915   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.871  | 83   | 298888   | 48.886   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.665  | 41   | 261445   | 49.964   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.683  | 88   | 72780    | 1073.097 | ug/l # | 100      |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 1722397  | 258.056  | ug/l   | 100      |
| 52) Toluene                   | 10.606 | 92   | 491725   | 49.872   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 329003   | 51.987   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.288 | 75   | 335961   | 51.127   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 190842   | 50.035   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.853 | 69   | 330271   | 54.182   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 342170   | 50.690   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 829191   | 251.329  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.177 | 43   | 1194193  | 283.100  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 218275   | 49.389   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 202283   | 50.296   | ug/l   | 100      |
| 64) Tetrachloroethene         | 11.082 | 164  | 137281   | 45.149   | ug/l   | 100      |
| 65) Chlorobenzene             | 11.871 | 112  | 530421   | 48.648   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 184496   | 50.970   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.941 | 91   | 939520   | 49.767   | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.047 | 106  | 711871   | 102.820  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 348655   | 51.386   | ug/l   | 100      |
| 70) Styrene                   | 12.388 | 104  | 605599   | 53.277   | ug/l   | 100      |
| 71) Bromoform                 | 12.559 | 173  | 140399   | 50.575   | ug/l   | 100      |
| 73) Isopropylbenzene          | 12.671 | 105  | 889165   | 49.821   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.500 | 43   | 343435m  | 50.016   | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 301018   | 48.990   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 236877m  | 45.626   | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 207789   | 49.379   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.012 | 91   | 1109533  | 50.472   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 657210   | 49.679   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 766722   | 50.642   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 99551    | 50.885   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 696270   | 50.059   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.418 | 119  | 642869   | 50.955   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 772176   | 50.948   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 933105   | 49.838   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 779657   | 50.430   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 403466   | 48.688   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 412346   | 47.815   | ug/l   | 100      |
| 89) n-Butylbenzene            | 14.029 | 91   | 764482   | 49.789   | ug/l   | 100      |
| 90) Hexachloroethane          | 14.312 | 117  | 144635   | 49.105   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 387612   | 49.303   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 70059    | 47.997   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 226580   | 47.995   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 78424    | 46.597   | ug/l   | 100      |
| 95) Naphthalene               | 15.612 | 128  | 829102   | 49.583   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 222211   | 48.148   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087622.D  
Acq On : 21 Aug 2025 14:02  
Operator : JC\MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:09:28 2025  
Response via : Initial Calibration

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

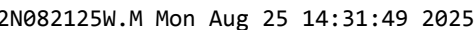
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICCC050

## Manual Integrations

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087623.D  
 Acq On : 21 Aug 2025 14:23  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:33:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 247255               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 481199               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.841         | 117  | 447994               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 226864               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                      |         |        |          |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 511669               | 101.001 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 202.000%# |         |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 358663               | 103.235 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 206.460%# |         |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 1354664              | 104.177 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 208.360%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 494494               | 106.930 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 213.860%# |         |        |          |
|                              |                |      |                      |         |        |          |
| Target Compounds             |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 384461               | 109.480 | ug/l   | 97       |
| 3) Chloromethane             | 2.383          | 50   | 371688               | 102.992 | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.536          | 62   | 418975               | 100.128 | ug/l   | 97       |
| 5) Bromomethane              | 2.959          | 94   | 230328               | 106.679 | ug/l   | 97       |
| 6) Chloroethane              | 3.124          | 64   | 276071               | 93.871  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 606894               | 98.995  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.959          | 74   | 252092               | 94.419  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 323480               | 93.250  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.577          | 142  | 277692               | 99.335  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 430345               | 489.322 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.330          | 96   | 329881               | 92.539  | ug/l   | 95       |
| 13) Acrolein                 | 4.171          | 56   | 484654               | 448.258 | ug/l   | 100      |
| 14) Allyl chloride           | 5.012          | 41   | 597335               | 92.467  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.706          | 53   | 1204622              | 485.671 | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 1195609              | 433.545 | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.700          | 76   | 957812               | 97.598  | ug/l   | 98       |
| 18) Methyl Acetate           | 5.012          | 43   | 552409               | 95.669  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 1306892              | 97.726  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.259          | 84   | 385191               | 97.752  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 364392               | 94.317  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.659          | 45   | 1368059              | 98.135  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.588          | 43   | 6369332              | 502.195 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 719127               | 94.084  | ug/l   | 98       |
| 25) 2-Butanone               | 7.471          | 43   | 1730205              | 476.881 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 631604               | 96.278  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 449130               | 97.241  | ug/l   | 100      |
| 28) Bromochloromethane       | 7.794          | 49   | 369878               | 100.097 | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 1140137              | 488.295 | ug/l   | 100      |
| 30) Chloroform               | 7.947          | 83   | 751186               | 96.286  | ug/l   | 97       |
| 31) Cyclohexane              | 8.235          | 56   | 593829               | 93.193  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 625473               | 94.602  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 502476               | 94.275  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 703230               | 96.555  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 528406               | 100.412 | ug/l   | 93       |
| 39) Methylcyclohexane        | 9.582          | 83   | 574374               | 97.883  | ug/l   | 98       |
| 40) Benzene                  | 8.588          | 78   | 1577387              | 96.490  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087623.D  
 Acq On : 21 Aug 2025 14:23  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:33:40 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 369145   | 97.845   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 600726   | 95.625   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 1142494  | 100.474  | ug/l   | 99       |
| 44) Trichloroethene           | 9.329  | 130  | 353426   | 94.694   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 399209   | 92.644   | ug/l   | 99       |
| 46) Dibromomethane            | 9.688  | 93   | 298076   | 97.207   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.871  | 83   | 613683   | 97.651   | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.665  | 41   | 543991   | 101.141  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 148991   | 2137.188 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 3455510  | 503.673  | ug/l   | 99       |
| 52) Toluene                   | 10.612 | 92   | 998331   | 98.507   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 672690   | 103.410  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 686982   | 101.709  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 385129   | 98.234   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 688119   | 109.827  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 681646   | 98.241   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 1799387  | 530.602  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.176 | 43   | 2445031  | 563.903  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 447781   | 98.572   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 412721   | 99.836   | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.082 | 164  | 282055   | 90.747   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.870 | 112  | 1089532  | 97.756   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 373160   | 100.851  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 1928084  | 99.914   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.047 | 106  | 1448543  | 204.677  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 705872   | 101.775  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 1242271  | 106.913  | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 300919   | 106.042  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.670 | 105  | 1813905  | 98.947   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.488 | 43   | 692783   | 98.225   | ug/l # | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 599955   | 95.058   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 487205m  | 91.360   | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 421382   | 97.488   | ug/l   | 100      |
| 78) n-propylbenzene           | 13.011 | 91   | 2252725  | 99.764   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 1350026  | 99.349   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 1541753  | 99.138   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 223478   | 111.207  | ug/l   | 85       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 1392464  | 97.464   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 1296218  | 100.022  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 1574771  | 101.155  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 1888785  | 98.213   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 1589055  | 100.064  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 819384   | 96.262   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 824944   | 93.128   | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.029 | 91   | 1541853  | 97.761   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 294494   | 97.338   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 781928   | 96.828   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 142185   | 94.833   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 471693   | 97.272   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 157139   | 90.896   | ug/l   | 99       |
| 95) Naphthalene               | 15.611 | 128  | 1777069  | 103.462  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 462335   | 97.526   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087623.D  
Acq On : 21 Aug 2025 14:23  
Operator : JC\MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:33:40 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:09:28 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\VN082125\  
 Data File : VN087623.D  
 Acq On : 21 Aug 2025 14:23  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 11 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VSTDICC100

## Manual Integrations

## APPROVED

Reviewed By :John Carlone 08/22/2025

Supervised By :Mahesh Dadoda 08/25/2025

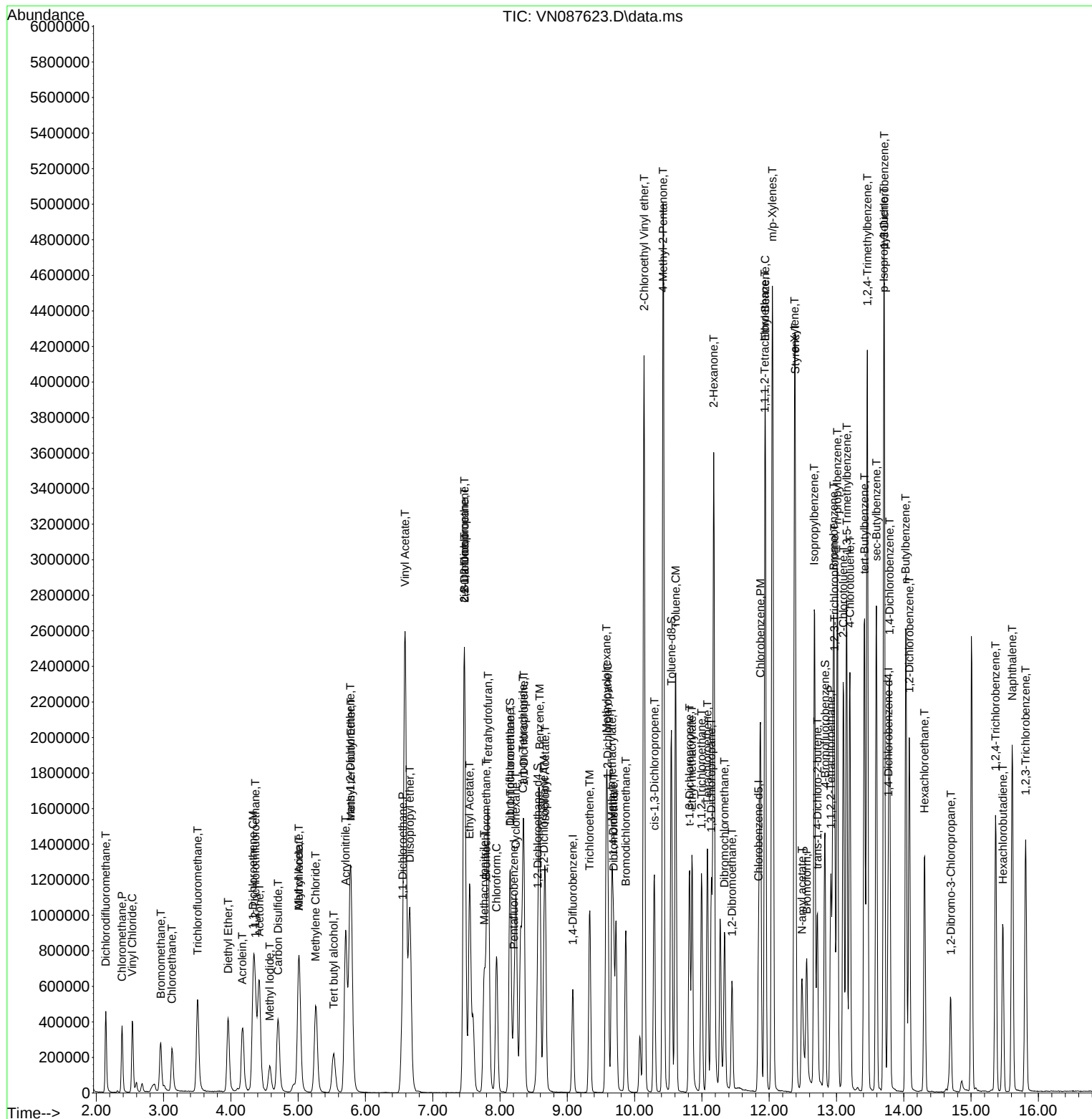
Quant Time: Aug 22 02:33:40 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M

Quant Title : SW846 8260

QLast Update : Fri Aug 22 02:09:28 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087624.D  
 Acq On : 21 Aug 2025 14:44  
 Operator : JC\MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC150

Quant Time: Aug 22 02:36:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 245979   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.083  | 114  | 485482   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.841 | 117  | 448278   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152  | 220585   | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.559  | 65    | 803343   | 159.399  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | = 318.800%# |      |
| 35) Dibromofluoromethane  | 8.147  | 113   | 562370   | 160.440  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 320.880%# |      |
| 50) Toluene-d8            | 10.547 | 98    | 2147647  | 163.702  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | = 327.400%# |      |
| 62) 4-Bromofluorobenzene  | 12.823 | 95    | 785776   | 168.419  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | = 336.840%# |      |

#### Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 576704  | 165.075 | ug/l | 97     |
| 3) Chloromethane             | 2.383 | 50  | 550985  | 153.466 | ug/l | 98     |
| 4) Vinyl Chloride            | 2.536 | 62  | 624259  | 149.961 | ug/l | 96     |
| 5) Bromomethane              | 2.942 | 94  | 360172  | 167.683 | ug/l | 96     |
| 6) Chloroethane              | 3.124 | 64  | 408766  | 139.711 | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.506 | 101 | 909991  | 149.205 | ug/l | 94     |
| 8) Diethyl Ether             | 3.959 | 74  | 383278  | 144.299 | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 484239  | 140.317 | ug/l | 98     |
| 10) Methyl Iodide            | 4.577 | 142 | 432564  | 151.685 | ug/l | 97     |
| 11) Tert butyl alcohol       | 5.530 | 59  | 641433  | 733.123 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 4.336 | 96  | 506728  | 142.886 | ug/l | 97     |
| 13) Acrolein                 | 4.171 | 56  | 861137  | 800.600 | ug/l | 99     |
| 14) Allyl chloride           | 5.012 | 41  | 1015124 | 157.956 | ug/l | 93     |
| 15) Acrylonitrile            | 5.706 | 53  | 1818844 | 737.113 | ug/l | 99     |
| 16) Acetone                  | 4.424 | 43  | 1805178 | 657.978 | ug/l | 98     |
| 17) Carbon Disulfide         | 4.700 | 76  | 1460081 | 149.550 | ug/l | 100    |
| 18) Methyl Acetate           | 5.012 | 43  | 842183  | 146.610 | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 5.783 | 73  | 2023752 | 152.117 | ug/l | 97     |
| 20) Methylene Chloride       | 5.259 | 84  | 589373  | 151.029 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene | 5.771 | 96  | 549970  | 143.089 | ug/l | 98     |
| 22) Diisopropyl ether        | 6.659 | 45  | 2071435 | 149.361 | ug/l | 99     |
| 23) Vinyl Acetate            | 6.589 | 43  | 9699326 | 768.719 | ug/l | 100    |
| 24) 1,1-Dichloroethane       | 6.553 | 63  | 1085255 | 142.721 | ug/l | 98     |
| 25) 2-Butanone               | 7.471 | 43  | 2610414 | 723.217 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 7.471 | 77  | 956513  | 146.562 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 7.471 | 96  | 667748  | 145.324 | ug/l | 98     |
| 28) Bromochloromethane       | 7.794 | 49  | 539576  | 146.779 | ug/l | 99     |
| 29) Tetrahydrofuran          | 7.824 | 42  | 1725889 | 742.994 | ug/l | 100    |
| 30) Chloroform               | 7.947 | 83  | 1127250 | 145.239 | ug/l | 98     |
| 31) Cyclohexane              | 8.241 | 56  | 890974  | 140.551 | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 8.153 | 97  | 950731  | 144.543 | ug/l | 97     |
| 36) 1,1-Dichloropropene      | 8.353 | 75  | 748756  | 139.242 | ug/l | 99     |
| 37) Ethyl Acetate            | 7.547 | 43  | 1064446 | 144.861 | ug/l | 98     |
| 38) Carbon Tetrachloride     | 8.341 | 117 | 789246  | 148.656 | ug/l | 98     |
| 39) Methylcyclohexane        | 9.583 | 83  | 867837  | 146.589 | ug/l | 98     |
| 40) Benzene                  | 8.588 | 78  | 2405823 | 145.868 | ug/l | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087624.D  
 Acq On : 21 Aug 2025 14:44  
 Operator : JC\MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/22/2025  
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:36:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:09:28 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 552329   | 145.108  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 912127   | 143.914  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 1715458  | 149.531  | ug/l   | 98       |
| 44) Trichloroethene           | 9.335  | 130  | 538839   | 143.098  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 600437   | 138.113  | ug/l   | 100      |
| 46) Dibromomethane            | 9.688  | 93   | 454128   | 146.791  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.865  | 83   | 931257   | 146.876  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.665  | 41   | 826047   | 152.226  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.683  | 88   | 204489   | 2907.396 | ug/l # | 99       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 5127143  | 740.736  | ug/l   | 99       |
| 52) Toluene                   | 10.612 | 92   | 1505069  | 147.197  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 1040899  | 158.602  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 1034308  | 151.780  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 578828   | 146.338  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 1058252  | 167.411  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 1028391  | 146.908  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 2825105  | 825.716  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.177 | 43   | 3690702  | 843.686  | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 680951   | 148.578  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 621238   | 148.950  | ug/l   | 98       |
| 64) Tetrachloroethene         | 11.082 | 164  | 421013   | 135.369  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.871 | 112  | 1629434  | 146.105  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 562761   | 151.997  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 2928525  | 151.661  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 2189611  | 309.193  | ug/l   | 99       |
| 69) o-Xylene                  | 12.376 | 106  | 1053696  | 151.829  | ug/l   | 99       |
| 70) Styrene                   | 12.388 | 104  | 1873074  | 161.099  | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 451851   | 159.129  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.671 | 105  | 2726116  | 152.940  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.482 | 43   | 1146975  | 167.250  | ug/l # | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 907151   | 147.822  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 830843m  | 160.233  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 620711   | 147.691  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.012 | 91   | 3351021  | 152.627  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 2010067  | 152.133  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 2284564  | 151.084  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.712 | 75   | 345953   | 177.054  | ug/l   | 84       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 2047130  | 147.365  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.418 | 119  | 1908253  | 151.441  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 2300224  | 151.960  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 2775113  | 148.408  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 2324153  | 150.520  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 1208472  | 146.014  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 1218359  | 141.456  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.035 | 91   | 2273344  | 148.244  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.312 | 117  | 442763   | 150.511  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 1153653  | 146.927  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 218577   | 149.934  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 714001   | 151.432  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 238563   | 141.923  | ug/l   | 99       |
| 95) Naphthalene               | 15.612 | 128  | 2705715  | 162.013  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 709644   | 153.956  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087624.D  
Acq On : 21 Aug 2025 14:44  
Operator : JC\MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:36:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:09:28 2025  
Response via : Initial Calibration

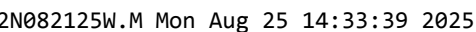
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC150

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087626.D  
 Acq On : 21 Aug 2025 15:47  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN082125

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 08/22/2025  
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:54:13 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 236538     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 462145     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847         | 117  | 426678     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 215492     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.565          | 65   | 211874     | 43.718  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 87.440% |        |          |
| 35) Dibromofluoromethane     | 8.153          | 113  | 144206     | 43.218  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 86.440% |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 538430     | 43.114  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 86.220% |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 197985     | 44.578  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 89.160% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 166005     | 49.414  | ug/l   | 98       |
| 3) Chloromethane             | 2.383          | 50   | 164410     | 47.621  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.536          | 62   | 181981     | 45.461  | ug/l   | 97       |
| 5) Bromomethane              | 2.971          | 94   | 104036     | 50.369  | ug/l   | 90       |
| 6) Chloroethane              | 3.136          | 64   | 119563     | 42.496  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 258055     | 44.000  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.959          | 74   | 106479     | 41.688  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 138202     | 41.645  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.577          | 142  | 101477     | 42.154  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 5.518          | 59   | 188337     | 223.850 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 143630     | 42.117  | ug/l   | 94       |
| 13) Acrolein                 | 4.177          | 56   | 214366     | 207.251 | ug/l   | 99       |
| 14) Allyl chloride           | 5.012          | 41   | 251818     | 40.748  | ug/l   | 98       |
| 15) Acrylonitrile            | 5.712          | 53   | 512416     | 215.953 | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 534765     | 202.699 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.700          | 76   | 403340     | 42.961  | ug/l   | 99       |
| 18) Methyl Acetate           | 5.012          | 43   | 239686     | 43.391  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.783          | 73   | 554938     | 43.377  | ug/l   | 95       |
| 20) Methylene Chloride       | 5.259          | 84   | 171230     | 44.741  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 5.771          | 96   | 155031     | 41.945  | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.659          | 45   | 570242     | 42.758  | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.588          | 43   | 2684129    | 221.221 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 308870     | 42.240  | ug/l   | 97       |
| 25) 2-Butanone               | 7.471          | 43   | 748996     | 215.792 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 266418     | 42.451  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.477          | 96   | 187583     | 42.454  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.794          | 49   | 162438     | 45.951  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 468943     | 209.937 | ug/l   | 99       |
| 30) Chloroform               | 7.947          | 83   | 321565     | 43.085  | ug/l   | 99       |
| 31) Cyclohexane              | 8.241          | 56   | 255575     | 41.926  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 268667     | 42.477  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 213398     | 41.688  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.547          | 43   | 286649     | 40.980  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 220428     | 43.614  | ug/l   | 96       |
| 39) Methylcyclohexane        | 9.582          | 83   | 234965     | 41.693  | ug/l   | 99       |
| 40) Benzene                  | 8.588          | 78   | 677138     | 43.129  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087626.D  
 Acq On : 21 Aug 2025 15:47  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN082125

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/22/2025  
 Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:54:13 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 154175   | 42.550  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 260576   | 43.189  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.671  | 43   | 475910   | 43.578  | ug/l   | 98       |
| 44) Trichloroethene           | 9.329  | 130  | 150412   | 41.962  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 170592   | 41.221  | ug/l   | 97       |
| 46) Dibromomethane            | 9.688  | 93   | 127636   | 43.340  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.871  | 83   | 260671   | 43.189  | ug/l   | 95       |
| 48) Methyl methacrylate       | 9.665  | 41   | 224953   | 43.548  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 62435    | 932.518 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 1463763  | 222.154 | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 421282   | 43.282  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 278049   | 44.506  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 284560   | 43.867  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 165061   | 43.838  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 283473   | 47.109  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 287664   | 43.169  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 842734   | 258.751 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.176 | 43   | 1001252  | 240.442 | ug/l   | 100      |
| 60) Dibromochloromethane      | 11.335 | 129  | 187315   | 42.934  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 173643   | 43.736  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 117611   | 39.730  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.870 | 112  | 449967   | 42.389  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 156161   | 44.313  | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.941 | 91   | 803704   | 43.729  | ug/l   | 100      |
| 68) m/p-Xylenes               | 12.047 | 106  | 605035   | 89.762  | ug/l   | 100      |
| 69) o-Xylene                  | 12.376 | 106  | 289138   | 43.771  | ug/l   | 96       |
| 70) Styrene                   | 12.388 | 104  | 506439   | 45.763  | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 121336   | 44.894  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.670 | 105  | 761746   | 43.745  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.500 | 43   | 294763m  | 44.668  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 264712   | 44.155  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 246217m  | 48.723  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 177807   | 43.307  | ug/l   | 98       |
| 78) n-propylbenzene           | 13.012 | 91   | 946175   | 44.113  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 559855   | 43.374  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 645684   | 43.710  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 85496    | 44.790  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 598781   | 44.123  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.417 | 119  | 547166   | 44.450  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 666050   | 45.041  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 802373   | 43.924  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 658963   | 43.685  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 346038   | 42.798  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 359327   | 42.705  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.035 | 91   | 654734   | 43.704  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.311 | 117  | 119987   | 41.752  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 329254   | 42.924  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 60532    | 42.504  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.364 | 180  | 197383   | 42.852  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 67769    | 41.269  | ug/l   | 99       |
| 95) Naphthalene               | 15.611 | 128  | 706917   | 43.329  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 191126   | 42.444  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087626.D  
Acq On : 21 Aug 2025 15:47  
Operator : JC\MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN082125

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:54:13 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

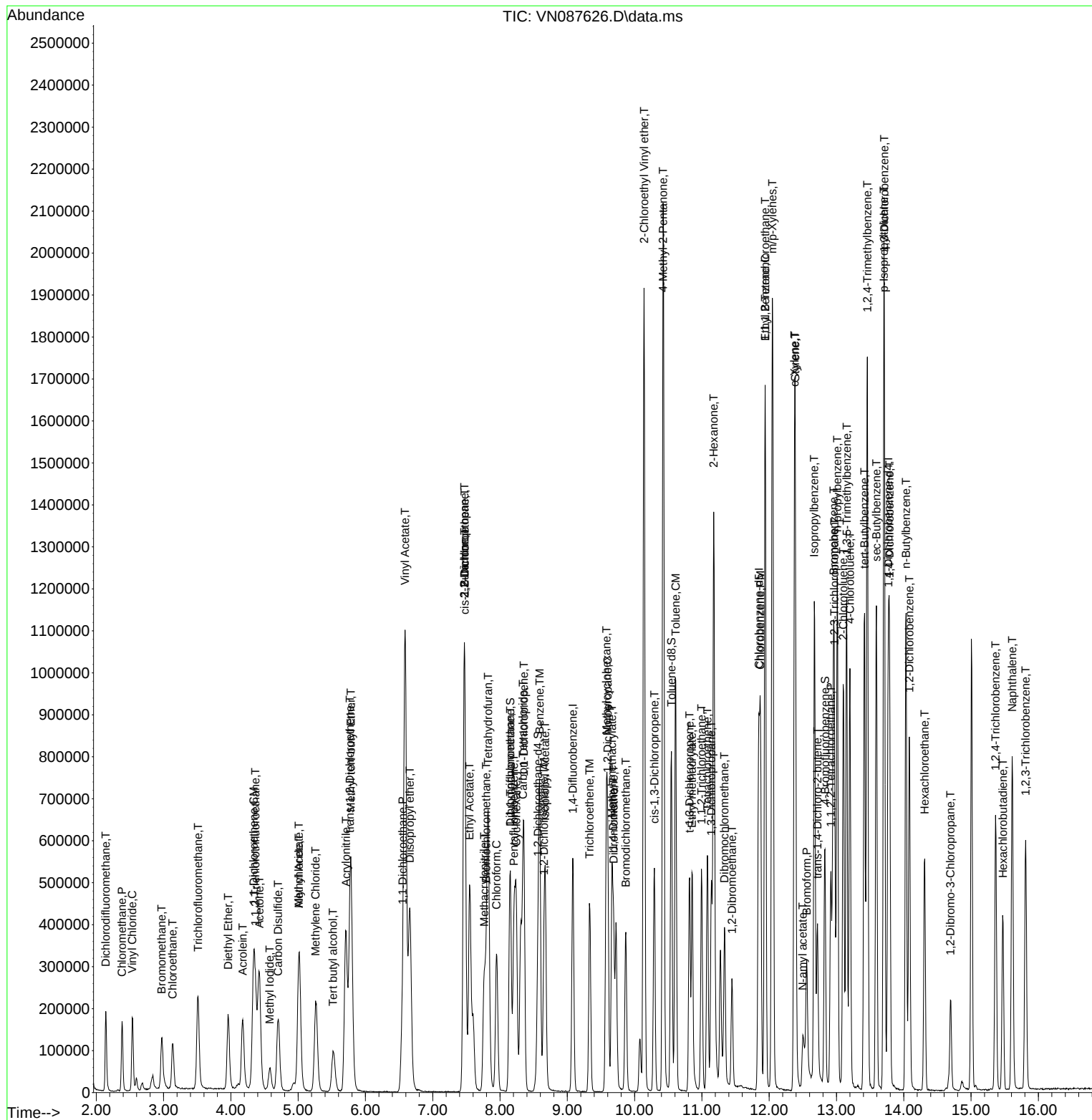
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\  
Data File : VN087626.D  
Acq On    : 21 Aug 2025   15:47  
Operator  : JC\MD  
Sample    : VSTDICV050  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 15   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
ICVVN082125

## Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025  
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:54:13 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087626.D  
 Acq On : 21 Aug 2025 15:47  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN082125

Quant Time: Aug 22 02:59:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:54:13 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.710 | 0.702 | 1.1   | 87    | 0.00     |
| 3 P   | Chloromethane               | 0.730 | 0.695 | 4.8   | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.846 | 0.769 | 9.1#  | 86    | 0.00     |
| 5 T   | Bromomethane                | 0.437 | 0.440 | -0.7  | 99    | 0.00     |
| 6 T   | Chloroethane                | 0.595 | 0.505 | 15.1  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.240 | 1.091 | 12.0  | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 0.540 | 0.450 | 16.7  | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.701 | 0.584 | 16.7  | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 0.450 | 0.429 | 4.7   | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.178 | 0.159 | 10.7  | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.721 | 0.607 | 15.8# | 87    | 0.00     |
| 13 T  | Acrolein                    | 0.219 | 0.181 | 17.4  | 85    | 0.00     |
| 14 T  | Allyl chloride              | 1.306 | 1.065 | 18.5  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 0.502 | 0.433 | 13.7  | 88    | 0.00     |
| 16 T  | Acetone                     | 0.558 | 0.452 | 19.0  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.985 | 1.705 | 14.1  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 1.168 | 1.013 | 13.3  | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.704 | 2.346 | 13.2  | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 0.948 | 0.724 | 23.6  | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.781 | 0.655 | 16.1  | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.819 | 2.411 | 14.5  | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.565 | 2.270 | 11.5  | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.546 | 1.306 | 15.5  | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 0.734 | 0.633 | 13.8  | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.327 | 1.126 | 15.1  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.934 | 0.793 | 15.1  | 85    | 0.01     |
| 28 T  | Bromochloromethane          | 0.747 | 0.687 | 8.0   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.472 | 0.397 | 15.9  | 84    | 0.00     |
| 30 C  | Chloroform                  | 1.578 | 1.359 | 13.9# | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 1.289 | 1.080 | 16.2  | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.337 | 1.136 | 15.0  | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 1.024 | 0.896 | 12.5  | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.361 | 0.312 | 13.6  | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.554 | 0.462 | 16.6  | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.757 | 0.620 | 18.1  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.547 | 0.477 | 12.8  | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.610 | 0.508 | 16.7  | 85    | 0.00     |
| 40 TM | Benzene                     | 1.699 | 1.465 | 13.8  | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.392 | 0.334 | 14.8  | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.653 | 0.564 | 13.6  | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.182 | 1.030 | 12.9  | 85    | 0.00     |
| 44 TM | Trichloroethene             | 0.388 | 0.325 | 16.2  | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.448 | 0.369 | 17.6# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 0.319 | 0.276 | 13.5  | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.653 | 0.564 | 13.6  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.559 | 0.487 | 12.9  | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087626.D  
 Acq On : 21 Aug 2025 15:47  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN082125

Quant Time: Aug 22 02:59:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:54:13 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.007 | 0.0   | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 1.351 | 1.165 | 13.8  | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.713 | 0.633 | 11.2  | 85    | 0.00     |
| 52 CM | Toluene                     | 1.053 | 0.912 | 13.4# | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.676 | 0.602 | 10.9  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.702 | 0.616 | 12.3  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.407 | 0.357 | 12.3  | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.651 | 0.613 | 5.8   | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.721 | 0.622 | 13.7  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.352 | 0.365 | -3.7  | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.451 | 0.433 | 4.0   | 84    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.472 | 0.405 | 14.2  | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.430 | 0.376 | 12.6  | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.481 | 0.428 | 11.0  | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.347 | 0.276 | 20.5  | 86    | 0.00     |
| 65 PM | Chlorobenzene               | 1.244 | 1.055 | 15.2  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.413 | 0.366 | 11.4  | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 2.154 | 1.884 | 12.5# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.790 | 0.709 | 10.3  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 0.774 | 0.678 | 12.4  | 83    | 0.00     |
| 70 T  | Styrene                     | 1.297 | 1.187 | 8.5   | 84    | 0.00     |
| 71 P  | Bromoform                   | 0.317 | 0.284 | 10.4  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.040 | 3.535 | 12.5  | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 1.531 | 1.368 | 10.6  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.391 | 1.228 | 11.7  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.173 | 1.143 | 2.6   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 0.953 | 0.825 | 13.4  | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 4.977 | 4.391 | 11.8  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.995 | 2.598 | 13.3  | 85    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.428 | 2.996 | 12.6  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.443 | 0.397 | 10.4  | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.149 | 2.779 | 11.7  | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.856 | 2.539 | 11.1  | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.431 | 3.091 | 9.9   | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.239 | 3.723 | 12.2  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.500 | 3.058 | 12.6  | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.876 | 1.606 | 14.4  | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.952 | 1.667 | 14.6  | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.476 | 3.038 | 12.6  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 0.667 | 0.557 | 16.5  | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.780 | 1.528 | 14.2  | 85    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.281 | 14.8  | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.069 | 0.916 | 14.3  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.381 | 0.314 | 17.6  | 86    | 0.00     |
| 95 T  | Naphthalene                 | 3.786 | 3.280 | 13.4  | 85    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087626.D  
Acq On : 21 Aug 2025 15:47  
Operator : JC\MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN082125

Quant Time: Aug 22 02:59:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:54:13 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.045 | 0.887 | 15.1 | 86    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087626.D  
 Acq On : 21 Aug 2025 15:47  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN082125

Quant Time: Aug 22 02:59:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:54:13 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 101   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.414  | 1.2   | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.621  | 4.8   | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.461  | 9.1#  | 86    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 50.369  | -0.7  | 99    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.496  | 15.0  | 85    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.000  | 12.0  | 86    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 41.688  | 16.6  | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 41.645  | 16.7  | 85    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 42.154  | 15.7  | 90    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 223.850 | 10.5  | 87    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 42.117  | 15.8# | 87    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 207.251 | 17.1  | 85    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 40.748  | 18.5  | 87    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 215.953 | 13.6  | 88    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 202.699 | 18.9  | 87    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.961  | 14.1  | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 43.391  | 13.2  | 88    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 43.377  | 13.2  | 87    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 44.741  | 10.5  | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 41.945  | 16.1  | 88    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 42.758  | 14.5  | 85    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 221.221 | 11.5  | 85    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 42.240  | 15.5  | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 215.792 | 13.7  | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.451  | 15.1  | 86    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 42.454  | 15.1  | 85    | 0.01     |
| 28 T  | Bromochloromethane          | 50.000  | 45.951  | 8.1   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 209.937 | 16.0  | 84    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 43.085  | 13.8# | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.926  | 16.1  | 88    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 42.477  | 15.0  | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 43.718  | 12.6  | 94    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 99    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 43.218  | 13.6  | 92    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 41.688  | 16.6  | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 40.980  | 18.0  | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 43.614  | 12.8  | 87    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 41.693  | 16.6  | 85    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 43.129  | 13.7  | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 42.550  | 14.9  | 85    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 43.189  | 13.6  | 86    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 43.578  | 12.8  | 85    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 41.962  | 16.1  | 85    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 41.221  | 17.6# | 84    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 43.340  | 13.3  | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 43.189  | 13.6  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 43.548  | 12.9  | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
 Data File : VN087626.D  
 Acq On : 21 Aug 2025 15:47  
 Operator : JC\MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN082125

Quant Time: Aug 22 02:59:20 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:54:13 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 932.518 | 6.7   | 86    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 43.114  | 13.8  | 94    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 222.154 | 11.1  | 85    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 43.282  | 13.4# | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 44.506  | 11.0  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 43.867  | 12.3  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 43.838  | 12.3  | 86    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 47.109  | 5.8   | 86    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 43.169  | 13.7  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 258.751 | -3.5  | 102   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.442 | 3.8   | 84    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 42.934  | 14.1  | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 43.736  | 12.5  | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 44.578  | 10.8  | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 97    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 39.730  | 20.5  | 86    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 42.389  | 15.2  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 44.313  | 11.4  | 85    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 43.729  | 12.5# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 89.762  | 10.2  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 43.771  | 12.5  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 45.763  | 8.5   | 84    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.894  | 10.2  | 86    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 98    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 43.745  | 12.5  | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 44.668  | 10.7  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 44.155  | 11.7  | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.723  | 2.6   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 43.307  | 13.4  | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 44.113  | 11.8  | 85    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 43.374  | 13.3  | 85    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 43.710  | 12.6  | 84    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.790  | 10.4  | 86    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 44.123  | 11.8  | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 44.450  | 11.1  | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 45.041  | 9.9   | 86    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 43.924  | 12.2  | 86    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 43.685  | 12.6  | 85    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 42.798  | 14.4  | 86    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 42.705  | 14.6  | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 43.704  | 12.6  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 41.752  | 16.5  | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 42.924  | 14.2  | 85    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.504  | 15.0  | 86    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 42.852  | 14.3  | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.269  | 17.5  | 86    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 43.329  | 13.3  | 85    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087626.D  
Acq On : 21 Aug 2025 15:47  
Operator : JC\MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
ICVVN082125

Quant Time: Aug 22 02:59:20 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:54:13 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 42.444 | 15.1 | 86    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>CHEM02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3087</u>                 |
| Instrument ID:      | <u>MSVOA_N</u>    | Calibration Date/Time: | <u>09/16/2025 13:55</u>      |
| Lab File ID:        | <u>VN087847.D</u> | Init. Calib. Date(s):  | <u>08/21/2025 08/21/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>12:09 14:44</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.710 | 0.736  |         | 3.66   | 20    |
| Chloromethane                  | 0.730 | 0.729  | 0.1     | -0.14  | 20    |
| Vinyl Chloride                 | 0.846 | 0.823  |         | -2.72  | 20    |
| Ethyl Acetate                  | 0.757 | 0.798  |         | 5.42   | 20    |
| Bromomethane                   | 0.437 | 0.498  |         | 13.96  | 20    |
| Chloroethane                   | 0.595 | 0.553  |         | -7.06  | 20    |
| Trichlorofluoromethane         | 1.240 | 1.264  |         | 1.93   | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.701 | 0.697  |         | -0.57  | 20    |
| Tert butyl alcohol             | 0.178 | 0.175  |         | -1.68  | 20    |
| 1,1-Dichloroethene             | 0.721 | 0.682  |         | -5.41  | 20    |
| Acrolein                       | 0.219 | 0.268  |         | 22.37  | 20    |
| Acrylonitrile                  | 0.502 | 0.506  |         | 0.8    | 20    |
| Acetone                        | 0.558 | 0.489  |         | -12.37 | 20    |
| Carbon Disulfide               | 1.985 | 1.984  |         | -0.05  | 20    |
| Methyl tert-butyl Ether        | 2.704 | 2.774  |         | 2.59   | 20    |
| Methyl Acetate                 | 1.168 | 1.247  |         | 6.76   | 20    |
| Methylene Chloride             | 0.948 | 0.841  |         | -11.29 | 20    |
| trans-1,2-Dichloroethene       | 0.781 | 0.753  |         | -3.59  | 20    |
| Vinyl Acetate                  | 2.565 | 2.543  |         | -0.86  | 20    |
| 1,1-Dichloroethane             | 1.546 | 1.477  | 0.1     | -4.46  | 20    |
| Cyclohexane                    | 1.289 | 1.230  |         | -4.58  | 20    |
| 2-Butanone                     | 0.734 | 0.712  |         | -3     | 20    |
| Carbon Tetrachloride           | 0.547 | 0.611  |         | 11.7   | 20    |
| 2,2-Dichloropropane            | 1.327 | 1.285  |         | -3.16  | 20    |
| cis-1,2-Dichloroethene         | 0.934 | 0.931  |         | -0.32  | 20    |
| Bromochloromethane             | 0.747 | 1.029  |         | 37.75  | 20    |
| Chloroform                     | 1.578 | 1.590  |         | 0.76   | 20    |
| 1,1,1-Trichloroethane          | 1.337 | 1.305  |         | -2.39  | 20    |
| Methylcyclohexane              | 0.610 | 0.672  |         | 10.16  | 20    |
| 1,1-Dichloropropene            | 0.554 | 0.565  |         | 1.99   | 20    |
| Benzene                        | 1.699 | 1.798  |         | 5.83   | 20    |
| 1,2-Dichloroethane             | 0.653 | 0.690  |         | 5.67   | 20    |
| Trichloroethene                | 0.388 | 0.426  |         | 9.79   | 20    |
| 1,2-Dichloropropane            | 0.448 | 0.470  |         | 4.91   | 20    |
| Dibromomethane                 | 0.319 | 0.358  |         | 12.23  | 20    |
| Bromodichloromethane           | 0.653 | 0.728  |         | 11.48  | 20    |
| 4-Methyl-2-Pentanone           | 0.713 | 0.781  |         | 9.54   | 20    |
| Toluene                        | 1.053 | 1.143  |         | 8.55   | 20    |

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



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>CHEM02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3087</u>                 |
| Instrument ID:      | <u>MSVOA_N</u>    | Calibration Date/Time: | <u>09/16/2025 13:55</u>      |
| Lab File ID:        | <u>VN087847.D</u> | Init. Calib. Date(s):  | <u>08/21/2025 08/21/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>12:09 14:44</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND                    | RRF   | RRF050 | MIN RRF | %D    | MAX%D |
|-----------------------------|-------|--------|---------|-------|-------|
| t-1,3-Dichloropropene       | 0.676 | 0.768  |         | 13.61 | 20    |
| cis-1,3-Dichloropropene     | 0.702 | 0.788  |         | 12.25 | 20    |
| 1,1,2-Trichloroethane       | 0.407 | 0.467  |         | 14.74 | 20    |
| 1,3-Dichloropropane         | 0.721 | 0.797  |         | 10.54 | 20    |
| 2-Chloroethyl Vinyl ether   | 0.352 | 0.361  |         | 2.56  | 20    |
| 2-Hexanone                  | 0.451 | 0.533  |         | 18.18 | 20    |
| Dibromochloromethane        | 0.472 | 0.542  |         | 14.83 | 20    |
| 1,2-Dibromoethane           | 0.430 | 0.497  |         | 15.58 | 20    |
| Tetrachloroethene           | 0.347 | 0.372  |         | 7.2   | 20    |
| Chlorobenzene               | 1.244 | 1.326  | 0.3     | 6.59  | 20    |
| 1,1,1,2-Tetrachloroethane   | 0.413 | 0.486  |         | 17.68 | 20    |
| Hexachloroethane            | 0.667 | 0.732  |         | 9.74  | 20    |
| Ethyl Benzene               | 2.154 | 2.347  |         | 8.96  | 20    |
| m/p-Xylenes                 | 0.790 | 0.894  |         | 13.16 | 20    |
| o-Xylene                    | 0.774 | 0.861  |         | 11.24 | 20    |
| Styrene                     | 1.297 | 1.504  |         | 15.96 | 20    |
| Bromoform                   | 0.317 | 0.404  | 0.1     | 27.44 | 20    |
| Isopropylbenzene            | 4.040 | 4.015  |         | -0.62 | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.391 | 1.401  | 0.3     | 0.72  | 20    |
| 1,2,3-Trichloropropane      | 1.173 | 1.131  |         | -3.58 | 20    |
| Bromobenzene                | 0.953 | 1.011  |         | 6.09  | 20    |
| n-propylbenzene             | 4.977 | 5.031  |         | 1.09  | 20    |
| 2-Chlorotoluene             | 2.995 | 2.969  |         | -0.87 | 20    |
| 1,3,5-Trimethylbenzene      | 3.428 | 3.499  |         | 2.07  | 20    |
| 4-Chlorotoluene             | 3.149 | 3.097  |         | -1.65 | 20    |
| tert-Butylbenzene           | 2.856 | 2.976  |         | 4.2   | 20    |
| 1,2,4-Trimethylbenzene      | 3.431 | 3.570  |         | 4.05  | 20    |
| sec-Butylbenzene            | 4.239 | 4.449  |         | 4.95  | 20    |
| p-Isopropyltoluene          | 3.500 | 3.716  |         | 6.17  | 20    |
| 1,3-Dichlorobenzene         | 1.876 | 1.967  |         | 4.85  | 20    |
| 1,4-Dichlorobenzene         | 1.952 | 2.018  |         | 3.38  | 20    |
| n-Butylbenzene              | 3.476 | 3.684  |         | 5.98  | 20    |
| 1,2-Dichlorobenzene         | 1.780 | 1.885  |         | 5.9   | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.330 | 0.328  |         | -0.61 | 20    |
| 1,2,4-Trichlorobenzene      | 1.069 | 1.207  |         | 12.91 | 20    |
| Hexachlorobutadiene         | 0.381 | 0.458  |         | 20.21 | 20    |
| Naphthalene                 | 3.786 | 4.078  |         | 7.71  | 20    |
| 1,2,3-Trichlorobenzene      | 1.045 | 1.157  |         | 10.72 | 20    |

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



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

## VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                              |
|---------------------|-------------------|------------------------|------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>CHEM02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3087</u>                 |
| Instrument ID:      | <u>MSVOA_N</u>    | Calibration Date/Time: | <u>09/16/2025 13:55</u>      |
| Lab File ID:        | <u>VN087847.D</u> | Init. Calib. Date(s):  | <u>08/21/2025 08/21/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>12:09 14:44</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND              | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------|-------|--------|------------|-------|-------|
| 1,2-Dichloroethane-d4 | 1.024 | 1.103  |            | 7.72  | 20    |
| Dibromofluoromethane  | 0.361 | 0.457  |            | 26.59 | 20    |
| Toluene-d8            | 1.351 | 1.598  |            | 18.28 | 20    |
| 4-Bromofluorobenzene  | 0.481 | 0.616  |            | 28.07 | 20    |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087847.D  
 Acq On : 16 Sep 2025 13:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:19:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                        |        |       |          |          |             |          |
| Internal Standards           |        |       |          |          |             |          |
| 1) Pentafluorobenzene        | 8.206  | 168   | 239136   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083  | 114   | 433645   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5         | 11.847 | 117   | 409197   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770 | 152   | 226483   | 50.000   | ug/l        | 0.00     |
|                              |        |       |          |          |             |          |
| System Monitoring Compounds  |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4    | 8.559  | 65    | 263710   | 53.823   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 107.640%  |          |
| 35) Dibromofluoromethane     | 8.147  | 113   | 198358   | 63.355   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 126.700%# |          |
| 50) Toluene-d8               | 10.547 | 98    | 693078   | 59.144   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 118.280%# |          |
| 62) 4-Bromofluorobenzene     | 12.829 | 95    | 266909   | 64.046   | ug/l        | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 128.100%# |          |
|                              |        |       |          |          |             |          |
| Target Compounds             |        |       |          |          |             | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 176013   | 51.823   | ug/l        | 99       |
| 3) Chloromethane             | 2.383  | 50    | 174247   | 49.922   | ug/l        | 95       |
| 4) Vinyl Chloride            | 2.536  | 62    | 196704   | 48.605   | ug/l        | 99       |
| 5) Bromomethane              | 2.954  | 94    | 119010   | 56.992   | ug/l        | 93       |
| 6) Chloroethane              | 3.130  | 64    | 132207   | 46.480   | ug/l        | 93       |
| 7) Trichlorofluoromethane    | 3.501  | 101   | 302201   | 50.968   | ug/l        | 98       |
| 8) Diethyl Ether             | 3.953  | 74    | 121893   | 47.204   | ug/l        | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359  | 101   | 166711   | 49.690   | ug/l        | 97       |
| 10) Methyl Iodide            | 4.577  | 142   | 125052   | 49.892   | ug/l        | 91       |
| 11) Tert butyl alcohol       | 5.530  | 59    | 208783   | 245.456  | ug/l        | 99       |
| 12) 1,1-Dichloroethene       | 4.330  | 96    | 163096   | 47.305   | ug/l        | 94       |
| 13) Acrolein                 | 4.177  | 56    | 320278   | 306.284  | ug/l        | 98       |
| 14) Allyl chloride           | 5.012  | 41    | 314832   | 50.391   | ug/l        | 90       |
| 15) Acrylonitrile            | 5.706  | 53    | 605404   | 252.369  | ug/l        | 98       |
| 16) Acetone                  | 4.424  | 43    | 584245   | 219.048  | ug/l        | 98       |
| 17) Carbon Disulfide         | 4.695  | 76    | 474332   | 49.974   | ug/l        | 98       |
| 18) Methyl Acetate           | 5.012  | 43    | 298186   | 53.395   | ug/l        | 97       |
| 19) Methyl tert-butyl Ether  | 5.789  | 73    | 663246   | 51.280   | ug/l        | 99       |
| 20) Methylene Chloride       | 5.259  | 84    | 201058   | 52.170   | ug/l        | 98       |
| 21) trans-1,2-Dichloroethene | 5.771  | 96    | 180140   | 48.209   | ug/l        | 98       |
| 22) Diisopropyl ether        | 6.659  | 45    | 664049   | 49.251   | ug/l        | 98       |
| 23) Vinyl Acetate            | 6.589  | 43    | 3041175  | 247.925  | ug/l        | 98       |
| 24) 1,1-Dichloroethane       | 6.547  | 63    | 353124   | 47.768   | ug/l        | 99       |
| 25) 2-Butanone               | 7.471  | 43    | 851474   | 242.652  | ug/l        | 100      |
| 26) 2,2-Dichloropropane      | 7.471  | 77    | 307392   | 48.448   | ug/l        | 100      |
| 27) cis-1,2-Dichloroethene   | 7.471  | 96    | 222747   | 49.864   | ug/l        | 98       |
| 28) Bromochloromethane       | 7.794  | 49    | 245962   | 68.823   | ug/l        | 94       |
| 29) Tetrahydrofuran          | 7.824  | 42    | 567261   | 251.193  | ug/l        | 100      |
| 30) Chloroform               | 7.947  | 83    | 380295   | 50.401   | ug/l        | 98       |
| 31) Cyclohexane              | 8.236  | 56    | 294041   | 47.712   | ug/l        | 98       |
| 32) 1,1,1-Trichloroethane    | 8.153  | 97    | 312119   | 48.810   | ug/l        | 97       |
| 36) 1,1-Dichloropropene      | 8.347  | 75    | 245212   | 51.052   | ug/l        | 97       |
| 37) Ethyl Acetate            | 7.541  | 43    | 345834   | 52.691   | ug/l        | 97       |
| 38) Carbon Tetrachloride     | 8.347  | 117   | 265088   | 55.898   | ug/l        | 97       |
| 39) Methylcyclohexane        | 9.583  | 83    | 291228   | 55.073   | ug/l        | 96       |
| 40) Benzene                  | 8.588  | 78    | 779652   | 52.922   | ug/l        | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087847.D  
 Acq On : 16 Sep 2025 13:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:19:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.759  | 41   | 178403   | 52.473   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 299001   | 52.815   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.677  | 43   | 547228   | 53.402   | ug/l   | 98       |
| 44) Trichloroethene           | 9.335  | 130  | 184521   | 54.860   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.600  | 63   | 203980   | 52.528   | ug/l   | 100      |
| 46) Dibromomethane            | 9.688  | 93   | 155428   | 56.246   | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.871  | 83   | 315780   | 55.758   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.665  | 41   | 258081   | 53.245   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.688  | 88   | 73308    | 1166.875 | ug/l # | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 1693751  | 273.953  | ug/l   | 98       |
| 52) Toluene                   | 10.612 | 92   | 495572   | 54.261   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 332853   | 56.779   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 341604   | 56.121   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 202706   | 57.374   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 327855   | 58.065   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 345485   | 55.253   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 782005   | 255.885  | ug/l   | 97       |
| 59) 2-Hexanone                | 11.177 | 43   | 1154791  | 295.539  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.341 | 129  | 235020   | 57.409   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 215454   | 57.833   | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.082 | 164  | 152293   | 53.644   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.871 | 112  | 542528   | 53.293   | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 198995   | 58.880   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 960475   | 54.491   | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.047 | 106  | 731633   | 113.180  | ug/l   | 95       |
| 69) o-Xylene                  | 12.376 | 106  | 352248   | 55.603   | ug/l   | 98       |
| 70) Styrene                   | 12.388 | 104  | 615294   | 57.974   | ug/l   | 99       |
| 71) Bromoform                 | 12.559 | 173  | 165142   | 63.713   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.676 | 105  | 909235   | 49.681   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.506 | 43   | 298290m  | 43.009   | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 317356   | 50.367   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 256155m  | 48.230   | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 228891   | 53.044   | ug/l   | 93       |
| 78) n-propylbenzene           | 13.012 | 91   | 1139368  | 50.543   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 672391   | 49.565   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 792404   | 51.039   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 107938   | 53.803   | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 701460   | 49.180   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.418 | 119  | 674001   | 52.096   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 808453   | 52.018   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 1007598  | 52.481   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 841554   | 53.083   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 445525   | 52.429   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 456948   | 51.672   | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 834441   | 52.997   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.312 | 117  | 165831   | 54.904   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 426983   | 52.963   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 74222    | 49.587   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 273253   | 56.445   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.476 | 225  | 103689   | 60.079   | ug/l   | 100      |
| 95) Naphthalene               | 15.612 | 128  | 923574   | 53.862   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 262091   | 55.379   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087847.D  
Acq On : 16 Sep 2025 13:55  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/17/2025  
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:19:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

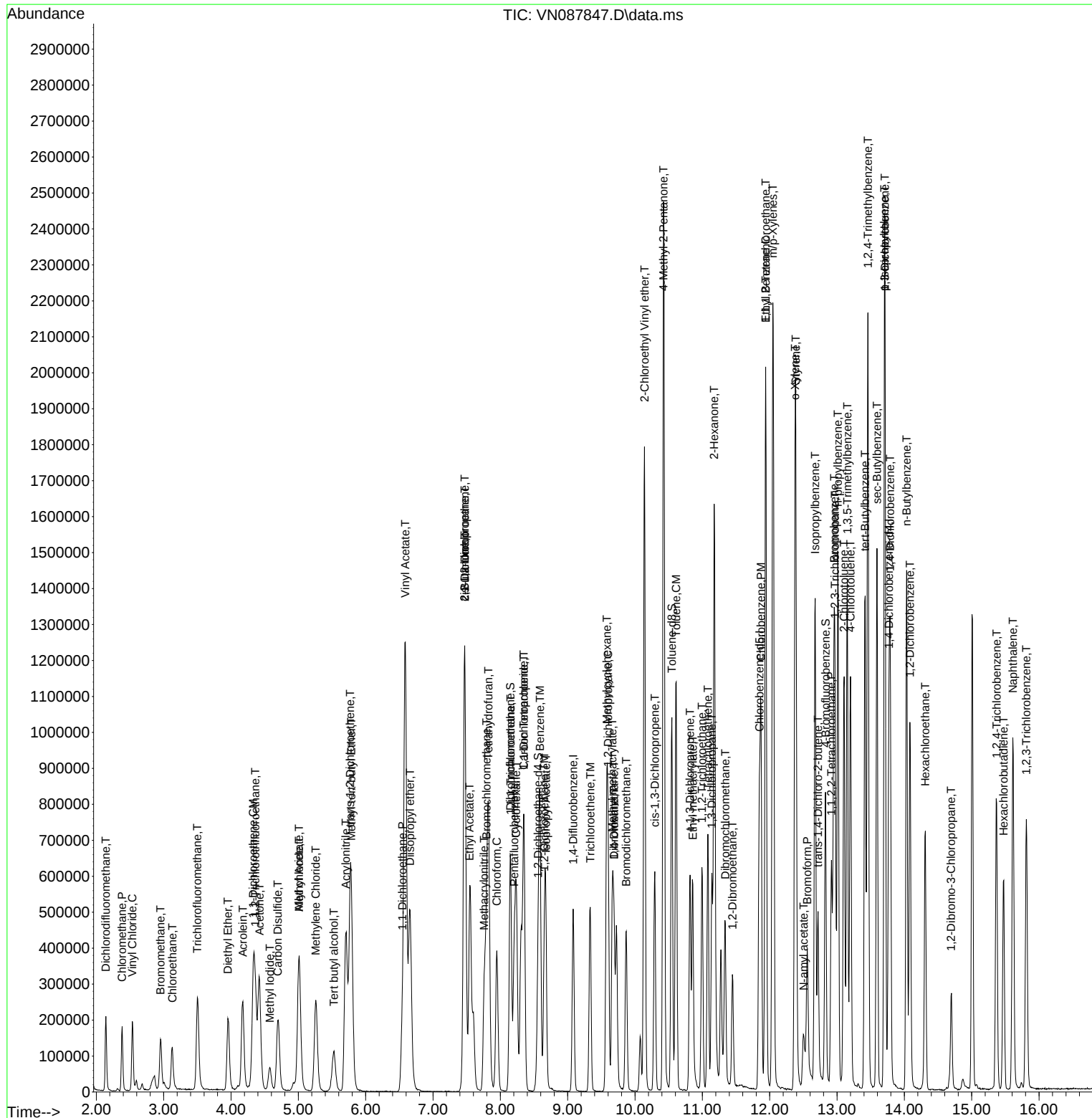
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations

Reviewed By :John Carlone 09/17/2025  
Supervised By :Mahesh Dadoda 09/18/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087847.D  
 Acq On : 16 Sep 2025 13:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 17 01:19:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.710 | 0.736 | -3.7   | 93    | 0.00     |
| 3 P   | Chloromethane               | 0.730 | 0.729 | 0.1    | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.846 | 0.823 | 2.7#   | 93    | 0.00     |
| 5 T   | Bromomethane                | 0.437 | 0.498 | -14.0  | 113   | -0.02    |
| 6 T   | Chloroethane                | 0.595 | 0.553 | 7.1    | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.240 | 1.264 | -1.9   | 101   | -0.01    |
| 8 T   | Diethyl Ether               | 0.540 | 0.510 | 5.6    | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.701 | 0.697 | 0.6    | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 0.450 | 0.523 | -16.2  | 111   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.178 | 0.175 | 1.7    | 97    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.721 | 0.682 | 5.4#   | 99    | 0.00     |
| 13 T  | Acrolein                    | 0.219 | 0.268 | -22.4  | 127   | 0.00     |
| 14 T  | Allyl chloride              | 1.306 | 1.317 | -0.8   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 0.502 | 0.506 | -0.8   | 104   | 0.00     |
| 16 T  | Acetone                     | 0.558 | 0.489 | 12.4   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.985 | 1.984 | 0.1    | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 1.168 | 1.247 | -6.8   | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.704 | 2.774 | -2.6   | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 0.948 | 0.841 | 11.3   | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.781 | 0.753 | 3.6    | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.819 | 2.777 | 1.5    | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 2.565 | 2.543 | 0.9    | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.546 | 1.477 | 4.5    | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 0.734 | 0.712 | 3.0    | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.327 | 1.285 | 3.2    | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.934 | 0.931 | 0.3    | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 0.747 | 1.029 | -37.8# | 150   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.472 | 0.474 | -0.4   | 102   | 0.00     |
| 30 C  | Chloroform                  | 1.578 | 1.590 | -0.8#  | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 1.289 | 1.230 | 4.6    | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.337 | 1.305 | 2.4    | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 1.024 | 1.103 | -7.7   | 117   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.361 | 0.457 | -26.6# | 127   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.554 | 0.565 | -2.0   | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.757 | 0.798 | -5.4   | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.547 | 0.611 | -11.7  | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.610 | 0.672 | -10.2  | 106   | 0.00     |
| 40 TM | Benzene                     | 1.699 | 1.798 | -5.8   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.392 | 0.411 | -4.8   | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.653 | 0.690 | -5.7   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 1.182 | 1.262 | -6.8   | 98    | 0.00     |
| 44 TM | Trichloroethene             | 0.388 | 0.426 | -9.8   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.448 | 0.470 | -4.9#  | 101   | 0.00     |
| 46 T  | Dibromomethane              | 0.319 | 0.358 | -12.2  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.653 | 0.728 | -11.5  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.559 | 0.595 | -6.4   | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087847.D  
 Acq On : 16 Sep 2025 13:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 17 01:19:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.007 | 0.008 | -14.3  | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.351 | 1.598 | -18.3  | 121   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.713 | 0.781 | -9.5   | 98    | 0.00     |
| 52 CM | Toluene                     | 1.053 | 1.143 | -8.5#  | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.676 | 0.768 | -13.6  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.702 | 0.788 | -12.3  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.407 | 0.467 | -14.7  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.651 | 0.756 | -16.1  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.721 | 0.797 | -10.5  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.352 | 0.361 | -2.6   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.451 | 0.533 | -18.2  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.472 | 0.542 | -14.8  | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.430 | 0.497 | -15.6  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.481 | 0.616 | -28.1# | 127   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.347 | 0.372 | -7.2   | 111   | 0.00     |
| 65 PM | Chlorobenzene               | 1.244 | 1.326 | -6.6   | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.413 | 0.486 | -17.7  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 2.154 | 2.347 | -9.0#  | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.790 | 0.894 | -13.2  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 0.774 | 0.861 | -11.2  | 101   | 0.00     |
| 70 T  | Styrene                     | 1.297 | 1.504 | -16.0  | 102   | 0.00     |
| 71 P  | Bromoform                   | 0.317 | 0.404 | -27.4# | 118   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.040 | 4.015 | 0.6    | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 1.531 | 1.317 | 14.0   | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.391 | 1.401 | -0.7   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.173 | 1.131 | 3.6    | 108   | 0.00     |
| 77 T  | Bromobenzene                | 0.953 | 1.011 | -6.1   | 110   | 0.00     |
| 78 T  | n-propylbenzene             | 4.977 | 5.031 | -1.1   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.995 | 2.969 | 0.9    | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.428 | 3.499 | -2.1   | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.443 | 0.477 | -7.7   | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.149 | 3.097 | 1.7    | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.856 | 2.976 | -4.2   | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.431 | 3.570 | -4.1   | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.239 | 4.449 | -5.0   | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.500 | 3.716 | -6.2   | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.876 | 1.967 | -4.9   | 110   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.952 | 2.018 | -3.4   | 111   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.476 | 3.684 | -6.0   | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 0.667 | 0.732 | -9.7   | 115   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.780 | 1.885 | -5.9   | 110   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.330 | 0.328 | 0.6    | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.069 | 1.207 | -12.9  | 121   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.381 | 0.458 | -20.2  | 132   | 0.00     |
| 95 T  | Naphthalene                 | 3.786 | 4.078 | -7.7   | 111   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087847.D  
Acq On : 16 Sep 2025 13:55  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Sep 17 01:19:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.045 | 1.157 | -10.7 | 118   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087847.D  
 Acq On : 16 Sep 2025 13:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 17 01:19:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 102   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 51.823  | -3.6   | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.922  | 0.2    | 93    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.605  | 2.8#   | 93    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 56.992  | -14.0  | 113   | -0.02    |
| 6 T   | Chloroethane                | 50.000  | 46.480  | 7.0    | 94    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.968  | -1.9   | 101   | -0.01    |
| 8 T   | Diethyl Ether               | 50.000  | 47.204  | 5.6    | 98    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.690  | 0.6    | 102   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 49.892  | 0.2    | 111   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 245.456 | 1.8    | 97    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.305  | 5.4#   | 99    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 306.284 | -22.5  | 127   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.391  | -0.8   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 252.369 | -0.9   | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 219.048 | 12.4   | 95    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.974  | 0.1    | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 53.395  | -6.8   | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 51.280  | -2.6   | 103   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.170  | -4.3   | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 48.209  | 3.6    | 102   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.251  | 1.5    | 99    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 247.925 | 0.8    | 96    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.768  | 4.5    | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 242.652 | 2.9    | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.448  | 3.1    | 99    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.864  | 0.3    | 101   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 68.823  | -37.6# | 150   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 251.193 | -0.5   | 102   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 50.401  | -0.8#  | 103   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.712  | 4.6    | 102   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.810  | 2.4    | 102   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 53.823  | -7.6   | 117   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 63.355  | -26.7# | 127   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 51.052  | -2.1   | 99    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.691  | -5.4   | 100   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.898  | -11.8  | 105   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 55.073  | -10.1  | 106   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 52.922  | -5.8   | 99    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.473  | -4.9   | 98    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.815  | -5.6   | 98    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.402  | -6.8   | 98    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.860  | -9.7   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.528  | -5.1#  | 101   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 56.246  | -12.5  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 55.758  | -11.5  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.245  | -6.5   | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087847.D  
 Acq On : 16 Sep 2025 13:55  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC050

Quant Time: Sep 17 01:19:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.    | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1166.875 | -16.7  | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 59.144   | -18.3  | 121   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 273.953  | -9.6   | 98    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.261   | -8.5#  | 101   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.779   | -13.6  | 101   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 56.121   | -12.2  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.374   | -14.7  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 58.065   | -16.1  | 99    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 55.253   | -10.5  | 101   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 255.885  | -2.4   | 94    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 295.539  | -18.2  | 97    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.409   | -14.8  | 108   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 57.833   | -15.7  | 107   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 64.046   | -28.1# | 127   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0    | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 53.644   | -7.3   | 111   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 53.293   | -6.6   | 102   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 58.880   | -17.8  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 54.491   | -9.0#  | 102   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 113.180  | -13.2  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.603   | -11.2  | 101   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 57.974   | -15.9  | 102   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 63.713   | -27.4# | 118   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0    | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.681   | 0.6    | 102   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 43.009   | 14.0   | 87    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.367   | -0.7   | 105   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 48.230   | 3.5    | 108   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 53.044   | -6.1   | 110   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.543   | -1.1   | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.565   | 0.9    | 102   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.039   | -2.1   | 103   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.803   | -7.6   | 108   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.180   | 1.6    | 101   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.096   | -4.2   | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 52.018   | -4.0   | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 52.481   | -5.0   | 108   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.083   | -6.2   | 108   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.429   | -4.9   | 110   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.672   | -3.3   | 111   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.997   | -6.0   | 109   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 54.904   | -9.8   | 115   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.963   | -5.9   | 110   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.587   | 0.8    | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 56.445   | -12.9  | 121   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 60.079   | -20.2  | 132   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.862   | -7.7   | 111   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087847.D  
Acq On : 16 Sep 2025 13:55  
Operator : JC\MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
LabSampleId :  
VSTDCCC050

Quant Time: Sep 17 01:19:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.379 | -10.8 | 118   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



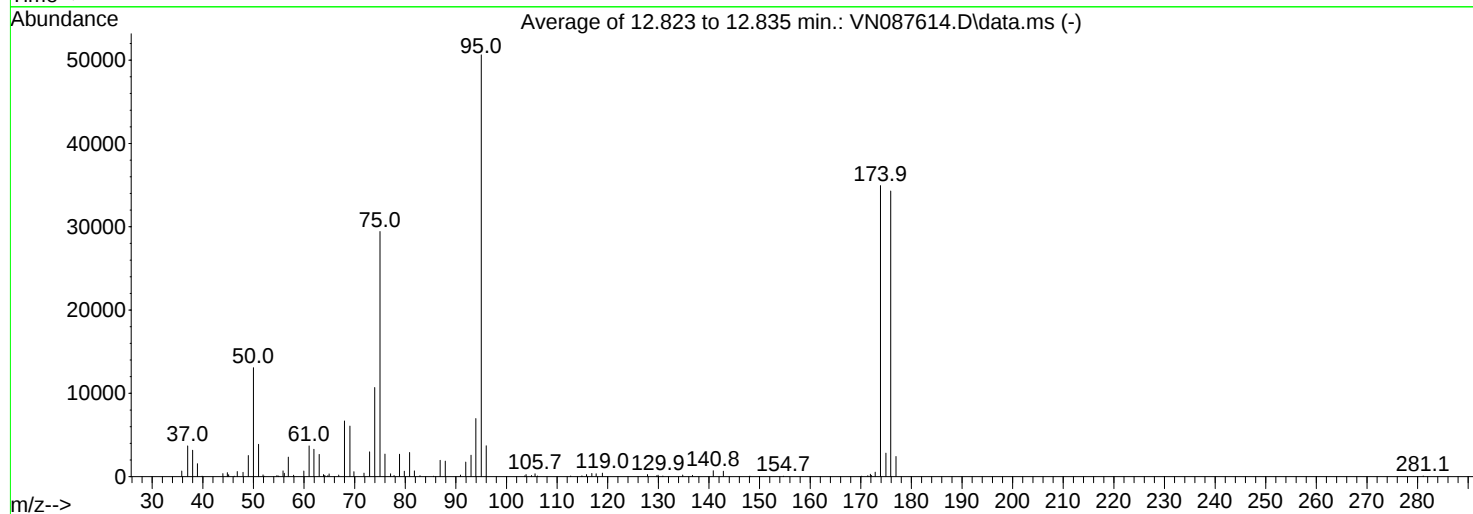
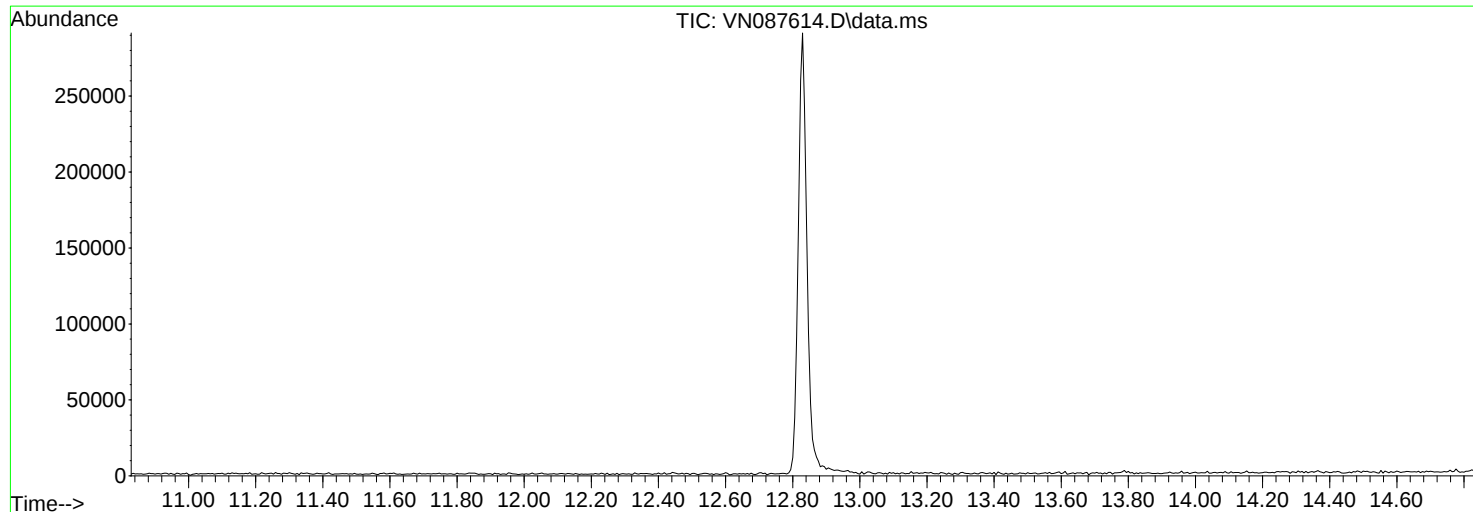
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN082125\  
Data File : VN087614.D  
Acq On : 21 Aug 2025 09:30  
Operator : JC\MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Title : SW846 8260  
Last Update : Fri Aug 22 02:55:42 2025



AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1840

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 25.8         | 13089      | PASS                |
| 75             | 95              | 30              | 60              | 58.1         | 29435      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 50640      | PASS                |
| 96             | 95              | 5               | 9               | 7.3          | 3712       | PASS                |
| 173            | 174             | 0.00            | 2               | 1.6          | 548        | PASS                |
| 174            | 95              | 50              | 100             | 69.0         | 34952      | PASS                |
| 175            | 174             | 5               | 9               | 8.1          | 2829       | PASS                |
| 176            | 174             | 95              | 101             | 98.1         | 34291      | PASS                |
| 177            | 176             | 5               | 9               | 7.1          | 2426       | PASS                |

BFB

Modified:subtracted

| m/z   | abund. | m/z   | abund. | m/z   | abund. | m/z   | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 35.85 | 675    | 49.00 | 2529   | 59.95 | 672    | 69.85 | 591    |
| 37.00 | 3688   | 50.00 | 13089  | 61.00 | 3695   | 71.85 | 411    |
| 38.00 | 3178   | 51.00 | 3882   | 61.95 | 3294   | 72.95 | 297    |
| 38.95 | 1555   | 51.90 | 219    | 63.00 | 2681   | 73.95 | 1069   |
| 39.85 | 60     | 52.10 | 64     | 63.85 | 251    | 75.00 | 29435  |
| 43.95 | 374    | 54.65 | 128    | 64.10 | 153    | 76.00 | 2714   |
| 44.85 | 476    | 55.00 | 70     | 64.70 | 121    | 77.10 | 352    |
| 45.10 | 237    | 55.85 | 685    | 64.95 | 324    | 77.80 | 133    |
| 46.20 | 55     | 56.10 | 397    | 66.85 | 193    | 78.85 | 2691   |
| 46.80 | 616    | 56.90 | 2340   | 68.00 | 6681   | 79.80 | 662    |
| 47.95 | 526    | 57.95 | 176    | 69.05 | 6065   | 80.85 | 2901   |

Average of 12.823 to 12.835 min.: VN087614.D\data.ms

BFB

Modified:subtracted

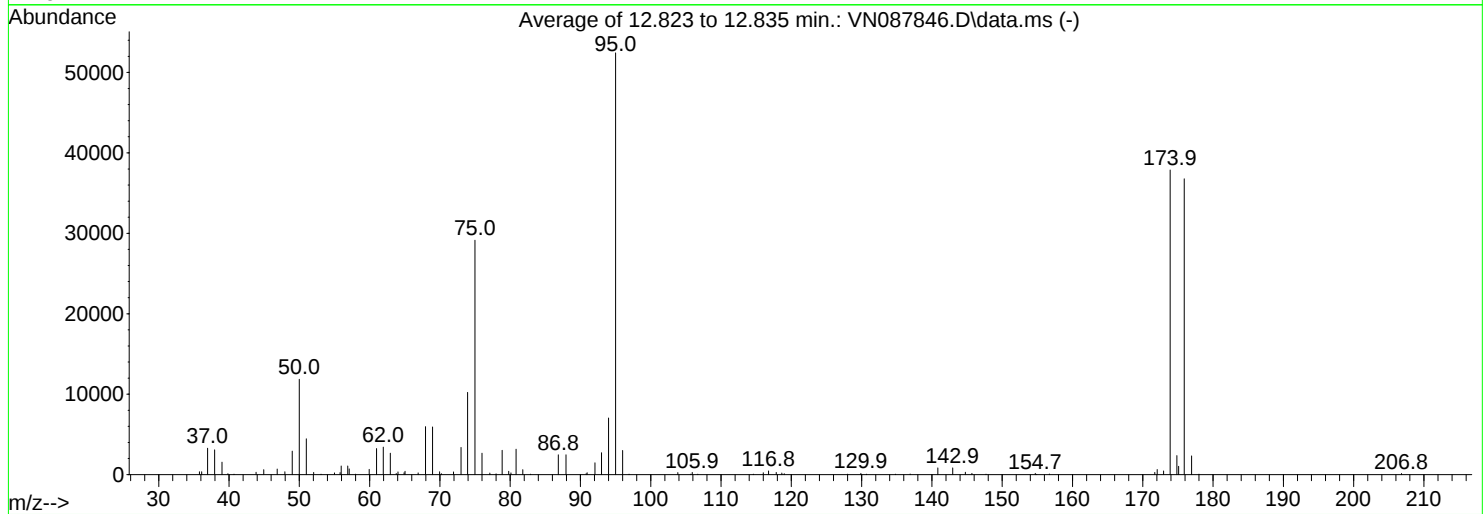
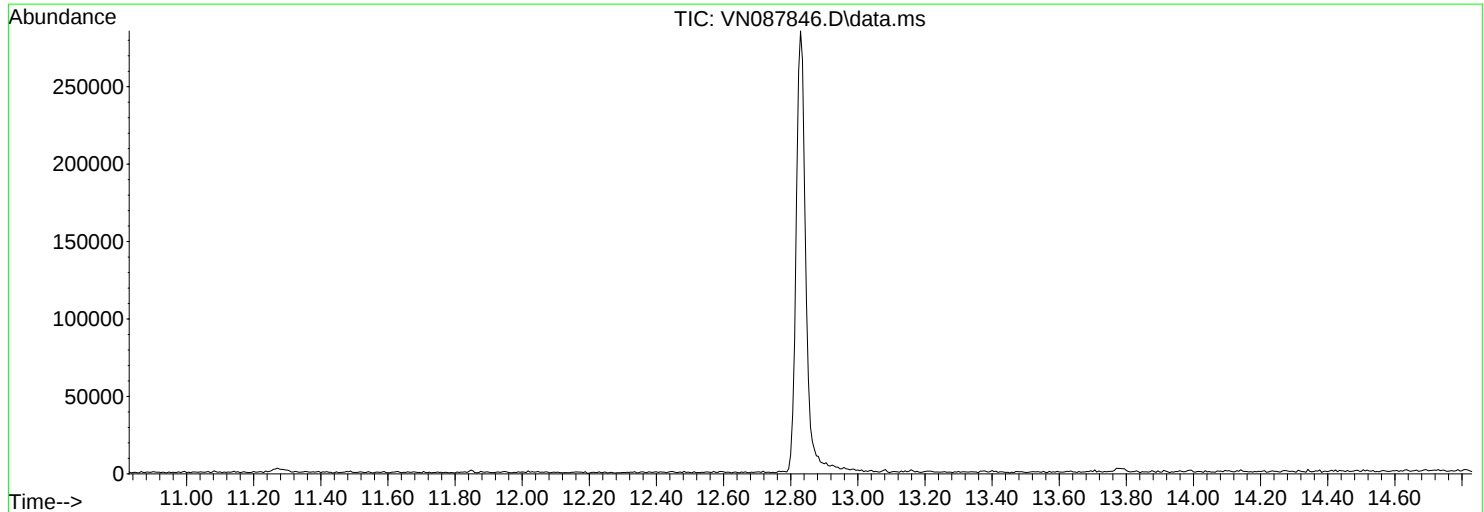
| m/z   | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 81.80 | 684    | 103.60 | 98     | 127.85 | 257    | 171.40 | 114    |
| 82.90 | 109    | 103.85 | 252    | 129.70 | 113    | 171.90 | 297    |
| 85.60 | 55     | 104.95 | 136    | 129.95 | 176    | 172.10 | 131    |
| 86.90 | 1959   | 105.65 | 343    | 130.90 | 79     | 172.85 | 548    |
| 87.90 | 1858   | 106.10 | 71     | 134.80 | 197    | 173.90 | 34952  |
| 90.90 | 194    | 112.70 | 85     | 136.75 | 152    | 174.95 | 2829   |
| 91.95 | 1755   | 114.90 | 88     | 140.85 | 705    | 175.90 | 34291  |
| 93.00 | 2573   | 115.80 | 249    | 142.85 | 649    | 176.95 | 2426   |
| 93.95 | 6967   | 116.85 | 391    | 148.10 | 51     | 281.10 | 79     |
| 95.00 | 50640  | 117.70 | 342    | 154.70 | 64     |        |        |
| 96.00 | 3712   | 118.95 | 421    | 170.20 | 52     |        |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087846.D  
Acq On : 16 Sep 2025 11:25  
Operator : JC\MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Title : SW846 8260  
Last Update : Fri Aug 22 02:55:42 2025



AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1839

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 22.6         | 11850      | PASS                |
| 75             | 95              | 30              | 60              | 55.6         | 29149      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 52435      | PASS                |
| 96             | 95              | 5               | 9               | 5.7          | 2999       | PASS                |
| 173            | 174             | 0.00            | 2               | 1.2          | 466        | PASS                |
| 174            | 95              | 50              | 100             | 72.2         | 37872      | PASS                |
| 175            | 174             | 5               | 9               | 6.2          | 2358       | PASS                |
| 176            | 174             | 95              | 101             | 97.1         | 36771      | PASS                |
| 177            | 176             | 5               | 9               | 6.4          | 2336       | PASS                |

BFB

Modified:subtracted

| m/z   | abund. | m/z   | abund. | m/z   | abund. | m/z   | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 35.80 | 361    | 49.00 | 2930   | 59.95 | 667    | 69.95 | 361    |
| 36.10 | 361    | 50.00 | 11850  | 61.00 | 3247   | 70.20 | 121    |
| 36.95 | 3281   | 51.00 | 4457   | 61.95 | 3431   | 71.95 | 341    |
| 37.95 | 3093   | 52.05 | 288    | 62.95 | 2675   | 73.00 | 338    |
| 39.00 | 1561   | 53.10 | 63     | 63.80 | 144    | 73.95 | 10235  |
| 39.85 | 116    | 55.00 | 226    | 64.05 | 348    | 75.00 | 29149  |
| 40.70 | 59     | 55.80 | 251    | 64.90 | 231    | 76.00 | 2657   |
| 43.85 | 301    | 55.95 | 1085   | 65.05 | 429    | 77.10 | 206    |
| 44.95 | 618    | 56.90 | 1074   | 66.90 | 225    | 78.00 | 109    |
| 46.85 | 705    | 57.10 | 720    | 67.95 | 5973   | 78.85 | 3026   |
| 47.95 | 367    | 58.00 | 68     | 68.95 | 5920   | 79.80 | 422    |

Average of 12.823 to 12.835 min.: VN087846.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 80.10 | 228    | 95.00  | 52435  | 118.65 | 204    | 147.70 | 52     |
| 80.85 | 3158   | 96.00  | 2999   | 119.00 | 126    | 154.70 | 155    |
| 81.80 | 617    | 96.90  | 59     | 128.00 | 56     | 154.90 | 50     |
| 82.90 | 65     | 103.85 | 258    | 129.90 | 169    | 156.70 | 77     |
| 86.85 | 2475   | 105.70 | 66     | 130.70 | 55     | 171.70 | 277    |
| 87.95 | 2474   | 105.90 | 277    | 134.80 | 63     | 172.05 | 640    |
| 90.80 | 113    | 106.70 | 61     | 136.90 | 80     | 172.95 | 466    |
| 90.95 | 239    | 114.60 | 54     | 140.85 | 831    | 173.90 | 37872  |
| 92.05 | 1472   | 116.00 | 233    | 142.95 | 841    | 174.85 | 2358   |
| 93.00 | 2719   | 116.75 | 469    | 144.75 | 295    | 175.10 | 1042   |
| 94.00 | 7032   | 117.85 | 274    | 145.70 | 154    | 175.90 | 36771  |

Average of 12.823 to 12.835 min.: VN087846.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|--------|--------|-----|--------|-----|--------|-----|--------|
| 176.95 | 2336   |     |        |     |        |     |        |
| 178.00 | 53     |     |        |     |        |     |        |
| 206.80 | 138    |     |        |     |        |     |        |

## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBL01               |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBL01               |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087849.D        | 1         | 09/16/25 15:04 | VN091625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.22  | U         | 0.22 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 141-78-6       | Ethyl Acetate                  | 0.31  | U         | 0.31 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.47  | U         | 0.47 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U         | 0.33 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 5.50  | U         | 5.50 | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 107-02-8       | Acrolein                       | 7.10  | U         | 7.10 | 25.0       | ug/L  |
| 107-13-1       | Acrylonitrile                  | 0.83  | U         | 0.83 | 5.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.27  | U         | 0.27 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.28  | U         | 0.28 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 108-05-4       | Vinyl Acetate                  | 0.66  | U         | 0.66 | 5.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 0.98  | U         | 0.98 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane            | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.22  | U         | 0.22 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U         | 0.20 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene            | 0.15  | U         | 0.15 | 1.00       | ug/L  |

### Report of Analysis

|                    |                           |           |                 |                    |
|--------------------|---------------------------|-----------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |           | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |           | Date Received:  |                    |
| Client Sample ID:  | VN0916WBL01               |           | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBL01               |           | Matrix:         | Water              |
| Analytical Method: | 8260D                     |           | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: mL | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           | uL        | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID : 0.25 | Level :         | LOW                |
| Prep Method :      |                           |           |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087849.D        | 1         | 09/16/25 15:04 | VN091625      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|-------|------------|-------|
| 71-43-2     | Benzene                   | 0.15  | U         | 0.15  | 1.00       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 79-01-6     | Trichloroethene           | 0.090 | U         | 0.090 | 1.00       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 0.20  | U         | 0.20  | 1.00       | ug/L  |
| 74-95-3     | Dibromomethane            | 0.25  | U         | 0.25  | 1.00       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 0.22  | U         | 0.22  | 1.00       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 0.68  | U         | 0.68  | 5.00       | ug/L  |
| 108-88-3    | Toluene                   | 0.14  | U         | 0.14  | 1.00       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 0.17  | U         | 0.17  | 1.00       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 0.16  | U         | 0.16  | 1.00       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 0.21  | U         | 0.21  | 1.00       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 0.19  | U         | 0.19  | 1.00       | ug/L  |
| 110-75-8    | 2-Chloroethyl Vinyl ether | 0.30  | U         | 0.30  | 5.00       | ug/L  |
| 591-78-6    | 2-Hexanone                | 0.89  | U         | 0.89  | 5.00       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 0.18  | U         | 0.18  | 1.00       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 0.15  | U         | 0.15  | 1.00       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 0.23  | U         | 0.23  | 1.00       | ug/L  |
| 108-90-7    | Chlorobenzene             | 0.12  | U         | 0.12  | 1.00       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 0.19  | U         | 0.19  | 1.00       | ug/L  |
| 67-72-1     | Hexachloroethane          | 0.32  | U         | 0.32  | 0          | ug/L  |
| 100-41-4    | Ethyl Benzene             | 0.13  | U         | 0.13  | 1.00       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 0.24  | U         | 0.24  | 2.00       | ug/L  |
| 95-47-6     | o-Xylene                  | 0.12  | U         | 0.12  | 1.00       | ug/L  |
| 100-42-5    | Styrene                   | 0.15  | U         | 0.15  | 1.00       | ug/L  |
| 75-25-2     | Bromoform                 | 0.19  | U         | 0.19  | 1.00       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 0.12  | U         | 0.12  | 1.00       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 0.26  | U         | 0.26  | 1.00       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 0.35  | U         | 0.35  | 1.00       | ug/L  |
| 108-86-1    | Bromobenzene              | 0.24  | U         | 0.24  | 1.00       | ug/L  |
| 103-65-1    | n-propylbenzene           | 0.13  | U         | 0.13  | 1.00       | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 0.14  | U         | 0.14  | 1.00       | ug/L  |

## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBL01               |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBL01               |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087849.D        | 1         | 09/16/25 15:04 | VN091625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 0.15   | U         | 0.15     | 1.00       | ug/L    |
| 106-43-4                  | 4-Chlorotoluene             | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 98-06-6                   | tert-Butylbenzene           | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 135-98-8                  | sec-Butylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 99-87-6                   | p-Isopropyltoluene          | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 104-51-8                  | n-Butylbenzene              | 0.15   | U         | 0.15     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53   | U         | 0.53     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20   | U         | 0.20     | 1.00       | ug/L    |
| 87-68-3                   | Hexachlorobutadiene         | 0.30   | U         | 0.30     | 1.00       | ug/L    |
| 91-20-3                   | Naphthalene                 | 0.20   | U         | 0.20     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20   | U         | 0.20     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 49.1   |           | 74 - 125 | 98%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 50.7   |           | 75 - 124 | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 47.1   |           | 86 - 113 | 94%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 45.7   |           | 77 - 121 | 91%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 184000 | 8.206     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 414000 | 9.082     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 397000 | 11.847    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 180000 | 13.77     |          |            |         |

## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | Chemtech Consulting Group                 | Date Collected: |                              |
| Project:           | Weekly Storage Blanks                     | Date Received:  |                              |
| Client Sample ID:  | VN0916WBL01                               | SDG No.:        | Q3087                        |
| Lab Sample ID:     | VN0916WBL01                               | Matrix:         | Water                        |
| Analytical Method: | 8260D                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL       | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC- Chemtech Full           |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087849.D        | 1         | 09/16/25 15:04 | VN091625      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087849.D  
 Acq On : 16 Sep 2025 15:04  
 Operator : JC\MD  
 Sample : VN0916WBL01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBL01

Quant Time: Sep 17 01:20:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 8.206  | 168  | 184438   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 9.082  | 114  | 413572   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.847 | 117  | 397360   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152  | 180365   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.565  | 65    | 185379   | 49.056   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 98.120%  |
| 35) Dibromofluoromethane    | 8.153  | 113   | 151424   | 50.712   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.420% |
| 50) Toluene-d8              | 10.547 | 98    | 526852   | 47.141   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 94.280%  |
| 62) 4-Bromofluorobenzene    | 12.829 | 95    | 181702   | 45.717   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 91.440%  |

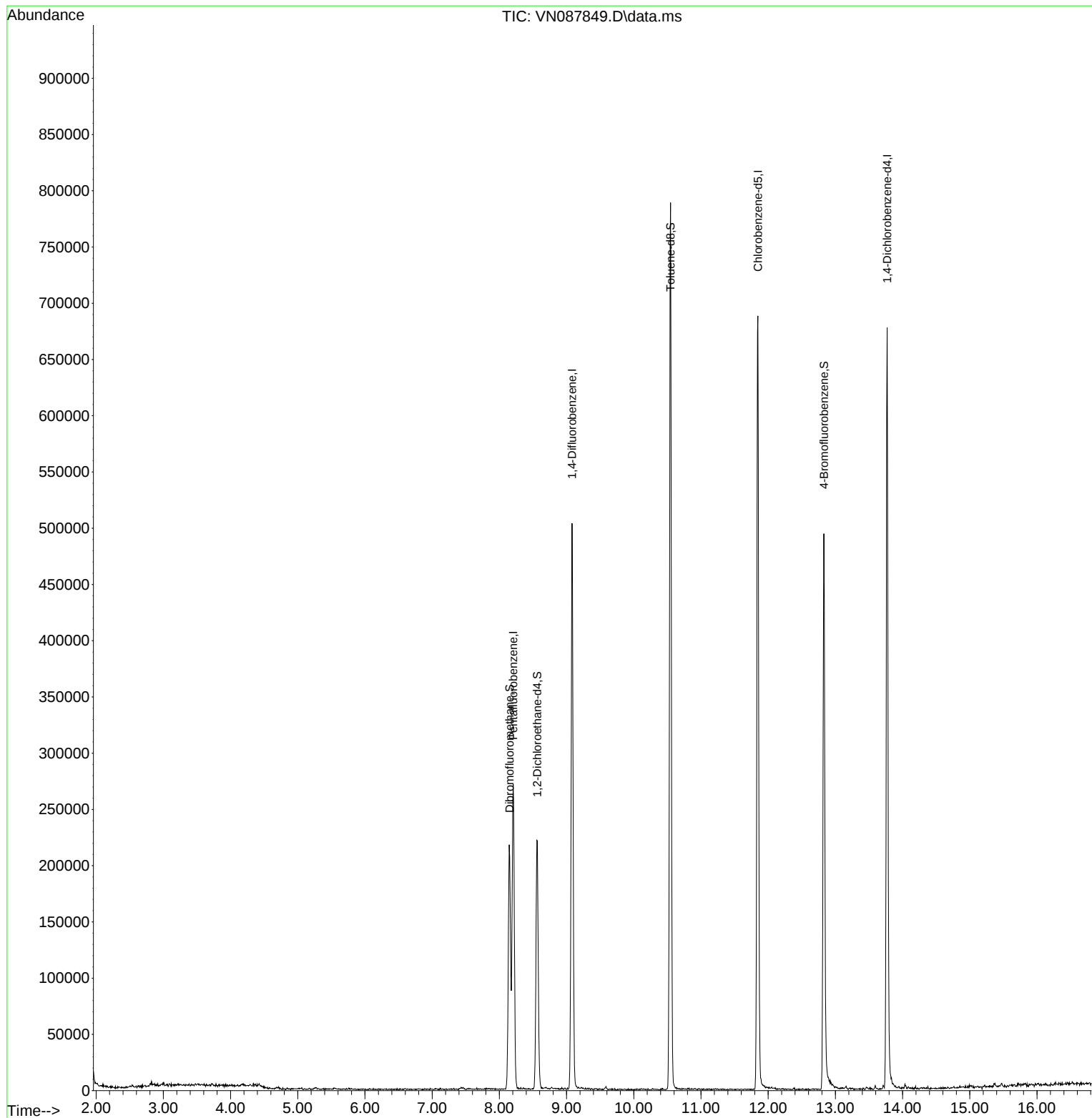
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

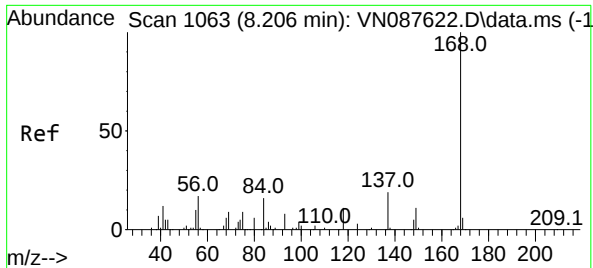
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087849.D  
Acq On : 16 Sep 2025 15:04  
Operator : JC\MD  
Sample : VN0916WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0916WBL01

Quant Time: Sep 17 01:20:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

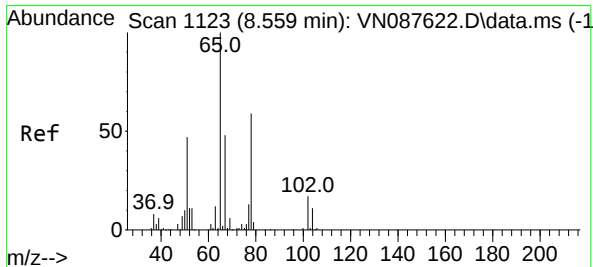
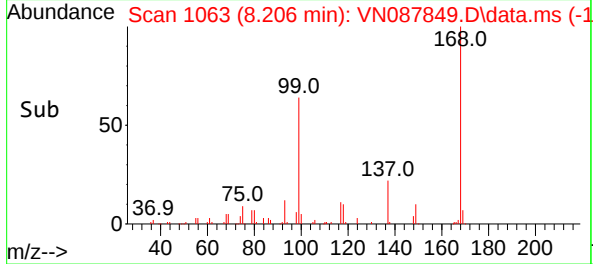
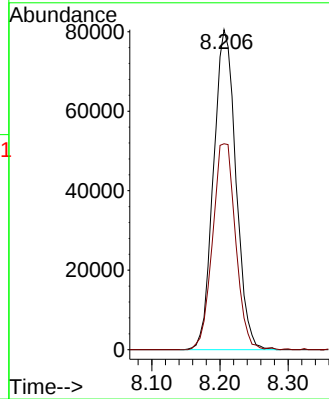
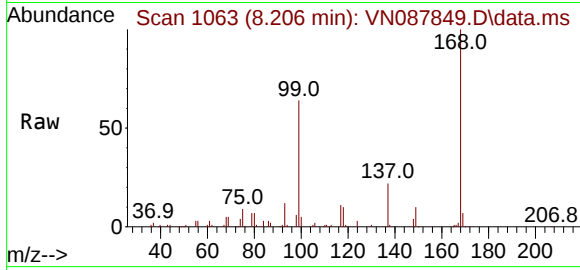




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.206 min Scan# 1063  
Delta R.T. -0.000 min  
Lab File: VN087849.D  
Acq: 16 Sep 2025 15:04

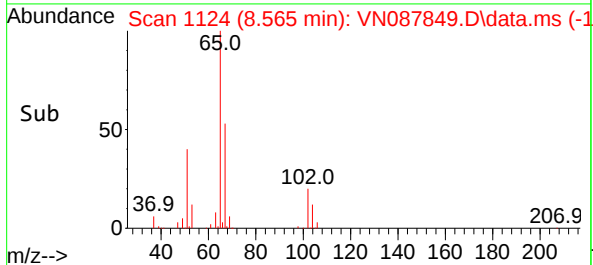
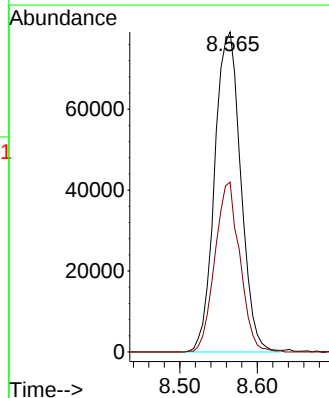
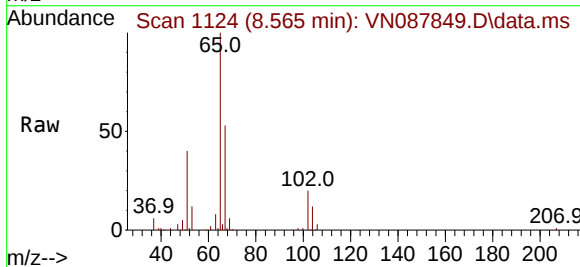
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0916WBL01

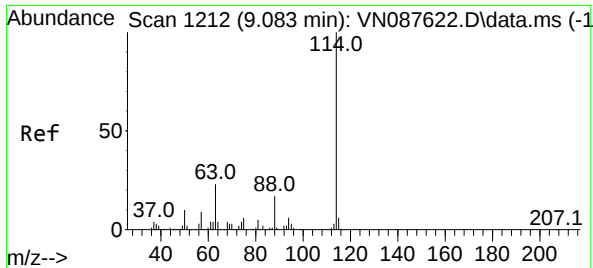
Tgt Ion:168 Resp: 184438  
Ion Ratio Lower Upper  
168 100  
99 64.4 57.2 85.8



#33  
1,2-Dichloroethane-d4  
Concen: 49.056 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087849.D  
Acq: 16 Sep 2025 15:04

Tgt Ion: 65 Resp: 185379  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087849.D

Acq: 16 Sep 2025 15:04

Instrument :

MSVOA\_N

ClientSampleId :

VN0916WBL01

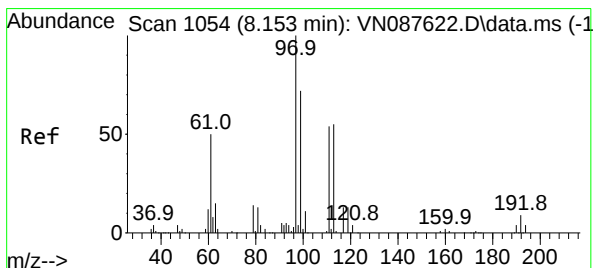
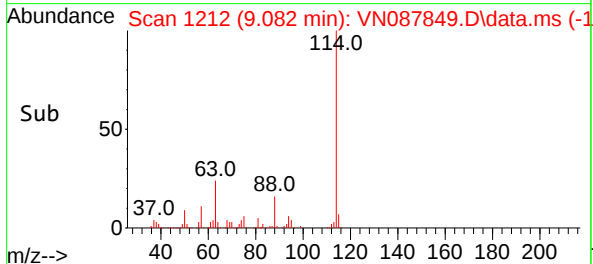
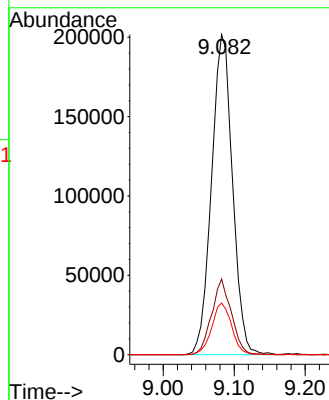
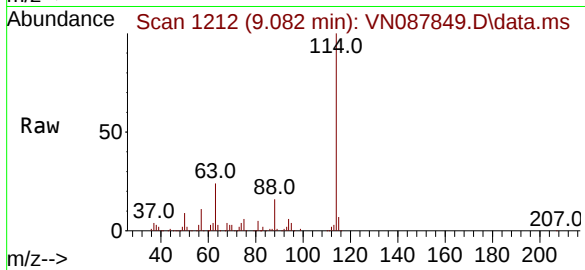
Tgt Ion:114 Resp: 413572

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.1 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.712 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN087849.D

Acq: 16 Sep 2025 15:04

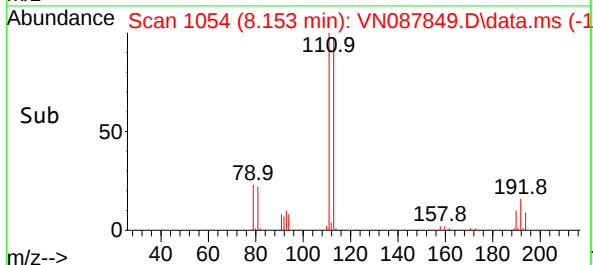
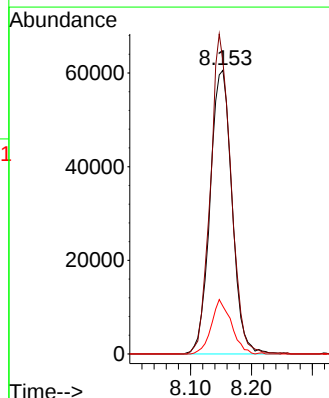
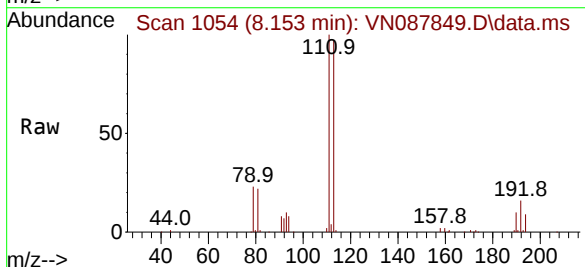
Tgt Ion:113 Resp: 151424

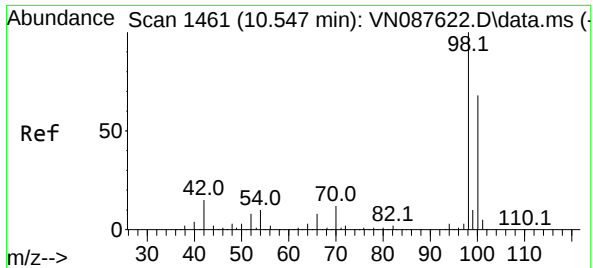
Ion Ratio Lower Upper

113 100

111 105.6 82.8 124.2

192 17.5 12.8 19.2

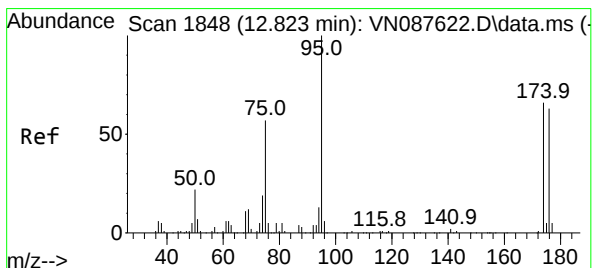
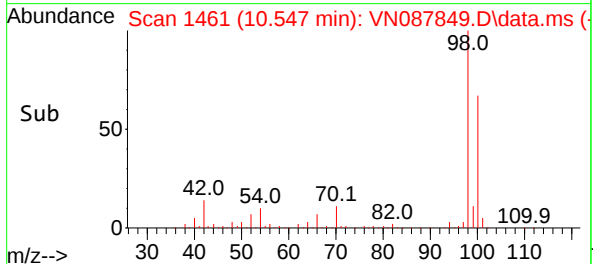
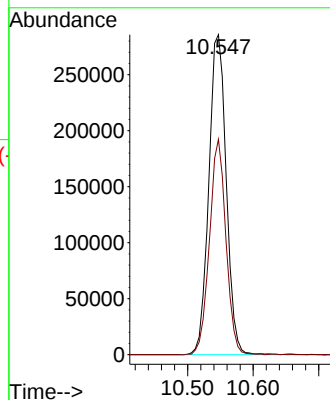
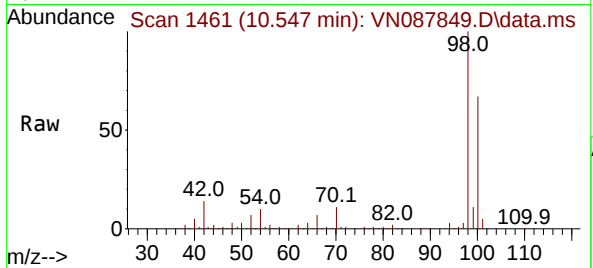




#50  
Toluene-d8  
Concen: 47.141 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087849.D  
Acq: 16 Sep 2025 15:04

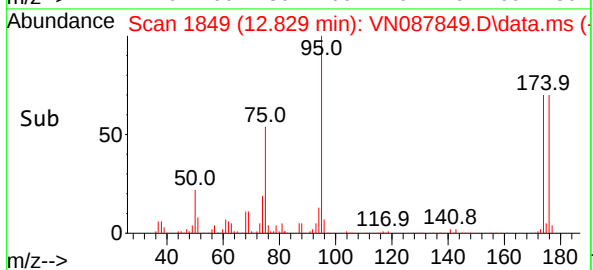
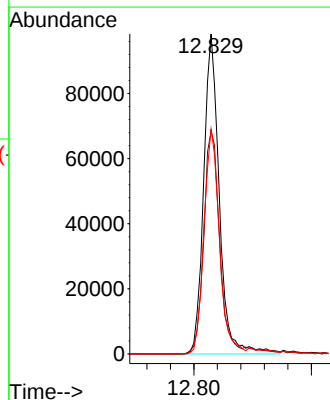
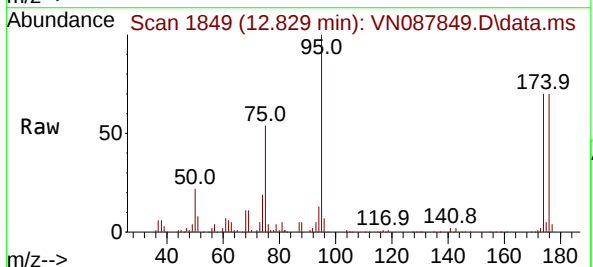
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0916WBL01

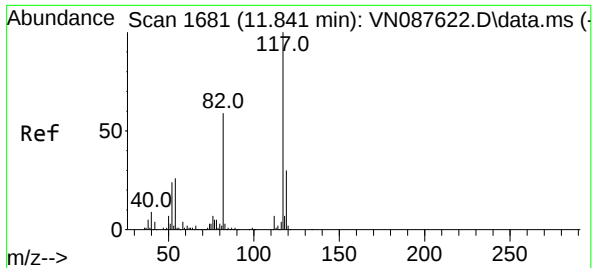
Tgt Ion: 98 Resp: 526852  
Ion Ratio Lower Upper  
98 100  
100 63.8 52.8 79.2



#62  
4-Bromofluorobenzene  
Concen: 45.717 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.006 min  
Lab File: VN087849.D  
Acq: 16 Sep 2025 15:04

Tgt Ion: 95 Resp: 181702  
Ion Ratio Lower Upper  
95 100  
174 70.5 0.0 138.4  
176 69.5 0.0 132.6

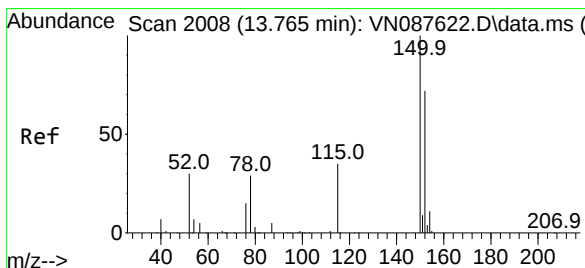
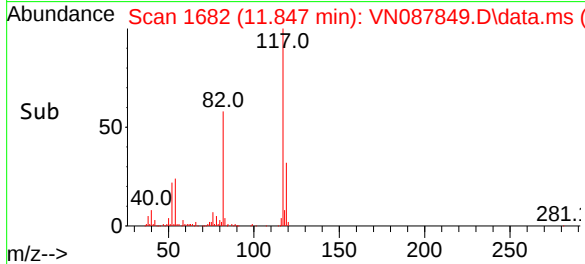
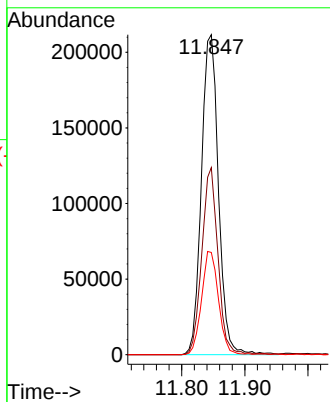
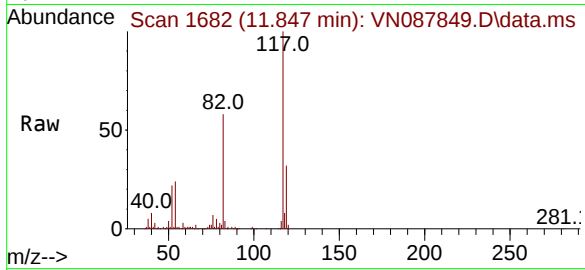




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.847 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VN087849.D  
Acq: 16 Sep 2025 15:04

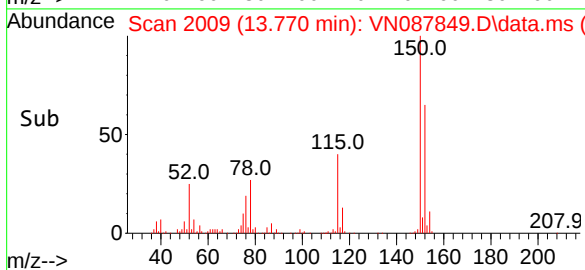
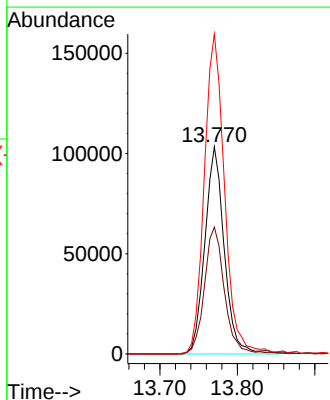
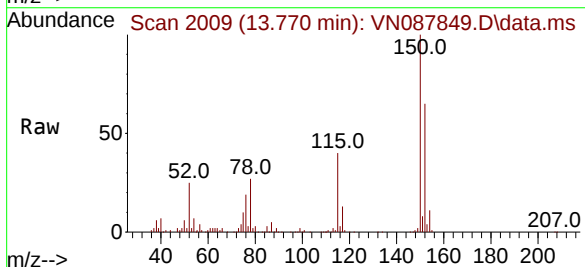
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0916WBL01

Tgt Ion:117 Resp: 397360  
Ion Ratio Lower Upper  
117 100  
82 58.5 47.4 71.2  
119 32.0 24.3 36.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.770 min Scan# 2009  
Delta R.T. 0.006 min  
Lab File: VN087849.D  
Acq: 16 Sep 2025 15:04

Tgt Ion:152 Resp: 180365  
Ion Ratio Lower Upper  
152 100  
115 63.1 32.3 96.8  
150 160.4 0.0 351.0



## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBS01               |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBS01               |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087850.D        | 1         | 09/16/25 15:25 | VN091625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 18.5  |           | 0.22 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 19.0  |           | 0.32 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 17.9  |           | 0.26 | 1.00       | ug/L  |
| 141-78-6       | Ethyl Acetate                  | 17.3  |           | 0.31 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 19.8  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 18.1  |           | 0.47 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.4  |           | 0.33 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.3  |           | 0.25 | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 90.0  |           | 5.50 | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 18.2  |           | 0.23 | 1.00       | ug/L  |
| 107-02-8       | Acrolein                       | 72.8  |           | 7.10 | 25.0       | ug/L  |
| 107-13-1       | Acrylonitrile                  | 92.9  |           | 0.83 | 5.00       | ug/L  |
| 67-64-1        | Acetone                        | 75.9  |           | 1.50 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 19.4  |           | 0.21 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 18.0  |           | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 19.6  |           | 0.27 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 19.2  |           | 0.28 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.3  |           | 0.23 | 1.00       | ug/L  |
| 108-05-4       | Vinyl Acetate                  | 87.4  |           | 0.66 | 5.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 18.0  |           | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 17.7  |           | 1.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 87.0  |           | 0.98 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.2  |           | 0.25 | 1.00       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane            | 17.0  |           | 0.21 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.4  |           | 0.19 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 17.9  |           | 0.22 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 18.9  |           | 0.25 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.7  |           | 0.20 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 17.4  |           | 0.16 | 1.00       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene            | 17.6  |           | 0.15 | 1.00       | ug/L  |

### Report of Analysis

|                    |                           |           |                 |                    |
|--------------------|---------------------------|-----------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |           | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |           | Date Received:  |                    |
| Client Sample ID:  | VN0916WBS01               |           | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBS01               |           | Matrix:         | Water              |
| Analytical Method: | 8260D                     |           | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: mL | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           | uL        | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID : 0.25 | Level :         | LOW                |
| Prep Method :      |                           |           |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087850.D        | 1         | 09/16/25 15:25 | VN091625      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|-------|------------|-------|
| 71-43-2     | Benzene                   | 19.1  |           | 0.15  | 1.00       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 18.1  |           | 0.22  | 1.00       | ug/L  |
| 79-01-6     | Trichloroethene           | 18.9  |           | 0.090 | 1.00       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 18.4  |           | 0.20  | 1.00       | ug/L  |
| 74-95-3     | Dibromomethane            | 18.8  |           | 0.25  | 1.00       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 19.1  |           | 0.22  | 1.00       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 92.8  |           | 0.68  | 5.00       | ug/L  |
| 108-88-3    | Toluene                   | 18.6  |           | 0.14  | 1.00       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 17.9  |           | 0.17  | 1.00       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 18.7  |           | 0.16  | 1.00       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 19.4  |           | 0.21  | 1.00       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 19.0  |           | 0.19  | 1.00       | ug/L  |
| 110-75-8    | 2-Chloroethyl Vinyl ether | 88.7  |           | 0.30  | 5.00       | ug/L  |
| 591-78-6    | 2-Hexanone                | 90.1  |           | 0.89  | 5.00       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 18.9  |           | 0.18  | 1.00       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 19.0  |           | 0.15  | 1.00       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 19.2  |           | 0.23  | 1.00       | ug/L  |
| 108-90-7    | Chlorobenzene             | 19.2  |           | 0.12  | 1.00       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 20.5  |           | 0.19  | 1.00       | ug/L  |
| 67-72-1     | Hexachloroethane          | 17.9  |           | 0.32  | 0          | ug/L  |
| 100-41-4    | Ethyl Benzene             | 18.2  |           | 0.13  | 1.00       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 37.6  |           | 0.24  | 2.00       | ug/L  |
| 95-47-6     | o-Xylene                  | 18.8  |           | 0.12  | 1.00       | ug/L  |
| 100-42-5    | Styrene                   | 18.8  |           | 0.15  | 1.00       | ug/L  |
| 75-25-2     | Bromoform                 | 21.0  |           | 0.19  | 1.00       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 16.7  |           | 0.12  | 1.00       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 17.5  |           | 0.26  | 1.00       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 17.6  |           | 0.35  | 1.00       | ug/L  |
| 108-86-1    | Bromobenzene              | 17.8  |           | 0.24  | 1.00       | ug/L  |
| 103-65-1    | n-propylbenzene           | 17.1  |           | 0.13  | 1.00       | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 17.0  |           | 0.14  | 1.00       | ug/L  |

## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | Chemtech Consulting Group                 | Date Collected: |                              |
| Project:           | Weekly Storage Blanks                     | Date Received:  |                              |
| Client Sample ID:  | VN0916WBS01                               | SDG No.:        | Q3087                        |
| Lab Sample ID:     | VN0916WBS01                               | Matrix:         | Water                        |
| Analytical Method: | 8260D                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL       | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC- Chemtech Full           |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087850.D        | 1         | 09/16/25 15:25 | VN091625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 16.7   |           | 0.15     | 1.00       | ug/L    |
| 106-43-4                  | 4-Chlorotoluene             | 16.6   |           | 0.13     | 1.00       | ug/L    |
| 98-06-6                   | tert-Butylbenzene           | 17.0   |           | 0.14     | 1.00       | ug/L    |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 17.3   |           | 0.14     | 1.00       | ug/L    |
| 135-98-8                  | sec-Butylbenzene            | 17.2   |           | 0.13     | 1.00       | ug/L    |
| 99-87-6                   | p-Isopropyltoluene          | 16.9   |           | 0.13     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 18.0   |           | 0.16     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 18.2   |           | 0.19     | 1.00       | ug/L    |
| 104-51-8                  | n-Butylbenzene              | 16.4   |           | 0.15     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 17.9   |           | 0.16     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 16.4   |           | 0.53     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.0   |           | 0.20     | 1.00       | ug/L    |
| 87-68-3                   | Hexachlorobutadiene         | 19.0   |           | 0.30     | 1.00       | ug/L    |
| 91-20-3                   | Naphthalene                 | 16.3   |           | 0.20     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 17.8   |           | 0.20     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 44.1   |           | 74 - 125 | 88%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.5   |           | 75 - 124 | 95%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 45.0   |           | 86 - 113 | 90%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 46.8   |           | 77 - 121 | 94%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 212000 | 8.206     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 417000 | 9.082     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 385000 | 11.847    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 210000 | 13.77     |          |            |         |

## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | Chemtech Consulting Group                 | Date Collected: |                              |
| Project:           | Weekly Storage Blanks                     | Date Received:  |                              |
| Client Sample ID:  | VN0916WBS01                               | SDG No.:        | Q3087                        |
| Lab Sample ID:     | VN0916WBS01                               | Matrix:         | Water                        |
| Analytical Method: | 8260D                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL       | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC- Chemtech Full           |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087850.D        | 1         | 09/16/25 15:25 | VN091625      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087850.D  
 Acq On : 16 Sep 2025 15:25  
 Operator : JC\MD  
 Sample : VN0916WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 212441     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.082          | 114  | 416535     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847         | 117  | 384629     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.770         | 152  | 210239     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 191875     | 44.082  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 88.160% |        |          |
| 35) Dibromofluoromethane     | 8.153          | 113  | 142797     | 47.482  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.960% |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 506575     | 45.005  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 90.000% |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 187364     | 46.806  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 93.620% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 55904      | 18.528  | ug/l   | 97       |
| 3) Chloromethane             | 2.383          | 50   | 59012      | 19.032  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.536          | 62   | 64459      | 17.929  | ug/l   | 98       |
| 5) Bromomethane              | 2.977          | 94   | 36769      | 19.821  | ug/l   | 92       |
| 6) Chloroethane              | 3.142          | 64   | 45770      | 18.113  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 102174     | 19.398  | ug/l   | 97       |
| 8) Diethyl Ether             | 3.959          | 74   | 40276      | 17.557  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 54564      | 18.307  | ug/l   | 96       |
| 10) Methyl Iodide            | 4.583          | 142  | 30221      | 18.530  | ug/l # | 95       |
| 11) Tert butyl alcohol       | 5.530          | 59   | 68041      | 90.044  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 55667      | 18.175  | ug/l   | 85       |
| 13) Acrolein                 | 4.183          | 56   | 67595      | 72.764  | ug/l   | 93       |
| 14) Allyl chloride           | 5.012          | 41   | 87373      | 15.742  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.706          | 53   | 198074     | 92.945  | ug/l   | 98       |
| 16) Acetone                  | 4.424          | 43   | 179741     | 75.857  | ug/l   | 97       |
| 17) Carbon Disulfide         | 4.706          | 76   | 163482     | 19.388  | ug/l   | 97       |
| 18) Methyl Acetate           | 5.012          | 43   | 97217      | 19.596  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 206909     | 18.008  | ug/l   | 96       |
| 20) Methylene Chloride       | 5.265          | 84   | 68413      | 19.197  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 60716      | 18.291  | ug/l   | 93       |
| 22) Diisopropyl ether        | 6.653          | 45   | 208232     | 17.385  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.594          | 43   | 952603     | 87.417  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 118103     | 17.984  | ug/l   | 95       |
| 25) 2-Butanone               | 7.471          | 43   | 271281     | 87.024  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 7.477          | 77   | 96026      | 17.036  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 77168      | 19.446  | ug/l   | 93       |
| 28) Bromochloromethane       | 7.794          | 49   | 56730      | 17.868  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 7.830          | 42   | 177067     | 88.261  | ug/l   | 98       |
| 30) Chloroform               | 7.947          | 83   | 126732     | 18.906  | ug/l   | 99       |
| 31) Cyclohexane              | 8.235          | 56   | 96759      | 17.673  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.147          | 97   | 106285     | 18.710  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 81154      | 17.590  | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.553          | 43   | 109179     | 17.318  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.347          | 117  | 87614      | 19.234  | ug/l   | 94       |
| 39) Methylcyclohexane        | 9.582          | 83   | 88595      | 17.442  | ug/l   | 94       |
| 40) Benzene                  | 8.588          | 78   | 269680     | 19.058  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087850.D  
 Acq On : 16 Sep 2025 15:25  
 Operator : JC\MD  
 Sample : VN0916WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.771  | 41   | 54678    | 16.743  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 98286    | 18.074  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.677  | 43   | 174715   | 17.750  | ug/l   | 98       |
| 44) Trichloroethene           | 9.335  | 130  | 60956    | 18.867  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 68739    | 18.429  | ug/l   | 100      |
| 46) Dibromomethane            | 9.688  | 93   | 49768    | 18.750  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.871  | 83   | 103785   | 19.078  | ug/l # | 95       |
| 48) Methyl methacrylate       | 9.665  | 41   | 78208    | 16.798  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.682  | 88   | 22511    | 373.036 | ug/l # | 94       |
| 51) 4-Methyl-2-Pentanone      | 10.423 | 43   | 551309   | 92.834  | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 163565   | 18.645  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 100551   | 17.857  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 109621   | 18.749  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.994 | 97   | 65951    | 19.433  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.853 | 69   | 95504    | 17.609  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 114165   | 19.008  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 260397   | 88.706  | ug/l   | 98       |
| 59) 2-Hexanone                | 11.176 | 43   | 338058   | 90.071  | ug/l   | 98       |
| 60) Dibromochloromethane      | 11.335 | 129  | 74413    | 18.924  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 67826    | 18.954  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.082 | 164  | 51220    | 19.194  | ug/l   | 92       |
| 65) Chlorobenzene             | 11.870 | 112  | 183474   | 19.174  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 64982    | 20.455  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 301786   | 18.215  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.053 | 106  | 228624   | 37.626  | ug/l   | 97       |
| 69) o-Xylene                  | 12.376 | 106  | 111964   | 18.803  | ug/l   | 95       |
| 70) Styrene                   | 12.388 | 104  | 187752   | 18.820  | ug/l   | 98       |
| 71) Bromoform                 | 12.559 | 173  | 51182    | 21.008  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.670 | 105  | 283155   | 16.667  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.676 | 43   | 116357m  | 18.073  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 102369   | 17.502  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.970 | 75   | 86649m   | 17.575  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 71443    | 17.836  | ug/l   | 93       |
| 78) n-propylbenzene           | 13.012 | 91   | 357472   | 17.083  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.100 | 91   | 213896   | 16.985  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 240227   | 16.669  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75   | 28031    | 15.052  | ug/l   | 84       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 219802   | 16.601  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 204658   | 17.041  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 249090   | 17.265  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.594 | 105  | 306232   | 17.183  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 248091   | 16.858  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.711 | 146  | 141726   | 17.967  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 149128   | 18.166  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.035 | 91   | 239567   | 16.391  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.306 | 117  | 50166    | 17.892  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 134043   | 17.912  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 22750    | 16.373  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 15.370 | 180  | 80915    | 18.006  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 30415    | 18.985  | ug/l   | 96       |
| 95) Naphthalene               | 15.611 | 128  | 259960   | 16.332  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 78003    | 17.755  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087850.D  
Acq On : 16 Sep 2025 15:25  
Operator : JC\MD  
Sample : VN0916WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0916WBS01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 09/17/2025  
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

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

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

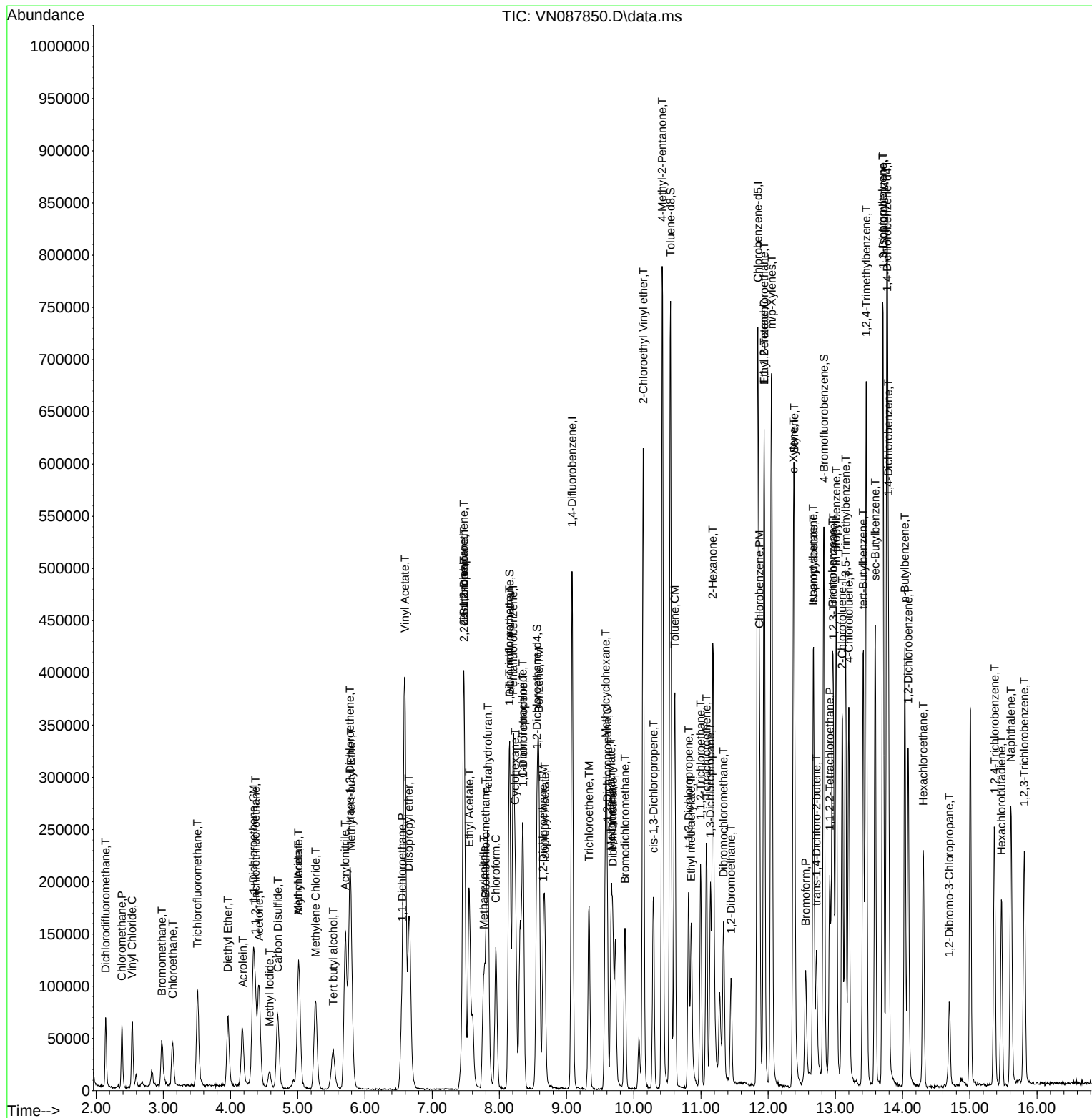
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087850.D  
Acq On : 16 Sep 2025 15:25  
Operator : JC\MD  
Sample : VN0916WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0916WBS01

## Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025  
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Quant Time: Sep 17 01:21:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration



## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBSD01              |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBSD01              |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087851.D        | 1         | 09/16/25 15:46 | VN091625      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 19.0  |           | 0.22 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 18.4  |           | 0.32 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 18.4  |           | 0.26 | 1.00       | ug/L  |
| 141-78-6       | Ethyl Acetate                  | 16.5  |           | 0.31 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 19.5  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 16.9  |           | 0.47 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.7  |           | 0.33 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.5  |           | 0.25 | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol             | 92.9  |           | 5.50 | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 17.6  |           | 0.23 | 1.00       | ug/L  |
| 107-02-8       | Acrolein                       | 74.1  |           | 7.10 | 25.0       | ug/L  |
| 107-13-1       | Acrylonitrile                  | 88.9  |           | 0.83 | 5.00       | ug/L  |
| 67-64-1        | Acetone                        | 71.9  |           | 1.50 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 18.7  |           | 0.21 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.0  |           | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 18.6  |           | 0.27 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 18.4  |           | 0.28 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.6  |           | 0.23 | 1.00       | ug/L  |
| 108-05-4       | Vinyl Acetate                  | 75.0  |           | 0.66 | 5.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 17.5  |           | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 18.1  |           | 1.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 84.2  |           | 0.98 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.7  |           | 0.25 | 1.00       | ug/L  |
| 594-20-7       | 2,2-Dichloropropane            | 16.6  |           | 0.21 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.2  |           | 0.19 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 17.4  |           | 0.22 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 18.0  |           | 0.25 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.1  |           | 0.20 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 18.5  |           | 0.16 | 1.00       | ug/L  |
| 563-58-6       | 1,1-Dichloropropene            | 17.9  |           | 0.15 | 1.00       | ug/L  |

## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBSD01              |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBSD01              |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087851.D        | 1         | 09/16/25 15:46 | VN091625      |

| CAS Number  | Parameter                 | Conc. | Qualifier | MDL   | LOQ / CRQL | Units |
|-------------|---------------------------|-------|-----------|-------|------------|-------|
| 71-43-2     | Benzene                   | 18.9  |           | 0.15  | 1.00       | ug/L  |
| 107-06-2    | 1,2-Dichloroethane        | 18.0  |           | 0.22  | 1.00       | ug/L  |
| 79-01-6     | Trichloroethene           | 19.8  |           | 0.090 | 1.00       | ug/L  |
| 78-87-5     | 1,2-Dichloropropane       | 18.4  |           | 0.20  | 1.00       | ug/L  |
| 74-95-3     | Dibromomethane            | 19.4  |           | 0.25  | 1.00       | ug/L  |
| 75-27-4     | Bromodichloromethane      | 19.2  |           | 0.22  | 1.00       | ug/L  |
| 108-10-1    | 4-Methyl-2-Pentanone      | 92.1  |           | 0.68  | 5.00       | ug/L  |
| 108-88-3    | Toluene                   | 18.7  |           | 0.14  | 1.00       | ug/L  |
| 10061-02-6  | t-1,3-Dichloropropene     | 18.3  |           | 0.17  | 1.00       | ug/L  |
| 10061-01-5  | cis-1,3-Dichloropropene   | 17.9  |           | 0.16  | 1.00       | ug/L  |
| 79-00-5     | 1,1,2-Trichloroethane     | 20.1  |           | 0.21  | 1.00       | ug/L  |
| 142-28-9    | 1,3-Dichloropropane       | 19.0  |           | 0.19  | 1.00       | ug/L  |
| 110-75-8    | 2-Chloroethyl Vinyl ether | 86.1  |           | 0.30  | 5.00       | ug/L  |
| 591-78-6    | 2-Hexanone                | 89.5  |           | 0.89  | 5.00       | ug/L  |
| 124-48-1    | Dibromochloromethane      | 19.1  |           | 0.18  | 1.00       | ug/L  |
| 106-93-4    | 1,2-Dibromoethane         | 18.6  |           | 0.15  | 1.00       | ug/L  |
| 127-18-4    | Tetrachloroethene         | 19.7  |           | 0.23  | 1.00       | ug/L  |
| 108-90-7    | Chlorobenzene             | 19.0  |           | 0.12  | 1.00       | ug/L  |
| 630-20-6    | 1,1,1,2-Tetrachloroethane | 20.2  |           | 0.19  | 1.00       | ug/L  |
| 67-72-1     | Hexachloroethane          | 19.3  |           | 0.32  | 0          | ug/L  |
| 100-41-4    | Ethyl Benzene             | 18.7  |           | 0.13  | 1.00       | ug/L  |
| 179601-23-1 | m/p-Xylenes               | 39.2  |           | 0.24  | 2.00       | ug/L  |
| 95-47-6     | o-Xylene                  | 19.5  |           | 0.12  | 1.00       | ug/L  |
| 100-42-5    | Styrene                   | 19.0  |           | 0.15  | 1.00       | ug/L  |
| 75-25-2     | Bromoform                 | 21.1  |           | 0.19  | 1.00       | ug/L  |
| 98-82-8     | Isopropylbenzene          | 17.4  |           | 0.12  | 1.00       | ug/L  |
| 79-34-5     | 1,1,2,2-Tetrachloroethane | 18.5  |           | 0.26  | 1.00       | ug/L  |
| 96-18-4     | 1,2,3-Trichloropropane    | 17.6  |           | 0.35  | 1.00       | ug/L  |
| 108-86-1    | Bromobenzene              | 18.9  |           | 0.24  | 1.00       | ug/L  |
| 103-65-1    | n-propylbenzene           | 18.1  |           | 0.13  | 1.00       | ug/L  |
| 95-49-8     | 2-Chlorotoluene           | 17.4  |           | 0.14  | 1.00       | ug/L  |

## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBSD01              |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBSD01              |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087851.D        | 1         | 09/16/25 15:46 | VN091625      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 108-67-8                  | 1,3,5-Trimethylbenzene      | 17.8   |           | 0.15     | 1.00       | ug/L    |
| 106-43-4                  | 4-Chlorotoluene             | 17.2   |           | 0.13     | 1.00       | ug/L    |
| 98-06-6                   | tert-Butylbenzene           | 18.5   |           | 0.14     | 1.00       | ug/L    |
| 95-63-6                   | 1,2,4-Trimethylbenzene      | 18.0   |           | 0.14     | 1.00       | ug/L    |
| 135-98-8                  | sec-Butylbenzene            | 18.4   |           | 0.13     | 1.00       | ug/L    |
| 99-87-6                   | p-Isopropyltoluene          | 18.9   |           | 0.13     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 18.8   |           | 0.16     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 18.2   |           | 0.19     | 1.00       | ug/L    |
| 104-51-8                  | n-Butylbenzene              | 17.7   |           | 0.15     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 19.3   |           | 0.16     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 16.9   |           | 0.53     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.0   |           | 0.20     | 1.00       | ug/L    |
| 87-68-3                   | Hexachlorobutadiene         | 20.9   |           | 0.30     | 1.00       | ug/L    |
| 91-20-3                   | Naphthalene                 | 17.3   |           | 0.20     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 18.6   |           | 0.20     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 43.5   |           | 74 - 125 | 87%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 48.6   |           | 75 - 124 | 97%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 45.6   |           | 86 - 113 | 91%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 46.4   |           | 77 - 121 | 93%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 229000 | 8.206     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 434000 | 9.083     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 393000 | 11.847    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 210000 | 13.771    |          |            |         |

## Report of Analysis

|                    |                           |        |      |                 |                    |
|--------------------|---------------------------|--------|------|-----------------|--------------------|
| Client:            | Chemtech Consulting Group |        |      | Date Collected: |                    |
| Project:           | Weekly Storage Blanks     |        |      | Date Received:  |                    |
| Client Sample ID:  | VN0916WBSD01              |        |      | SDG No.:        | Q3087              |
| Lab Sample ID:     | VN0916WBSD01              |        |      | Matrix:         | Water              |
| Analytical Method: | 8260D                     |        |      | % Solid:        | 0                  |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000 uL            |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC- Chemtech Full |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW                |
| Prep Method :      |                           |        |      |                 |                    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087851.D        | 1         | 09/16/25 15:46 | VN091625      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087851.D  
 Acq On : 16 Sep 2025 15:46  
 Operator : JC\MD  
 Sample : VN0916WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBSD01

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 09/17/2025  
 Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.206          | 168  | 229272     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.083          | 114  | 433869     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.847         | 117  | 392898     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.771         | 152  | 209579     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.559          | 65   | 204194     | 43.468  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 86.940% |        |          |
| 35) Dibromofluoromethane     | 8.147          | 113  | 152219     | 48.593  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 97.180% |        |          |
| 50) Toluene-d8               | 10.547         | 98   | 534604     | 45.597  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 91.200% |        |          |
| 62) 4-Bromofluorobenzene     | 12.829         | 95   | 193287     | 46.356  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 92.720% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 61714      | 18.952  | ug/l   | 99       |
| 3) Chloromethane             | 2.383          | 50   | 61485      | 18.373  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.536          | 62   | 71328      | 18.383  | ug/l   | 90       |
| 5) Bromomethane              | 2.983          | 94   | 39000      | 19.480  | ug/l   | 87       |
| 6) Chloroethane              | 3.136          | 64   | 46084      | 16.899  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 111716     | 19.652  | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959          | 74   | 40444      | 16.336  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 59552      | 18.514  | ug/l   | 97       |
| 10) Methyl Iodide            | 4.577          | 142  | 35235      | 19.471  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 75759      | 92.898  | ug/l   | 95       |
| 12) 1,1-Dichloroethene       | 4.330          | 96   | 58163      | 17.596  | ug/l   | 90       |
| 13) Acrolein                 | 4.177          | 56   | 74339      | 74.149  | ug/l   | 100      |
| 14) Allyl chloride           | 5.012          | 41   | 90094      | 15.040  | ug/l   | 93       |
| 15) Acrylonitrile            | 5.706          | 53   | 204541     | 88.934  | ug/l   | 97       |
| 16) Acetone                  | 4.424          | 43   | 183819     | 71.883  | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.706          | 76   | 170001     | 18.681  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.018          | 43   | 99443      | 18.573  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.789          | 73   | 210306     | 16.960  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.265          | 84   | 70838      | 18.366  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.777          | 96   | 63180      | 17.636  | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.659          | 45   | 220735     | 17.076  | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.589          | 43   | 882321     | 75.024  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 6.553          | 63   | 123788     | 17.466  | ug/l   | 97       |
| 25) 2-Butanone               | 7.471          | 43   | 283126     | 84.156  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 7.471          | 77   | 101171     | 16.632  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.471          | 96   | 77871      | 18.182  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.794          | 49   | 59450      | 17.350  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.824          | 42   | 179559     | 82.933  | ug/l   | 97       |
| 30) Chloroform               | 7.947          | 83   | 129921     | 17.959  | ug/l   | 98       |
| 31) Cyclohexane              | 8.236          | 56   | 107126     | 18.131  | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 110851     | 18.081  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.353          | 75   | 86206      | 17.938  | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.542          | 43   | 108447     | 16.514  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 8.341          | 117  | 93570      | 19.721  | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.583          | 83   | 97980      | 18.519  | ug/l   | 96       |
| 40) Benzene                  | 8.588          | 78   | 278225     | 18.876  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
 Data File : VN087851.D  
 Acq On : 16 Sep 2025 15:46  
 Operator : JC\MD  
 Sample : VN0916WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0916WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/17/2025  
 Supervised By : Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 22 02:55:42 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.765  | 41   | 59964    | 17.628  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.653  | 62   | 101742   | 17.962  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.677  | 43   | 179617   | 17.519  | ug/l   | 97       |
| 44) Trichloroethene           | 9.335  | 130  | 66656    | 19.807  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.606  | 63   | 71366    | 18.369  | ug/l   | 97       |
| 46) Dibromomethane            | 9.688  | 93   | 53658    | 19.408  | ug/l   | 96       |
| 47) Bromodichloromethane      | 9.871  | 83   | 108569   | 19.160  | ug/l # | 94       |
| 48) Methyl methacrylate       | 9.665  | 41   | 82168    | 16.943  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.677  | 88   | 21945    | 349.128 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 10.424 | 43   | 569808   | 92.115  | ug/l   | 100      |
| 52) Toluene                   | 10.612 | 92   | 170728   | 18.684  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.818 | 75   | 107103   | 18.261  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.294 | 75   | 108830   | 17.870  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 11.000 | 97   | 71066    | 20.104  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.859 | 69   | 100359   | 17.765  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 11.141 | 76   | 119059   | 19.031  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63   | 263312   | 86.115  | ug/l   | 96       |
| 59) 2-Hexanone                | 11.177 | 43   | 349848   | 89.488  | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.335 | 129  | 78365    | 19.133  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.447 | 107  | 69424    | 18.625  | ug/l   | 96       |
| 64) Tetrachloroethene         | 11.082 | 164  | 53603    | 19.664  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.871 | 112  | 185603   | 18.988  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131  | 65603    | 20.216  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.941 | 91   | 316873   | 18.723  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.047 | 106  | 243049   | 39.158  | ug/l   | 96       |
| 69) o-Xylene                  | 12.376 | 106  | 118378   | 19.462  | ug/l   | 96       |
| 70) Styrene                   | 12.388 | 104  | 193858   | 19.023  | ug/l   | 97       |
| 71) Bromoform                 | 12.553 | 173  | 52426    | 21.065  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.671 | 105  | 294667   | 17.400  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.665 | 43   | 121778m  | 18.975  | ug/l   |          |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 107892   | 18.504  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.971 | 75   | 86475m   | 17.595  | ug/l   |          |
| 77) Bromobenzene              | 12.959 | 156  | 75614    | 18.936  | ug/l   | 93       |
| 78) n-propylbenzene           | 13.012 | 91   | 377345   | 18.089  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 13.106 | 91   | 218388   | 17.397  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 255538   | 17.787  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75   | 29446    | 15.861  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.200 | 91   | 227013   | 17.200  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.412 | 119  | 221104   | 18.468  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 259126   | 18.018  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.594 | 105  | 326968   | 18.404  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.706 | 119  | 276556   | 18.851  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.712 | 146  | 147792   | 18.795  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.788 | 146  | 148845   | 18.189  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.035 | 91   | 257806   | 17.694  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.306 | 117  | 53872    | 19.275  | ug/l   | 88       |
| 91) 1,2-Dichlorobenzene       | 14.082 | 146  | 143628   | 19.253  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 23465    | 16.941  | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 15.365 | 180  | 85112    | 18.999  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.470 | 225  | 33396    | 20.911  | ug/l   | 97       |
| 95) Naphthalene               | 15.617 | 128  | 273883   | 17.261  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 81446    | 18.597  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN091625\  
Data File : VN087851.D  
Acq On : 16 Sep 2025 15:46  
Operator : JC\MD  
Sample : VN0916WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0916WBSD01

**Manual Integrations**  
**APPROVED**

Reviewed By :John Carlone 09/17/2025  
Supervised By :Mahesh Dadoda 09/18/2025

Quant Time: Sep 17 01:21:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N082125W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 22 02:55:42 2025  
Response via : Initial Calibration

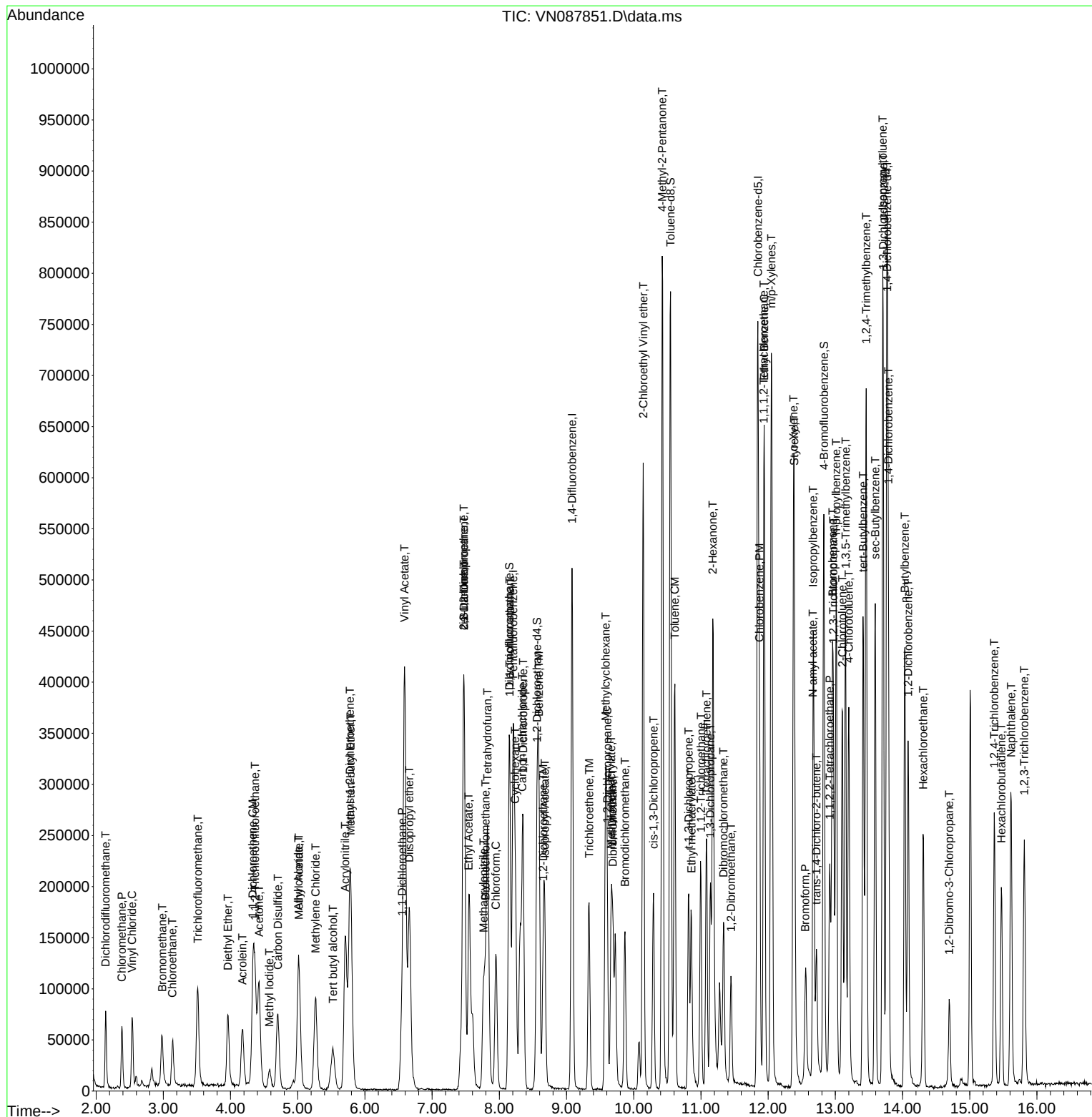
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0916WBSD01

## Manual Integrations APPROVED

Reviewed By :John Carlone 09/17/2025  
Supervised By :Mahesh Dadoda 09/18/2025



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN082125 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC001  | VN087619.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:16:40 AM | MMDadoda      | 8/25/2025 8:11:19 AM | Peak Integrated by Software |
| VSTDICC001  | VN087619.D | 1,4-Dichlorobenzene    | JOHN      | 8/22/2025 9:16:40 AM | MMDadoda      | 8/25/2025 8:11:19 AM | Peak Integrated by Software |
| VSTDICC001  | VN087619.D | Diethyl Ether          | JOHN      | 8/22/2025 9:16:40 AM | MMDadoda      | 8/25/2025 8:11:19 AM | Peak Integrated by Software |
| VSTDICC001  | VN087619.D | Ethyl Acetate          | JOHN      | 8/22/2025 9:16:40 AM | MMDadoda      | 8/25/2025 8:11:19 AM | Peak Integrated by Software |
| VSTDICC001  | VN087619.D | Methyl Acetate         | JOHN      | 8/22/2025 9:16:40 AM | MMDadoda      | 8/25/2025 8:11:19 AM | Peak Integrated by Software |
| VSTDICC001  | VN087619.D | N-amyl acetate         | JOHN      | 8/22/2025 9:16:40 AM | MMDadoda      | 8/25/2025 8:11:19 AM | Peak Integrated by Software |
| VSTDICC005  | VN087620.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:16:49 AM | MMDadoda      | 8/25/2025 8:11:20 AM | Peak Integrated by Software |
| VSTDICC005  | VN087620.D | Ethyl Acetate          | JOHN      | 8/22/2025 9:16:49 AM | MMDadoda      | 8/25/2025 8:11:20 AM | Peak Integrated by Software |
| VSTDICC005  | VN087620.D | N-amyl acetate         | JOHN      | 8/22/2025 9:16:49 AM | MMDadoda      | 8/25/2025 8:11:20 AM | Peak Integrated by Software |
| VSTDICC020  | VN087621.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:17:20 AM | MMDadoda      | 8/25/2025 8:11:22 AM | Peak Integrated by Software |
| VSTDICC020  | VN087621.D | N-amyl acetate         | JOHN      | 8/22/2025 9:17:20 AM | MMDadoda      | 8/25/2025 8:11:22 AM | Peak Integrated by Software |
| VSTDICCC050 | VN087622.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:17:24 AM | MMDadoda      | 8/25/2025 8:11:23 AM | Peak Integrated by Software |
| VSTDICCC050 | VN087622.D | N-amyl acetate         | JOHN      | 8/22/2025 9:17:24 AM | MMDadoda      | 8/25/2025 8:11:23 AM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VN082125

Instrument

MSVOA\_n

| Sample ID  | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDICC100 | VN087623.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:17:28 AM | MMDadoda      | 8/25/2025 8:11:24 AM | Peak Integrated by Software |
| VSTDICC150 | VN087624.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:17:33 AM | MMDadoda      | 8/25/2025 8:11:26 AM | Peak Integrated by Software |
| VSTDICV050 | VN087626.D | 1,2,3-Trichloropropane | JOHN      | 8/22/2025 9:17:37 AM | MMDadoda      | 8/25/2025 8:11:28 AM | Peak Integrated by Software |
| VSTDICV050 | VN087626.D | N-amyl acetate         | JOHN      | 8/22/2025 9:17:37 AM | MMDadoda      | 8/25/2025 8:11:28 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN091625 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------------|------------|------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC050       | VN087847.D | 1,2,3-Trichloropropane | JOHN      | 9/17/2025 8:20:26 AM | MMDadoda      | 9/18/2025 3:21:22 PM | Peak Integrated by Software |
| VSTDCCC050       | VN087847.D | N-amyl acetate         | JOHN      | 9/17/2025 8:20:26 AM | MMDadoda      | 9/18/2025 3:21:22 PM | Peak Integrated by Software |
| VN0916WBS01      | VN087850.D | 1,2,3-Trichloropropane | JOHN      | 9/17/2025 8:20:32 AM | MMDadoda      | 9/18/2025 3:21:23 PM | Peak Integrated by Software |
| VN0916WBS01      | VN087850.D | N-amyl acetate         | JOHN      | 9/17/2025 8:20:32 AM | MMDadoda      | 9/18/2025 3:21:23 PM | Peak Integrated by Software |
| VN0916WBSD0<br>1 | VN087851.D | 1,2,3-Trichloropropane | JOHN      | 9/17/2025 8:20:36 AM | MMDadoda      | 9/18/2025 3:21:25 PM | Peak Integrated by Software |
| VN0916WBSD0<br>1 | VN087851.D | N-amyl acetate         | JOHN      | 9/17/2025 8:20:36 AM | MMDadoda      | 9/18/2025 3:21:25 PM | Peak Integrated by Software |
| VSTDCCC050       | VN087867.D | 1,2,3-Trichloropropane | JOHN      | 9/17/2025 8:20:54 AM | MMDadoda      | 9/18/2025 3:21:30 PM | Peak Integrated by Software |
| VSTDCCC050       | VN087867.D | N-amyl acetate         | JOHN      | 9/17/2025 8:20:54 AM | MMDadoda      | 9/18/2025 3:21:30 PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # VN082125**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 8/22/2025 9:17:52 AM              |
| Supervise By             | Mahesh Dadoda                                         | Supervise On      | 8/25/2025 8:11:38 AM              |
| SubDirectory             | VN082125                                              | HP Acquire Method | HP Processing Method 82N082125W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP135214                                              |                   |                                   |
| Initial Calibration Stds | VP135215,VP135216,VP135217,VP135218,VP135219,VP135220 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP135221                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VN087614.D     | 21 Aug 2025 09:30 | JC\MD    | Ok     |
| 2   | VSTDCCC020   | VN087615.D     | 21 Aug 2025 10:04 | JC\MD    | Not Ok |
| 3   | VN0821WBS01  | VN087616.D     | 21 Aug 2025 10:37 | JC\MD    | Not Ok |
| 4   | VN0821WBSD01 | VN087617.D     | 21 Aug 2025 11:11 | JC\MD    | Not Ok |
| 5   | VN0821WBL01  | VN087618.D     | 21 Aug 2025 11:36 | JC\MD    | Not Ok |
| 6   | VSTDICC001   | VN087619.D     | 21 Aug 2025 12:09 | JC\MD    | Ok,M   |
| 7   | VSTDICC005   | VN087620.D     | 21 Aug 2025 13:08 | JC\MD    | Ok,M   |
| 8   | VSTDICC020   | VN087621.D     | 21 Aug 2025 13:41 | JC\MD    | Ok,M   |
| 9   | VSTDICCC050  | VN087622.D     | 21 Aug 2025 14:02 | JC\MD    | Ok,M   |
| 10  | VSTDICC100   | VN087623.D     | 21 Aug 2025 14:23 | JC\MD    | Ok,M   |
| 11  | VSTDICC150   | VN087624.D     | 21 Aug 2025 14:44 | JC\MD    | Ok,M   |
| 12  | IBLK         | VN087625.D     | 21 Aug 2025 15:05 | JC\MD    | Ok     |
| 13  | VSTDICV050   | VN087626.D     | 21 Aug 2025 15:47 | JC\MD    | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # VN091625**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 9/17/2025 8:23:11 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 9/18/2025 3:21:51 PM              |
| SubDirectory                                                                                       | VN091625          | HP Acquire Method | HP Processing Method 82N082125W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135496          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135497,VP135498 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VN087846.D     | 16 Sep 2025 11:25 | JC\MD    | Ok       |
| 2   | VSTDCCC050   | VN087847.D     | 16 Sep 2025 13:55 | JC\MD    | Ok,M     |
| 3   | VN0916MBL01  | VN087848.D     | 16 Sep 2025 14:43 | JC\MD    | Ok       |
| 4   | VN0916WBL01  | VN087849.D     | 16 Sep 2025 15:04 | JC\MD    | Ok       |
| 5   | VN0916WBS01  | VN087850.D     | 16 Sep 2025 15:25 | JC\MD    | Ok,M     |
| 6   | VN0916WBSD01 | VN087851.D     | 16 Sep 2025 15:46 | JC\MD    | Ok,M     |
| 7   | Q3103-01     | VN087852.D     | 16 Sep 2025 16:08 | JC\MD    | Ok       |
| 8   | Q3108-01     | VN087853.D     | 16 Sep 2025 16:29 | JC\MD    | Ok,M     |
| 9   | Q3109-01     | VN087854.D     | 16 Sep 2025 16:50 | JC\MD    | Ok       |
| 10  | Q3109-02     | VN087855.D     | 16 Sep 2025 17:11 | JC\MD    | Dilution |
| 11  | VN0916MBS01  | VN087856.D     | 16 Sep 2025 17:32 | JC\MD    | Ok,M     |
| 12  | VN0916MBSD01 | VN087857.D     | 16 Sep 2025 17:54 | JC\MD    | Ok,M     |
| 13  | Q3077-01     | VN087858.D     | 16 Sep 2025 18:15 | JC\MD    | Ok       |
| 14  | Q3021-01     | VN087859.D     | 16 Sep 2025 18:36 | JC\MD    | Ok       |
| 15  | Q3021-03     | VN087860.D     | 16 Sep 2025 18:58 | JC\MD    | Ok       |
| 16  | Q3021-05     | VN087861.D     | 16 Sep 2025 19:19 | JC\MD    | Ok       |
| 17  | IBLK         | VN087862.D     | 16 Sep 2025 19:40 | JC\MD    | Ok       |
| 18  | Q3087-01     | VN087863.D     | 16 Sep 2025 20:01 | JC\MD    | Ok       |
| 19  | Q3087-02     | VN087864.D     | 16 Sep 2025 20:22 | JC\MD    | Ok       |
| 20  | Q3087-03     | VN087865.D     | 16 Sep 2025 20:43 | JC\MD    | Ok       |
| 21  | Q3087-04     | VN087866.D     | 16 Sep 2025 21:05 | JC\MD    | Ok       |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN091625**

| Review By                                                                                          | John Carlone      | Review On         | 9/17/2025 8:23:11 AM              |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Mahesh Dadoda     | Supervise On      | 9/18/2025 3:21:51 PM              |
| SubDirectory                                                                                       | VN091625          | HP Acquire Method | HP Processing Method 82N082125W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135496          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135497,VP135498 |                   |                                   |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | VSTDCCC050 | VN087867.D | 16 Sep 2025 21:26 | JC\MD | Not Ok |
|----|------------|------------|-------------------|-------|--------|

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN082125**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | John Carlone  | Review On         | 8/22/2025 9:17:52 AM              |
| Supervise By | Maresh Dadoda | Supervise On      | 8/25/2025 8:11:38 AM              |
| SubDirectory | VN082125      | HP Acquire Method | HP Processing Method 82N082125W.M |

| STD. NAME                                                                                                                                         | STD REF.#                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds<br><br>CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135214<br>VP135215,VP135216,VP135217,VP135218,VP135219,VP135220<br><br><br><br><br>VP135221 |

| Sr# | SampleID     | ClientID     | Data File Name | Date-Time         | Comment                              | Operator | Status |
|-----|--------------|--------------|----------------|-------------------|--------------------------------------|----------|--------|
| 1   | BFB          | BFB          | VN087614.D     | 21 Aug 2025 09:30 |                                      | JC\MD    | Ok     |
| 2   | VSTDCCC020   | VSTDCCC020   | VN087615.D     | 21 Aug 2025 10:04 | Need ICAL                            | JC\MD    | Not Ok |
| 3   | VN0821WBS01  | VN0821WBS01  | VN087616.D     | 21 Aug 2025 10:37 |                                      | JC\MD    | Not Ok |
| 4   | VN0821WBSD01 | VN0821WBSD01 | VN087617.D     | 21 Aug 2025 11:11 |                                      | JC\MD    | Not Ok |
| 5   | VN0821WBL01  | VN0821WBL01  | VN087618.D     | 21 Aug 2025 11:36 |                                      | JC\MD    | Not Ok |
| 6   | VSTDICC001   | VSTDICC001   | VN087619.D     | 21 Aug 2025 12:09 | LR-10,20                             | JC\MD    | Ok,M   |
| 7   | VSTDICC005   | VSTDICC005   | VN087620.D     | 21 Aug 2025 13:08 |                                      | JC\MD    | Ok,M   |
| 8   | VSTDICC020   | VSTDICC020   | VN087621.D     | 21 Aug 2025 13:41 | method not used for #N-amyle Acetate | JC\MD    | Ok,M   |
| 9   | VSTDICCC050  | VSTDICCC050  | VN087622.D     | 21 Aug 2025 14:02 |                                      | JC\MD    | Ok,M   |
| 10  | VSTDICC100   | VSTDICC100   | VN087623.D     | 21 Aug 2025 14:23 |                                      | JC\MD    | Ok,M   |
| 11  | VSTDICC150   | VSTDICC150   | VN087624.D     | 21 Aug 2025 14:44 |                                      | JC\MD    | Ok,M   |
| 12  | IBLK         | IBLK         | VN087625.D     | 21 Aug 2025 15:05 |                                      | JC\MD    | Ok     |
| 13  | VSTDICV050   | ICVVN082125  | VN087626.D     | 21 Aug 2025 15:47 | Icv Failed for Com.# 64 for DOD      | JC\MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN091625**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | John Carlone  | Review On         | 9/17/2025 8:23:11 AM              |
| Supervise By | Mahesh Dadoda | Supervise On      | 9/18/2025 3:21:51 PM              |
| SubDirectory | VN091625      | HP Acquire Method | HP Processing Method 82N082125W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135496          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135497,VP135498 |

| Sr# | SampleID     | ClientID          | Data File Name | Date-Time         | Comment                      | Operator | Status   |
|-----|--------------|-------------------|----------------|-------------------|------------------------------|----------|----------|
| 1   | BFB          | BFB               | VN087846.D     | 16 Sep 2025 11:25 |                              | JC\MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050        | VN087847.D     | 16 Sep 2025 13:55 | pH#Lot#V12668                | JC\MD    | Ok,M     |
| 3   | VN0916MBL01  | VN0916MBL01       | VN087848.D     | 16 Sep 2025 14:43 |                              | JC\MD    | Ok       |
| 4   | VN0916WBL01  | VN0916WBL01       | VN087849.D     | 16 Sep 2025 15:04 |                              | JC\MD    | Ok       |
| 5   | VN0916WBS01  | VN0916WBS01       | VN087850.D     | 16 Sep 2025 15:25 | BS Failed Low For Com.#80,81 | JC\MD    | Ok,M     |
| 6   | VN0916WBSD01 | VN0916WBSD01      | VN087851.D     | 16 Sep 2025 15:46 | BSD Failed Low For Comp.#23  | JC\MD    | Ok,M     |
| 7   | Q3103-01     | TW-WTS-14         | VN087852.D     | 16 Sep 2025 16:08 | vial A pH<2                  | JC\MD    | Ok       |
| 8   | Q3108-01     | MW2               | VN087853.D     | 16 Sep 2025 16:29 | vial A pH<2                  | JC\MD    | Ok,M     |
| 9   | Q3109-01     | MW1D              | VN087854.D     | 16 Sep 2025 16:50 | vial A pH<2                  | JC\MD    | Ok       |
| 10  | Q3109-02     | MW1               | VN087855.D     | 16 Sep 2025 17:11 | vial A pH<2 Need 20X         | JC\MD    | Dilution |
| 11  | VN0916MBS01  | VN0916MBS01       | VN087856.D     | 16 Sep 2025 17:32 |                              | JC\MD    | Ok,M     |
| 12  | VN0916MBSD01 | VN0916MBSD01      | VN087857.D     | 16 Sep 2025 17:54 |                              | JC\MD    | Ok,M     |
| 13  | Q3077-01     | LAW-25-0137       | VN087858.D     | 16 Sep 2025 18:15 | cloth material               | JC\MD    | Ok       |
| 14  | Q3021-01     | 821-B             | VN087859.D     | 16 Sep 2025 18:36 | sample is oil                | JC\MD    | Ok       |
| 15  | Q3021-03     | 821-D             | VN087860.D     | 16 Sep 2025 18:58 | sample is oil                | JC\MD    | Ok       |
| 16  | Q3021-05     | 821-I             | VN087861.D     | 16 Sep 2025 19:19 | sample is oil                | JC\MD    | Ok       |
| 17  | IBLK         | IBLK              | VN087862.D     | 16 Sep 2025 19:40 |                              | JC\MD    | Ok       |
| 18  | Q3087-01     | STORAGE-BLANK-SAI | VN087863.D     | 16 Sep 2025 20:01 | vial A pH<2                  | JC\MD    | Ok       |

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN091625**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 9/17/2025 8:23:11 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 9/18/2025 3:21:51 PM              |
| SubDirectory                                                                                       | VN091625          | HP Acquire Method | HP Processing Method 82N082125W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135496          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135497,VP135498 |                   |                                   |

|    |            |                   |            |                   |             |       |        |
|----|------------|-------------------|------------|-------------------|-------------|-------|--------|
| 19 | Q3087-02   | STORAGE-BLANK-WA  | VN087864.D | 16 Sep 2025 20:22 | vial A pH<2 | JC\MD | Ok     |
| 20 | Q3087-03   | STORAGE-BLANK-WA  | VN087865.D | 16 Sep 2025 20:43 | vial A pH<2 | JC\MD | Ok     |
| 21 | Q3087-04   | STORAGE-BLANK-SAI | VN087866.D | 16 Sep 2025 21:05 | vial A pH<2 | JC\MD | Ok     |
| 22 | VSTDCCC050 | VSTDCCC050EC      | VN087867.D | 16 Sep 2025 21:26 | Low Spike   | JC\MD | Not Ok |

M : Manual Integration



# PERCENT SOLID

Supervisor: Iwona  
Analyst: JIGNESH  
Date: 9/15/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:10  
In Date: 09/12/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:37  
Out Date: 09/13/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137178

| Lab ID   | Client SampleID       | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments    |
|----------|-----------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-------------|
| Q3021-01 | 821-B                 | 1      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3021-03 | 821-D                 | 2      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3021-05 | 821-I                 | 3      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oil sample  |
| Q3087-05 | SVOC-GPC-BLANK        | 4      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   |             |
| Q3087-06 | PEST-GPC-BLANK        | 5      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   |             |
| Q3087-07 | PEST-GPC-BLANK-SPIKE  | 6      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   |             |
| Q3087-08 | SVOC-GPC2-BLANK       | 7      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   |             |
| Q3087-09 | PEST-GPC2-BLANK       | 8      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   |             |
| Q3087-10 | PEST-GPC2-BLANK-SPIKE | 9      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   |             |
| Q3088-01 | 90525-A-I-COMP        | 10     | 1.11           | 10.75        | 11.86                   | 10.77                     | 89.9    |             |
| Q3089-01 | 90825-A               | 11     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | WIPE SAMPLE |
| Q3091-01 | 12/9C-COMP            | 12     | 1.18           | 10.22        | 11.4                    | 10.82                     | 94.3    |             |
| Q3091-02 | 12/9C-EPH1            | 13     | 1.16           | 10.14        | 11.3                    | 10.88                     | 95.9    |             |
| Q3091-03 | 12/9C-EPH2            | 14     | 1.18           | 11.27        | 12.45                   | 12.00                     | 96.0    |             |
| Q3091-04 | 12/9C-EPH3            | 15     | 1.18           | 10.42        | 11.6                    | 11.23                     | 96.4    |             |
| Q3091-05 | 12/9C-EPH4            | 16     | 1.16           | 10.18        | 11.34                   | 10.47                     | 91.5    |             |
| Q3091-06 | 12/9C-EPH5            | 17     | 1.19           | 10.49        | 11.68                   | 11.24                     | 95.8    |             |
| Q3091-08 | 12/9B-COMP            | 18     | 1.15           | 10.52        | 11.67                   | 10.94                     | 93.1    |             |
| Q3091-09 | 12/9B-EPH1            | 19     | 1.16           | 10.47        | 11.63                   | 10.48                     | 89.0    |             |
| Q3091-10 | 12/9B-EPH2            | 20     | 1.13           | 10.45        | 11.58                   | 11.02                     | 94.6    |             |
| Q3091-11 | 12/9B-EPH3            | 21     | 1.12           | 11.29        | 12.41                   | 11.88                     | 95.3    |             |
| Q3091-12 | 12/9B-EPH4            | 22     | 1.12           | 10.57        | 11.69                   | 11.11                     | 94.5    |             |
| Q3091-13 | 12/9B-EPH5            | 23     | 1.17           | 10.27        | 11.44                   | 11.02                     | 95.9    |             |

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

# WORKLIST(Hardcopy Internal Chain)

13-1-28

WorkList Name : %1-091225 WorkList ID : 191843

Department : Wet-Chemistry

Date : 09-12-2025 09:24:28

| Sample   | Customer Sample        | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|------------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3021-01 | 821-B                  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | F31                         | 09/04/2025   | Chemtech -SO |
| Q3021-03 | 821-D                  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | F31                         | 09/04/2025   | Chemtech -SO |
| Q3021-05 | 821-I                  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | F31                         | 09/04/2025   | Chemtech -SO |
| Q3087-05 | SVOC-GPC-BLANK         | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D31                         | 09/05/2025   | Chemtech -SO |
| Q3087-06 | PEST-GPC-BLANK         | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D31                         | 09/05/2025   | Chemtech -SO |
| Q3087-07 | PEST-GPC-BLANK-SPIKE   | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D31                         | 09/05/2025   | Chemtech -SO |
| Q3087-08 | SVOC-GPC2-BLANK        | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D31                         | 09/05/2025   | Chemtech -SO |
| Q3087-09 | PEST-GPC2-BLANK        | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D31                         | 09/05/2025   | Chemtech -SO |
| Q3087-10 | PEST -GPC2-BLANK-SPIKE | Solid  | Percent Solids | Cool 4 deg C | CHEM02   | D31                         | 09/05/2025   | Chemtech -SO |
| Q3088-01 | 90525-A-1-COMP         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3089-01 | 90825-A                | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 09/12/2025   | Chemtech -SO |
| Q3091-01 | 12/9C-COMP             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-02 | 12/9C-EPH1             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-03 | 12/9C-EPH2             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-04 | 12/9C-EPH3             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-05 | 12/9C-EPH4             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-06 | 12/9C-EPH5             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-08 | 12/9B-COMP             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-09 | 12/9B-EPH1             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-10 | 12/9B-EPH2             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-11 | 12/9B-EPH3             | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |

Date/Time 09-12-25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 09-12-25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

# WORKLIST(Hardcopy Internal Chain)

17137178

WorkList Name : %1-091225      WorkList ID : 191843      Department : Wet-Chemistry      Date : 09-12-2025 09:24:28

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3091-12 | 12/9B-EPH4      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |
| Q3091-13 | 12/9B-EPH5      | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 09/12/2025   | Chemtech -SO |

Date/Time 09.12.25 15:00  
 Raw Sample Received by: [Signature]  
 Raw Sample Relinquished by: [Signature]

Date/Time 09.12.25 17:20  
 Raw Sample Received by: [Signature]  
 Raw Sample Relinquished by: [Signature]



# SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax: (908) 78-8922  
www.chemtech.net

Alliance Project Number:

Q3087

CHAIN OF CUSTODY RECORD

COC Number:

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

COMPANY: Alliance Technical Group  
ADDRESS: 284 Sheffield Street  
CITY Mountainside STATE: NJ ZIP: 07092  
ATTENTION: QA Officer  
PHO: 908-789-8900 FAX: 908-788-9222

PROJECT NAME: Weekly Storage Blanks  
PROJECT #: LOCATION:  
PROJECT MANAGER:  
E-MAIL:  
PHONE: FAX:

BILL TO: Same PO#  
ADDRESS:  
CITY: STATE: ZIP:  
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

FAX: 10 DAYS\*  
HARD COPY: 10 DAYS\*  
EDD  
\* TO BE APPROVED BY ALLIANCE  
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

☐ RESULTS ONLY (L1) ☐ US EPA CLP (L4)  
☐ RESULTS + QC (L2) ☐ NYS ASP "A" (L2)  
☐ NJ REDUCED (L3) ☐ NYS ASP "B" (L4)  
☐ NJ FULL (L4) ☐ Other \_\_\_\_\_  
☐ EDD Format \_\_\_\_\_

|                  |                   |               |     |   |   |   |   |   |  |
|------------------|-------------------|---------------|-----|---|---|---|---|---|--|
| VOC-Drinking H2O | SVOC-Full+25-8270 | PESTICIDE-TCL | PCB |   |   |   |   |   |  |
| 1                | 2                 | 3             | 4   | 5 | 6 | 7 | 8 | 9 |  |

PRESERVATIVES

COMMENTS

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # of Bottles |     |   |   |   |   |   |   |   |   | ← Specify Preservatives<br>A-HCl    B-HNO3<br>C-H2SO4    D-NaOH<br>E-ICE    F-Other |  |  |  |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|-----|---|---|---|---|---|---|---|---|-------------------------------------------------------------------------------------|--|--|--|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | A/E |   |   |   |   |   |   |   |   |                                                                                     |  |  |  |
|                          |                                  |                  |                |      |                      |      |              | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |                                                                                     |  |  |  |
| 1.                       | Storage-Blank-SOIL-REF-6         | AQ               |                | X    |                      |      | 2            | X   |   |   |   |   |   |   |   |   |                                                                                     |  |  |  |
| 2.                       | Storage-Blank-WATER-REF-5        | AQ               |                | X    |                      |      | 2            | X   |   |   |   |   |   |   |   |   |                                                                                     |  |  |  |
| 3.                       | Storage-Blank-WATER-REF-4        | AQ               |                | X    |                      |      | 2            | X   |   |   |   |   |   |   |   |   |                                                                                     |  |  |  |
| 4.                       | Storage-Blank-SAMPLE-MANAGEMENT  | AQ               |                | X    |                      |      | 2            | X   |   |   |   |   |   |   |   |   |                                                                                     |  |  |  |
| 5.                       | SVOC-GPC-BLANK                   | SO               |                | X    |                      |      | 1            |     | X |   |   |   |   |   |   |   |                                                                                     |  |  |  |
| 6.                       | PEST-GPC-BLANK                   | SO               |                | X    |                      |      | 1            |     |   | X |   |   |   |   |   |   |                                                                                     |  |  |  |
| 7.                       | PEST-GPC-BLANK-SPIKE             | SO               |                | X    |                      |      | 1            |     |   | X |   |   |   |   |   |   |                                                                                     |  |  |  |
| 8.                       | PCB-GPC-BLANK                    | SO               |                | X    |                      |      | 1            |     |   |   | X |   |   |   |   |   |                                                                                     |  |  |  |
| 9.                       | PCB-GPC-BLANK-SPIKE              | SO               |                | X    |                      |      | 1            |     |   |   | X |   |   |   |   |   |                                                                                     |  |  |  |
| 10.                      | SVOC-GPC2-BLANK                  | SO               |                | X    |                      |      | 1            |     | X |   |   |   |   |   |   |   |                                                                                     |  |  |  |

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

|                         |           |                     |                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                               |
|-------------------------|-----------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY         | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp _____<br>MeOH extraction requires an additional 4oz. Jar for percent solid<br>Comments: | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight<br>ALLIANCE: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight | Shipment Complete<br><input type="checkbox"/> YES <input type="checkbox"/> NO |
| 1. <i>Sam</i>           | 09/12/25  | 9:12                |                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                               |
| RELINQUISHED BY         | DATE/TIME | RECEIVED BY         |                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                               |
| 2.                      |           | 2.                  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                               |
| RELINQUISHED BY         | DATE/TIME | RECEIVED FOR LAB BY |                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                               |
| 3.                      |           | 3.                  |                                                                                                                                                                                                                                                     |                                                                                                                                                                                    |                                                                               |

Page 1 of 2

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



284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 Fax: (908) 78-8922  
www.chemtech.net

Alliance Project Number:

Q3087

### CHAIN OF CUSTODY RECORD

COC Number:

| CLIENT INFORMATION                                                                                     |                                  |                  | PROJECT INFORMATION                                                                  |      |                                                                                                                                                                                                                                                                                       |      | BILLING INFORMATION                                                                                                                                                                                                                                                                                                                    |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------|----------------------------------|------------------|--------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---|---|---|-------------|---|---|-------------------------------------------------------------------------------|---|----------|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|
| COMPANY: Alliance Technical Group                                                                      |                                  |                  | PROJECT NAME: Weekly Storage Blanks                                                  |      |                                                                                                                                                                                                                                                                                       |      | BILL TO: Same                                                                                                                                                                                                                                                                                                                          |               |   |   |   | PO#         |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| ADDRESS: 284 Sheffield Street                                                                          |                                  |                  | PROJECT #:                                                                           |      | LOCATION:                                                                                                                                                                                                                                                                             |      | ADDRESS:                                                                                                                                                                                                                                                                                                                               |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| CITY: Mountainside STATE: NJ ZIP: 07092                                                                |                                  |                  | PROJECT MANAGER:                                                                     |      |                                                                                                                                                                                                                                                                                       |      | CITY:                                                                                                                                                                                                                                                                                                                                  |               |   |   |   | STATE: ZIP: |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| ATTENTION: QA Officer                                                                                  |                                  |                  | E-MAIL:                                                                              |      |                                                                                                                                                                                                                                                                                       |      | ATTENTION:                                                                                                                                                                                                                                                                                                                             |               |   |   |   | PHONE:      |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| PHONE: 908-789-8900 FAX: 908-788-9222                                                                  |                                  |                  | PHONE:                                                                               |      |                                                                                                                                                                                                                                                                                       |      | FAX:                                                                                                                                                                                                                                                                                                                                   |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| DATA TURNAROUND INFORMATION                                                                            |                                  |                  | DATA DELIVERABLE INFORMATION                                                         |      |                                                                                                                                                                                                                                                                                       |      | ANALYSIS                                                                                                                                                                                                                                                                                                                               |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| FAX: _____ 10 _____ DAYS*                                                                              |                                  |                  | <input type="checkbox"/> RESULTS ONLY (L1) <input type="checkbox"/> US EPA CLP (L4)  |      |                                                                                                                                                                                                                                                                                       |      | <div>VOC-Drinking H2O<br/>SVOC-Full+25-<br/>8270<br/>PESTICIDE-TCL<br/>PCB</div> <table border="1"><thead><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th><th>6</th><th>7</th><th>8</th><th>9</th></tr></thead><tbody><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> |               |   |   |   |             |   |   |                                                                               |   | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  |  |  |  |  |  |  |  |  |
| 1                                                                                                      | 2                                | 3                | 4                                                                                    | 5    | 6                                                                                                                                                                                                                                                                                     | 7    |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   | 8        | 9 |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
|                                                                                                        |                                  |                  |                                                                                      |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| HARD COPY: _____ 10 _____ DAYS*                                                                        |                                  |                  | <input type="checkbox"/> RESULTS + QC (L2) <input type="checkbox"/> NYS ASP "A" (L2) |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| EDD _____ DAYS*                                                                                        |                                  |                  | <input type="checkbox"/> NJ REDUCED (L3) <input type="checkbox"/> NYS ASP "B" (L4)   |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| * TO BE APPROVED BY ALLIANCE                                                                           |                                  |                  | <input type="checkbox"/> NJ FULL (L4) <input type="checkbox"/> Other _____           |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS                                                           |                                  |                  | <input type="checkbox"/> EDD Format _____                                            |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 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           | 1 | 2 | 3 | 4           | 5 | 6 | 7                                                                             | 8 |          | 9 |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 1.                                                                                                     | PEST-GPC2-BLANK                  | SO               |                                                                                      | X    |                                                                                                                                                                                                                                                                                       |      | 1                                                                                                                                                                                                                                                                                                                                      |               |   |   | X |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 2.                                                                                                     | PEST-GPC2-BLANK-SPIKE            | SO               |                                                                                      | X    |                                                                                                                                                                                                                                                                                       |      | 1                                                                                                                                                                                                                                                                                                                                      |               |   |   | X |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 3.                                                                                                     | PCB-GPC2-BLANK                   | SO               |                                                                                      | X    |                                                                                                                                                                                                                                                                                       |      | 1                                                                                                                                                                                                                                                                                                                                      |               |   |   | X |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 4.                                                                                                     | PCB-GPC2-BLANK-SPIKE             | SO               |                                                                                      | X    |                                                                                                                                                                                                                                                                                       |      | 1                                                                                                                                                                                                                                                                                                                                      |               |   |   | 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        | RECEIVED BY                                                                          |      | Conditions of bottles or coolers at receipt: <input type="checkbox"/> Compliant <input type="checkbox"/> Non Compliant <input type="checkbox"/> Cooler Temp _____<br>MeOH extraction requires an additional 4oz. Jar for percent solid <input type="checkbox"/> Ice in Cooler?: _____ |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 1. Sam                                                                                                 |                                  | 09/14/15 9:15    |                                                                                      |      | Comments:                                                                                                                                                                                                                                                                             |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| RELINQUISHED BY                                                                                        |                                  | DATE/TIME        | RECEIVED BY                                                                          |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 2.                                                                                                     |                                  |                  | 2.                                                                                   |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| RELINQUISHED BY                                                                                        |                                  | DATE/TIME        | RECEIVED FOR LAB BY                                                                  |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| 3.                                                                                                     |                                  |                  | 3.                                                                                   |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| Page 2 of 2                                                                                            |                                  |                  |                                                                                      |      | SHIPPED VIA: CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Overnight<br>ALLIANCE: <input type="checkbox"/> Picked Up <input type="checkbox"/> Overnight                                                                                                    |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   | Shipment Complete<br><input type="checkbox"/> YES <input type="checkbox"/> NO |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |
| WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY                  |                                  |                  |                                                                                      |      |                                                                                                                                                                                                                                                                                       |      |                                                                                                                                                                                                                                                                                                                                        |               |   |   |   |             |   |   |                                                                               |   |          |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |  |  |

### Laboratory Certification

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