

## 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> Q3495                        | <b>OrderDate:</b> 10/30/2025 10:45:41 AM                |
| <b>Client:</b> Remington & Vernick Engineers | <b>Project:</b> Maclearie Park                          |
| <b>Contact:</b> Kyle Carlson                 | <b>Location:</b> D51,VOA Ref. #2 Soil,VOA Ref. #3 Water |

| LabID      | ClientID    | Matrix | Test          | Method   | Sample Date | Prep Date | Anal Date | Received |
|------------|-------------|--------|---------------|----------|-------------|-----------|-----------|----------|
| Q3495-02   | SB-1025-2   | SOIL   | VOC-TCLVOA-10 | 8260D    | 10/27/25    |           | 10/30/25  | 10/29/25 |
| Q3495-03   | TW-1025-1   | Water  | VOC-TCLVOA-10 | 8260-Low | 10/27/25    |           | 10/31/25  | 10/29/25 |
| Q3495-03RE | TW-1025-1RE | Water  | VOC-TCLVOA-10 | 8260-Low | 10/27/25    |           | 11/03/25  | 10/29/25 |
| Q3495-04   | TB          | Water  | VOC-TCLVOA-10 | 8260-Low | 10/24/25    |           | 11/03/25  | 10/29/25 |

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

**SDG No.:** Q3495

**Client:** Remington & Vernick Engineers

| Sample ID         | Client ID          | Matrix | Parameter                   | Concentration | C | MDL  | RDL  | Units |
|-------------------|--------------------|--------|-----------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b> | <b>TW-1025-1</b>   |        |                             |               |   |      |      |       |
| Q3495-03          | TW-1025-1          | Water  | Acetone                     | 4.70          | J | 1.50 | 5.00 | ug/L  |
| Q3495-03          | TW-1025-1          | Water  | Methyl tert-butyl Ether     | 2.60          |   | 0.16 | 1.00 | ug/L  |
|                   |                    |        | <b>Total Voc :</b>          | <b>7.30</b>   |   |      |      |       |
|                   |                    |        | <b>Total Concentration:</b> | <b>7.30</b>   |   |      |      |       |
| <b>Client ID:</b> | <b>TW-1025-1RE</b> |        |                             |               |   |      |      |       |
| Q3495-03RE        | TW-1025-1RE        | Water  | Acetone                     | 3.00          | J | 1.50 | 5.00 | ug/L  |
| Q3495-03RE        | TW-1025-1RE        | Water  | Methyl tert-butyl Ether     | 1.90          |   | 0.16 | 1.00 | ug/L  |
|                   |                    |        | <b>Total Voc :</b>          | <b>4.90</b>   |   |      |      |       |
|                   |                    |        | <b>Total Concentration:</b> | <b>4.90</b>   |   |      |      |       |



# QC SUMMARY

## Surrogate Summary

SDG No.: Q3495

Client: Remington & Vernick Engineers

Analytical Method: SW8260D

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |              |                       |       |        |              |      | Low        | High |
| Q3495-02      | SB-1025-2    | 1,2-Dichloroethane-d4 | 50    | 52.9   | 106          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 50.3   | 101          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 49.4   | 99           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 42.4   | 85           |      | 17         | 146  |
| VY1030SBL01   | VY1030SBL01  | 1,2-Dichloroethane-d4 | 50    | 55.9   | 112          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 51.7   | 103          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 49.6   | 99           |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 41.4   | 83           |      | 17         | 146  |
| VY1030SBS01   | VY1030SBS01  | 1,2-Dichloroethane-d4 | 50    | 48.8   | 98           |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 51.5   | 103          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 50.4   | 101          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 49.9   | 100          |      | 17         | 146  |
| VY1030SBSD01  | VY1030SBSD01 | 1,2-Dichloroethane-d4 | 50    | 52.8   | 106          |      | 63         | 155  |
|               |              | Dibromofluoromethane  | 50    | 54.1   | 108          |      | 70         | 134  |
|               |              | Toluene-d8            | 50    | 53.1   | 106          |      | 74         | 123  |
|               |              | 4-Bromofluorobenzene  | 50    | 51.9   | 104          |      | 17         | 146  |

## Surrogate Summary

SDG No.: Q3495

Client: Remington & Vernick Engineers

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|--------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |              |                       |       |        |              |      | Low        | High |
| Q3495-03      | TW-1025-1    | 1,2-Dichloroethane-d4 | 50    | 60.4   | 121          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 57.3   | 115          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 48.1   | 96           |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 58.2   | 116          |      | 77         | 121  |
| Q3495-03RE    | TW-1025-1RE  | 1,2-Dichloroethane-d4 | 50    | 47.8   | 96           |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 51.0   | 102          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 38.7   | 77           | *    | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 39.4   | 79           |      | 77         | 121  |
| Q3495-04      | TB           | 1,2-Dichloroethane-d4 | 50    | 46.4   | 93           |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 58.9   | 118          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 43.2   | 86           |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 43.5   | 87           |      | 77         | 121  |
| VX1031WBL01   | VX1031WBL01  | 1,2-Dichloroethane-d4 | 50    | 53.9   | 108          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 50.6   | 101          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 48.6   | 97           |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 57.6   | 115          |      | 77         | 121  |
| VX1031WBS01   | VX1031WBS01  | 1,2-Dichloroethane-d4 | 50    | 57.7   | 115          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 53.7   | 107          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 52.9   | 106          |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 54.8   | 110          |      | 77         | 121  |
| VX1031WBSD0   | VX1031WBSD01 | 1,2-Dichloroethane-d4 | 50    | 52.5   | 105          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 51.3   | 103          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 50.8   | 102          |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 50.7   | 101          |      | 77         | 121  |
| VX1103WBL01   | VX1103WBL01  | 1,2-Dichloroethane-d4 | 50    | 52.7   | 105          |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 59.8   | 120          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 45.5   | 91           |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 48.3   | 97           |      | 77         | 121  |
| VX1103WBS01   | VX1103WBS01  | 1,2-Dichloroethane-d4 | 50    | 49.1   | 98           |      | 74         | 125  |
|               |              | Dibromofluoromethane  | 50    | 50.7   | 101          |      | 75         | 124  |
|               |              | Toluene-d8            | 50    | 43.8   | 88           |      | 86         | 113  |
|               |              | 4-Bromofluorobenzene  | 50    | 43.5   | 87           |      | 77         | 121  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                          |                    |                   |
|----------|------------------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3495</u>                             | Analytical Method: | <u>SW8260-Low</u> |
| Client:  | <u>Remington &amp; Vernick Engineers</u> | Datafile :         | <u>VX048419.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1031WBS01   | Dichlorodifluoromethane        | 20    | 17.0   | ug/L | 85  |     |      | 69  | 116            |     |
|               | Chloromethane                  | 20    | 18.1   | ug/L | 91  |     |      | 65  | 116            |     |
|               | Vinyl chloride                 | 20    | 17.4   | ug/L | 87  |     |      | 65  | 117            |     |
|               | Bromomethane                   | 20    | 20.4   | ug/L | 102 |     |      | 58  | 125            |     |
|               | Chloroethane                   | 20    | 17.7   | ug/L | 89  |     |      | 56  | 128            |     |
|               | Trichlorofluoromethane         | 20    | 17.5   | ug/L | 88  |     |      | 73  | 115            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 17.7   | ug/L | 89  |     |      | 80  | 112            |     |
|               | 1,1-Dichloroethene             | 20    | 17.7   | ug/L | 89  |     |      | 74  | 110            |     |
|               | Acetone                        | 100   | 90.6   | ug/L | 91  |     |      | 60  | 125            |     |
|               | Carbon disulfide               | 20    | 17.8   | ug/L | 89  |     |      | 64  | 112            |     |
|               | Methyl tert-butyl Ether        | 20    | 18.4   | ug/L | 92  |     |      | 78  | 114            |     |
|               | Methyl Acetate                 | 20    | 16.6   | ug/L | 83  |     |      | 67  | 125            |     |
|               | Methylene Chloride             | 20    | 18.5   | ug/L | 93  |     |      | 72  | 114            |     |
|               | trans-1,2-Dichloroethene       | 20    | 17.9   | ug/L | 90  |     |      | 75  | 108            |     |
|               | 1,1-Dichloroethane             | 20    | 18.2   | ug/L | 91  |     |      | 78  | 112            |     |
|               | Cyclohexane                    | 20    | 17.7   | ug/L | 89  |     |      | 75  | 110            |     |
|               | 2-Butanone                     | 100   | 92.3   | ug/L | 92  |     |      | 65  | 122            |     |
|               | Carbon Tetrachloride           | 20    | 16.9   | ug/L | 85  |     |      | 77  | 113            |     |
|               | cis-1,2-Dichloroethene         | 20    | 17.8   | ug/L | 89  |     |      | 77  | 110            |     |
|               | Bromochloromethane             | 20    | 15.3   | ug/L | 77  |     |      | 70  | 124            |     |
|               | Chloroform                     | 20    | 18.2   | ug/L | 91  |     |      | 79  | 113            |     |
|               | 1,1,1-Trichloroethane          | 20    | 18.0   | ug/L | 90  |     |      | 80  | 108            |     |
|               | Methylcyclohexane              | 20    | 16.2   | ug/L | 81  |     |      | 72  | 115            |     |
|               | Benzene                        | 20    | 17.7   | ug/L | 89  |     |      | 82  | 109            |     |
|               | 1,2-Dichloroethane             | 20    | 18.2   | ug/L | 91  |     |      | 80  | 115            |     |
|               | Trichloroethene                | 20    | 17.4   | ug/L | 87  |     |      | 77  | 113            |     |
|               | 1,2-Dichloropropane            | 20    | 17.8   | ug/L | 89  |     |      | 83  | 111            |     |
|               | Bromodichloromethane           | 20    | 18.3   | ug/L | 92  |     |      | 83  | 110            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 90.4   | ug/L | 90  |     |      | 74  | 118            |     |
|               | Toluene                        | 20    | 17.8   | ug/L | 89  |     |      | 82  | 110            |     |
|               | t-1,3-Dichloropropene          | 20    | 18.8   | ug/L | 94  |     |      | 79  | 110            |     |
|               | cis-1,3-Dichloropropene        | 20    | 18.7   | ug/L | 94  |     |      | 82  | 110            |     |
|               | 1,1,2-Trichloroethane          | 20    | 17.9   | ug/L | 90  |     |      | 83  | 112            |     |
|               | 2-Hexanone                     | 100   | 88.8   | ug/L | 89  |     |      | 73  | 117            |     |
|               | Dibromochloromethane           | 20    | 17.9   | ug/L | 90  |     |      | 82  | 110            |     |
|               | 1,2-Dibromoethane              | 20    | 17.9   | ug/L | 90  |     |      | 81  | 110            |     |
|               | Tetrachloroethene              | 20    | 16.1   | ug/L | 81  |     |      | 67  | 123            |     |
|               | Chlorobenzene                  | 20    | 16.8   | ug/L | 84  |     |      | 82  | 109            |     |
|               | Ethyl Benzene                  | 20    | 16.8   | ug/L | 84  |     |      | 83  | 109            |     |
|               | m/p-Xylenes                    | 40    | 34.2   | ug/L | 86  |     |      | 82  | 110            |     |
|               | o-Xylene                       | 20    | 17.0   | ug/L | 85  |     |      | 83  | 109            |     |
|               | Styrene                        | 20    | 17.1   | ug/L | 86  |     |      | 80  | 111            |     |
|               | Bromoform                      | 20    | 17.1   | ug/L | 86  |     |      | 79  | 109            |     |
|               | Isopropylbenzene               | 20    | 16.5   | ug/L | 83  |     |      | 83  | 112            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 16.8   | ug/L | 84  |     |      | 76  | 118            |     |
|               | 1,3-Dichlorobenzene            | 20    | 16.1   | ug/L | 81  |     | *    | 82  | 108            |     |
|               | 1,4-Dichlorobenzene            | 20    | 16.1   | ug/L | 81  |     | *    | 82  | 107            |     |
|               | 1,2-Dichlorobenzene            | 20    | 16.6   | ug/L | 83  |     |      | 82  | 109            |     |

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

**SW-846**

|                 |                                          |                           |                   |
|-----------------|------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3495</u>                             | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>Remington &amp; Vernick Engineers</u> | <b>Datafile :</b>         | <u>VX048419.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VX1031WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 16.4   | ug/L | 82  |     |      | 68  | 112    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 16.2   | ug/L | 81  |     |      | 75  | 113    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 16.1   | ug/L | 81  |     |      | 76  | 114    |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                          |                    |                   |
|----------|------------------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3495</u>                             | Analytical Method: | <u>SW8260-Low</u> |
| Client:  | <u>Remington &amp; Vernick Engineers</u> | Datafile :         | <u>VX048420.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1031WBSD01  | Dichlorodifluoromethane        | 20    | 18.5   | ug/L | 93  | 9   |      | 69  | 116            | 19  |
|               | Chloromethane                  | 20    | 19.4   | ug/L | 97  | 6   |      | 65  | 116            | 21  |
|               | Vinyl chloride                 | 20    | 18.2   | ug/L | 91  | 4   |      | 65  | 117            | 19  |
|               | Bromomethane                   | 20    | 21.1   | ug/L | 106 | 4   |      | 58  | 125            | 20  |
|               | Chloroethane                   | 20    | 17.8   | ug/L | 89  | 0   |      | 56  | 128            | 20  |
|               | Trichlorofluoromethane         | 20    | 18.4   | ug/L | 92  | 4   |      | 73  | 115            | 16  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 19.1   | ug/L | 96  | 8   |      | 80  | 112            | 15  |
|               | 1,1-Dichloroethene             | 20    | 18.5   | ug/L | 93  | 4   |      | 74  | 110            | 20  |
|               | Acetone                        | 100   | 95.9   | ug/L | 96  | 5   |      | 60  | 125            | 20  |
|               | Carbon disulfide               | 20    | 18.6   | ug/L | 93  | 4   |      | 64  | 112            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 18.9   | ug/L | 95  | 3   |      | 78  | 114            | 20  |
|               | Methyl Acetate                 | 20    | 17.7   | ug/L | 89  | 7   |      | 67  | 125            | 20  |
|               | Methylene Chloride             | 20    | 18.8   | ug/L | 94  | 1   |      | 72  | 114            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 18.6   | ug/L | 93  | 3   |      | 75  | 108            | 16  |
|               | 1,1-Dichloroethane             | 20    | 18.8   | ug/L | 94  | 3   |      | 78  | 112            | 20  |
|               | Cyclohexane                    | 20    | 19.2   | ug/L | 96  | 8   |      | 75  | 110            | 20  |
|               | 2-Butanone                     | 100   | 99.3   | ug/L | 99  | 7   |      | 65  | 122            | 26  |
|               | Carbon Tetrachloride           | 20    | 18.4   | ug/L | 92  | 8   |      | 77  | 113            | 15  |
|               | cis-1,2-Dichloroethene         | 20    | 18.6   | ug/L | 93  | 4   |      | 77  | 110            | 20  |
|               | Bromochloromethane             | 20    | 15.7   | ug/L | 79  | 3   |      | 70  | 124            | 20  |
|               | Chloroform                     | 20    | 19.2   | ug/L | 96  | 5   |      | 79  | 113            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 18.9   | ug/L | 95  | 5   |      | 80  | 108            | 20  |
|               | Methylcyclohexane              | 20    | 18.6   | ug/L | 93  | 14  |      | 72  | 115            | 20  |
|               | Benzene                        | 20    | 19.1   | ug/L | 96  | 8   |      | 82  | 109            | 15  |
|               | 1,2-Dichloroethane             | 20    | 18.8   | ug/L | 94  | 3   |      | 80  | 115            | 20  |
|               | Trichloroethene                | 20    | 18.6   | ug/L | 93  | 7   |      | 77  | 113            | 15  |
|               | 1,2-Dichloropropane            | 20    | 18.9   | ug/L | 95  | 7   |      | 83  | 111            | 16  |
|               | Bromodichloromethane           | 20    | 19.0   | ug/L | 95  | 3   |      | 83  | 110            | 16  |
|               | 4-Methyl-2-Pentanone           | 100   | 98.2   | ug/L | 98  | 9   |      | 74  | 118            | 25  |
|               | Toluene                        | 20    | 19.2   | ug/L | 96  | 8   |      | 82  | 110            | 16  |
|               | t-1,3-Dichloropropene          | 20    | 20.2   | ug/L | 101 | 7   |      | 79  | 110            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 20.1   | ug/L | 101 | 7   |      | 82  | 110            | 16  |
|               | 1,1,2-Trichloroethane          | 20    | 19.3   | ug/L | 97  | 7   |      | 83  | 112            | 20  |
|               | 2-Hexanone                     | 100   | 100    | ug/L | 100 | 12  |      | 73  | 117            | 25  |
|               | Dibromochloromethane           | 20    | 19.5   | ug/L | 98  | 9   |      | 82  | 110            | 20  |
|               | 1,2-Dibromoethane              | 20    | 19.9   | ug/L | 100 | 11  |      | 81  | 110            | 20  |
|               | Tetrachloroethene              | 20    | 19.0   | ug/L | 95  | 16  | *    | 67  | 123            | 15  |
|               | Chlorobenzene                  | 20    | 19.0   | ug/L | 95  | 12  |      | 82  | 109            | 15  |
|               | Ethyl Benzene                  | 20    | 19.1   | ug/L | 96  | 13  |      | 83  | 109            | 16  |
|               | m/p-Xylenes                    | 40    | 38.6   | ug/L | 97  | 12  |      | 82  | 110            | 15  |
|               | o-Xylene                       | 20    | 19.3   | ug/L | 97  | 13  |      | 83  | 109            | 20  |
|               | Styrene                        | 20    | 19.6   | ug/L | 98  | 13  |      | 80  | 111            | 17  |
|               | Bromoform                      | 20    | 19.6   | ug/L | 98  | 13  |      | 79  | 109            | 20  |
|               | Isopropylbenzene               | 20    | 19.2   | ug/L | 96  | 15  |      | 83  | 112            | 29  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.3   | ug/L | 97  | 14  |      | 76  | 118            | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 18.8   | ug/L | 94  | 15  |      | 82  | 108            | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 18.7   | ug/L | 94  | 15  |      | 82  | 107            | 15  |
|               | 1,2-Dichlorobenzene            | 20    | 19.2   | ug/L | 96  | 15  |      | 82  | 109            | 20  |



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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3495 Analytical Method: SW8260-Low  
Client: Remington & Vernick Engineers Datafile : VX048420.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1031WBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 19.2   | ug/L | 96  | 16  |      | 68  | 112            | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.8   | ug/L | 94  | 15  |      | 75  | 113            | 29  |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.3   | ug/L | 97  | 18  |      | 76  | 114            | 29  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                          |                    |                   |
|----------|------------------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3495</u>                             | Analytical Method: | <u>SW8260-Low</u> |
| Client:  | <u>Remington &amp; Vernick Engineers</u> | Datafile :         | <u>VX048449.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1103WBS01   | Dichlorodifluoromethane        | 20    | 17.2   | ug/L | 86  |     |      | 69  | 116            |     |
|               | Chloromethane                  | 20    | 20.5   | ug/L | 103 |     |      | 65  | 116            |     |
|               | Vinyl chloride                 | 20    | 19.6   | ug/L | 98  |     |      | 65  | 117            |     |
|               | Bromomethane                   | 20    | 20.1   | ug/L | 101 |     |      | 58  | 125            |     |
|               | Chloroethane                   | 20    | 17.0   | ug/L | 85  |     |      | 56  | 128            |     |
|               | Trichlorofluoromethane         | 20    | 17.3   | ug/L | 86  |     |      | 73  | 115            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.2   | ug/L | 101 |     |      | 80  | 112            |     |
|               | 1,1-Dichloroethene             | 20    | 20.2   | ug/L | 101 |     |      | 74  | 110            |     |
|               | Acetone                        | 100   | 88.6   | ug/L | 89  |     |      | 60  | 125            |     |
|               | Carbon disulfide               | 20    | 16.9   | ug/L | 85  |     |      | 64  | 112            |     |
|               | Methyl tert-butyl Ether        | 20    | 17.4   | ug/L | 87  |     |      | 78  | 114            |     |
|               | Methyl Acetate                 | 20    | 16.0   | ug/L | 80  |     |      | 67  | 125            |     |
|               | Methylene Chloride             | 20    | 17.1   | ug/L | 86  |     |      | 72  | 114            |     |
|               | trans-1,2-Dichloroethene       | 20    | 16.9   | ug/L | 85  |     |      | 75  | 108            |     |
|               | 1,1-Dichloroethane             | 20    | 17.4   | ug/L | 87  |     |      | 78  | 112            |     |
|               | Cyclohexane                    | 20    | 19.7   | ug/L | 99  |     |      | 75  | 110            |     |
|               | 2-Butanone                     | 100   | 82.0   | ug/L | 82  |     |      | 65  | 122            |     |
|               | Carbon Tetrachloride           | 20    | 18.7   | ug/L | 94  |     |      | 77  | 113            |     |
|               | cis-1,2-Dichloroethene         | 20    | 16.6   | ug/L | 83  |     |      | 77  | 110            |     |
|               | Bromochloromethane             | 20    | 19.3   | ug/L | 97  |     |      | 70  | 124            |     |
|               | Chloroform                     | 20    | 18.5   | ug/L | 93  |     |      | 79  | 113            |     |
|               | 1,1,1-Trichloroethane          | 20    | 19.9   | ug/L | 100 |     |      | 80  | 108            |     |
|               | Methylcyclohexane              | 20    | 16.6   | ug/L | 83  |     |      | 72  | 115            |     |
|               | Benzene                        | 20    | 19.2   | ug/L | 96  |     |      | 82  | 109            |     |
|               | 1,2-Dichloroethane             | 20    | 18.2   | ug/L | 91  |     |      | 80  | 115            |     |
|               | Trichloroethene                | 20    | 17.5   | ug/L | 88  |     |      | 77  | 113            |     |
|               | 1,2-Dichloropropane            | 20    | 17.1   | ug/L | 86  |     |      | 83  | 111            |     |
|               | Bromodichloromethane           | 20    | 18.3   | ug/L | 92  |     |      | 83  | 110            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 86.6   | ug/L | 87  |     |      | 74  | 118            |     |
|               | Toluene                        | 20    | 17.6   | ug/L | 88  |     |      | 82  | 110            |     |
|               | t-1,3-Dichloropropene          | 20    | 19.0   | ug/L | 95  |     |      | 79  | 110            |     |
|               | cis-1,3-Dichloropropene        | 20    | 18.4   | ug/L | 92  |     |      | 82  | 110            |     |
|               | 1,1,2-Trichloroethane          | 20    | 18.0   | ug/L | 90  |     |      | 83  | 112            |     |
|               | 2-Hexanone                     | 100   | 86.4   | ug/L | 86  |     |      | 73  | 117            |     |
|               | Dibromochloromethane           | 20    | 18.2   | ug/L | 91  |     |      | 82  | 110            |     |
|               | 1,2-Dibromoethane              | 20    | 17.8   | ug/L | 89  |     |      | 81  | 110            |     |
|               | Tetrachloroethene              | 20    | 19.8   | ug/L | 99  |     |      | 67  | 123            |     |
|               | Chlorobenzene                  | 20    | 20.7   | ug/L | 104 |     |      | 82  | 109            |     |
|               | Ethyl Benzene                  | 20    | 20.5   | ug/L | 103 |     |      | 83  | 109            |     |
|               | m/p-Xylenes                    | 40    | 42.2   | ug/L | 106 |     |      | 82  | 110            |     |
|               | o-Xylene                       | 20    | 20.7   | ug/L | 104 |     |      | 83  | 109            |     |
|               | Styrene                        | 20    | 21.2   | ug/L | 106 |     |      | 80  | 111            |     |
|               | Bromoform                      | 20    | 21.3   | ug/L | 106 |     |      | 79  | 109            |     |
|               | Isopropylbenzene               | 20    | 20.5   | ug/L | 103 |     |      | 83  | 112            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.5   | ug/L | 103 |     |      | 76  | 118            |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.7   | ug/L | 99  |     |      | 82  | 108            |     |
|               | 1,4-Dichlorobenzene            | 20    | 20.2   | ug/L | 101 |     |      | 82  | 107            |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.3   | ug/L | 102 |     |      | 82  | 109            |     |

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

**SW-846**

|                 |                                          |                           |                   |
|-----------------|------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3495</u>                             | <b>Analytical Method:</b> | <u>SW8260-Low</u> |
| <b>Client:</b>  | <u>Remington &amp; Vernick Engineers</u> | <b>Datafile :</b>         | <u>VX048449.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VX1103WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.5   | ug/L | 103 |     |      | 68  | 112    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.6   | ug/L | 98  |     |      | 75  | 113    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.2   | ug/L | 101 |     |      | 76  | 114    |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                          |                    |                   |
|----------|------------------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3495</u>                             | Analytical Method: | <u>SW8260D</u>    |
| Client:  | <u>Remington &amp; Vernick Engineers</u> | Datafile :         | <u>VY023622.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|-----|-------------|-----|
| VY1030SBS01   | Dichlorodifluoromethane        | 20    | 21.0   | ug/Kg | 105 |     |      | 64  | 136         |     |
|               | Chloromethane                  | 20    | 20.3   | ug/Kg | 102 |     |      | 52  | 151         |     |
|               | Vinyl chloride                 | 20    | 20.2   | ug/Kg | 101 |     |      | 56  | 148         |     |
|               | Bromomethane                   | 20    | 20.5   | ug/Kg | 103 |     |      | 58  | 141         |     |
|               | Chloroethane                   | 20    | 21.2   | ug/Kg | 106 |     |      | 69  | 130         |     |
|               | Trichlorofluoromethane         | 20    | 20.8   | ug/Kg | 104 |     |      | 69  | 134         |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 23.0   | ug/Kg | 115 |     |      | 81  | 123         |     |
|               | 1,1-Dichloroethene             | 20    | 22.1   | ug/Kg | 111 |     |      | 79  | 121         |     |
|               | Acetone                        | 100   | 140    | ug/Kg | 140 |     |      | 40  | 171         |     |
|               | Carbon disulfide               | 20    | 20.8   | ug/Kg | 104 |     |      | 59  | 130         |     |
|               | Methyl tert-butyl Ether        | 20    | 20.4   | ug/Kg | 102 |     |      | 77  | 129         |     |
|               | Methyl Acetate                 | 20    | 18.4   | ug/Kg | 92  |     |      | 69  | 149         |     |
|               | Methylene Chloride             | 20    | 21.1   | ug/Kg | 106 |     |      | 72  | 131         |     |
|               | trans-1,2-Dichloroethene       | 20    | 21.9   | ug/Kg | 110 |     |      | 80  | 123         |     |
|               | 1,1-Dichloroethane             | 20    | 23.1   | ug/Kg | 116 |     |      | 82  | 123         |     |
|               | Cyclohexane                    | 20    | 21.9   | ug/Kg | 110 |     |      | 76  | 122         |     |
|               | 2-Butanone                     | 100   | 120    | ug/Kg | 120 |     |      | 69  | 131         |     |
|               | Carbon Tetrachloride           | 20    | 23.1   | ug/Kg | 116 |     |      | 76  | 129         |     |
|               | cis-1,2-Dichloroethene         | 20    | 22.5   | ug/Kg | 113 |     |      | 82  | 123         |     |
|               | Bromochloromethane             | 20    | 22.4   | ug/Kg | 112 |     |      | 80  | 127         |     |
|               | Chloroform                     | 20    | 23.2   | ug/Kg | 116 |     |      | 82  | 125         |     |
|               | 1,1,1-Trichloroethane          | 20    | 23.3   | ug/Kg | 117 |     |      | 80  | 126         |     |
|               | Methylcyclohexane              | 20    | 21.6   | ug/Kg | 108 |     |      | 77  | 123         |     |
|               | Benzene                        | 20    | 23.3   | ug/Kg | 117 |     |      | 84  | 121         |     |
|               | 1,2-Dichloroethane             | 20    | 22.1   | ug/Kg | 111 |     |      | 81  | 126         |     |
|               | Trichloroethene                | 20    | 22.6   | ug/Kg | 113 |     |      | 83  | 122         |     |
|               | 1,2-Dichloropropane            | 20    | 23.3   | ug/Kg | 117 |     |      | 83  | 122         |     |
|               | Bromodichloromethane           | 20    | 22.7   | ug/Kg | 114 |     |      | 82  | 123         |     |
|               | 4-Methyl-2-Pentanone           | 100   | 100    | ug/Kg | 100 |     |      | 70  | 135         |     |
|               | Toluene                        | 20    | 23.0   | ug/Kg | 115 |     |      | 83  | 122         |     |
|               | t-1,3-Dichloropropene          | 20    | 21.3   | ug/Kg | 106 |     |      | 78  | 124         |     |
|               | cis-1,3-Dichloropropene        | 20    | 22.1   | ug/Kg | 111 |     |      | 81  | 122         |     |
|               | 1,1,2-Trichloroethane          | 20    | 22.2   | ug/Kg | 111 |     |      | 82  | 125         |     |
|               | 2-Hexanone                     | 100   | 110    | ug/Kg | 110 |     |      | 66  | 138         |     |
|               | Dibromochloromethane           | 20    | 21.7   | ug/Kg | 109 |     |      | 79  | 125         |     |
|               | 1,2-Dibromoethane              | 20    | 21.0   | ug/Kg | 105 |     |      | 80  | 125         |     |
|               | Tetrachloroethene              | 20    | 22.4   | ug/Kg | 112 |     |      | 83  | 125         |     |
|               | Chlorobenzene                  | 20    | 22.6   | ug/Kg | 113 |     |      | 84  | 122         |     |
|               | Ethyl Benzene                  | 20    | 22.7   | ug/Kg | 114 |     |      | 82  | 124         |     |
|               | m/p-Xylenes                    | 40    | 46.0   | ug/Kg | 115 |     |      | 83  | 124         |     |
|               | o-Xylene                       | 20    | 22.3   | ug/Kg | 112 |     |      | 83  | 123         |     |
|               | Styrene                        | 20    | 22.6   | ug/Kg | 113 |     |      | 82  | 124         |     |
|               | Bromoform                      | 20    | 21.2   | ug/Kg | 106 |     |      | 75  | 127         |     |
|               | Isopropylbenzene               | 20    | 22.8   | ug/Kg | 114 |     |      | 82  | 124         |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.2   | ug/Kg | 106 |     |      | 77  | 127         |     |
|               | 1,3-Dichlorobenzene            | 20    | 22.4   | ug/Kg | 112 |     |      | 83  | 122         |     |
|               | 1,4-Dichlorobenzene            | 20    | 22.3   | ug/Kg | 112 |     |      | 84  | 121         |     |
|               | 1,2-Dichlorobenzene            | 20    | 22.2   | ug/Kg | 111 |     |      | 83  | 124         |     |

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

**SW-846**

|                 |                                          |                           |                   |
|-----------------|------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3495</u>                             | <b>Analytical Method:</b> | <u>SW8260D</u>    |
| <b>Client:</b>  | <u>Remington &amp; Vernick Engineers</u> | <b>Datafile :</b>         | <u>VY023622.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |       |     |     |      |     | High   |     |
| VY1030SBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.0   | ug/Kg | 100 |     |      | 66  | 134    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 20.6   | ug/Kg | 103 |     |      | 78  | 127    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.8   | ug/Kg | 99  |     |      | 70  | 137    |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|          |                                          |                    |                   |
|----------|------------------------------------------|--------------------|-------------------|
| SDG No.: | <u>Q3495</u>                             | Analytical Method: | <u>SW8260D</u>    |
| Client:  | <u>Remington &amp; Vernick Engineers</u> | Datafile :         | <u>VY023623.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|-------|-----|-----|------|-----|----------------|-----|
| VY1030SBSD01  | Dichlorodifluoromethane        | 20    | 22.0   | ug/Kg | 110 | 5   |      | 64  | 136            | 20  |
|               | Chloromethane                  | 20    | 20.8   | ug/Kg | 104 | 2   |      | 52  | 151            | 20  |
|               | Vinyl chloride                 | 20    | 21.3   | ug/Kg | 106 | 5   |      | 56  | 148            | 20  |
|               | Bromomethane                   | 20    | 21.0   | ug/Kg | 105 | 2   |      | 58  | 141            | 20  |
|               | Chloroethane                   | 20    | 22.1   | ug/Kg | 111 | 5   |      | 69  | 130            | 20  |
|               | Trichlorofluoromethane         | 20    | 22.3   | ug/Kg | 112 | 7   |      | 69  | 134            | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 24.0   | ug/Kg | 120 | 4   |      | 81  | 123            | 20  |
|               | 1,1-Dichloroethene             | 20    | 22.6   | ug/Kg | 113 | 2   |      | 79  | 121            | 20  |
|               | Acetone                        | 100   | 150    | ug/Kg | 150 | 7   |      | 40  | 171            | 20  |
|               | Carbon disulfide               | 20    | 21.7   | ug/Kg | 109 | 5   |      | 59  | 130            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 21.5   | ug/Kg | 108 | 6   |      | 77  | 129            | 20  |
|               | Methyl Acetate                 | 20    | 20.1   | ug/Kg | 101 | 9   |      | 69  | 149            | 20  |
|               | Methylene Chloride             | 20    | 22.1   | ug/Kg | 111 | 5   |      | 72  | 131            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 23.1   | ug/Kg | 116 | 5   |      | 80  | 123            | 20  |
|               | 1,1-Dichloroethane             | 20    | 24.3   | ug/Kg | 121 | 4   |      | 82  | 123            | 20  |
|               | Cyclohexane                    | 20    | 22.1   | ug/Kg | 111 | 1   |      | 76  | 122            | 20  |
|               | 2-Butanone                     | 100   | 130    | ug/Kg | 130 | 8   |      | 69  | 131            | 20  |
|               | Carbon Tetrachloride           | 20    | 24.0   | ug/Kg | 120 | 3   |      | 76  | 129            | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 23.1   | ug/Kg | 116 | 3   |      | 82  | 123            | 20  |
|               | Bromochloromethane             | 20    | 23.2   | ug/Kg | 116 | 4   |      | 80  | 127            | 20  |
|               | Chloroform                     | 20    | 24.4   | ug/Kg | 122 | 5   |      | 82  | 125            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 24.3   | ug/Kg | 121 | 3   |      | 80  | 126            | 20  |
|               | Methylcyclohexane              | 20    | 22.9   | ug/Kg | 115 | 6   |      | 77  | 123            | 20  |
|               | Benzene                        | 20    | 24.1   | ug/Kg | 121 | 3   |      | 84  | 121            | 20  |
|               | 1,2-Dichloroethane             | 20    | 23.3   | ug/Kg | 117 | 5   |      | 81  | 126            | 20  |
|               | Trichloroethene                | 20    | 23.4   | ug/Kg | 117 | 3   |      | 83  | 122            | 20  |
|               | 1,2-Dichloropropane            | 20    | 24.6   | ug/Kg | 123 | 5   | *    | 83  | 122            | 20  |
|               | Bromodichloromethane           | 20    | 23.9   | ug/Kg | 119 | 4   |      | 82  | 123            | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/Kg | 110 | 10  |      | 70  | 135            | 20  |
|               | Toluene                        | 20    | 24.3   | ug/Kg | 121 | 5   |      | 83  | 122            | 20  |
|               | t-1,3-Dichloropropene          | 20    | 22.3   | ug/Kg | 112 | 6   |      | 78  | 124            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 23.8   | ug/Kg | 119 | 7   |      | 81  | 122            | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 23.4   | ug/Kg | 117 | 5   |      | 82  | 125            | 20  |
|               | 2-Hexanone                     | 100   | 120    | ug/Kg | 120 | 9   |      | 66  | 138            | 20  |
|               | Dibromochloromethane           | 20    | 23.0   | ug/Kg | 115 | 5   |      | 79  | 125            | 20  |
|               | 1,2-Dibromoethane              | 20    | 22.6   | ug/Kg | 113 | 7   |      | 80  | 125            | 20  |
|               | Tetrachloroethene              | 20    | 23.0   | ug/Kg | 115 | 3   |      | 83  | 125            | 20  |
|               | Chlorobenzene                  | 20    | 23.4   | ug/Kg | 117 | 3   |      | 84  | 122            | 20  |
|               | Ethyl Benzene                  | 20    | 23.6   | ug/Kg | 118 | 3   |      | 82  | 124            | 20  |
|               | m/p-Xylenes                    | 40    | 47.8   | ug/Kg | 119 | 3   |      | 83  | 124            | 20  |
|               | o-Xylene                       | 20    | 23.5   | ug/Kg | 117 | 4   |      | 83  | 123            | 20  |
|               | Styrene                        | 20    | 23.3   | ug/Kg | 117 | 3   |      | 82  | 124            | 20  |
|               | Bromoform                      | 20    | 22.2   | ug/Kg | 111 | 5   |      | 75  | 127            | 20  |
|               | Isopropylbenzene               | 20    | 23.9   | ug/Kg | 119 | 4   |      | 82  | 124            | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 22.5   | ug/Kg | 113 | 6   |      | 77  | 127            | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 23.5   | ug/Kg | 117 | 4   |      | 83  | 122            | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 23.5   | ug/Kg | 117 | 4   |      | 84  | 121            | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 23.2   | ug/Kg | 116 | 4   |      | 83  | 124            | 20  |

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

**SW-846**

|                 |                                          |                           |                   |
|-----------------|------------------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q3495</u>                             | <b>Analytical Method:</b> | <u>SW8260D</u>    |
| <b>Client:</b>  | <u>Remington &amp; Vernick Engineers</u> | <b>Datafile :</b>         | <u>VY023623.D</u> |

| Lab Sample ID | Parameter                   | Spike | Result | Unit  | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|-------|-----|-----|------|-----|----------------|-----|
| VY1030SBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 21.4   | ug/Kg | 107 | 7   |      | 66  | 134            | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 21.7   | ug/Kg | 109 | 6   |      | 78  | 127            | 20  |
|               | 1,2,3-Trichlorobenzene      | 20    | 21.5   | ug/Kg | 108 | 9   |      | 70  | 137            | 20  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1031WBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VX048418.D

Lab Sample ID: VX1031WBL01

Date Analyzed: 10/31/2025

Time Analyzed: 10:06

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VX1031WBS01       | VX1031WBS01      | VX048419.D     | 10/31/2025       |
| VX1031WBSD01      | VX1031WBSD01     | VX048420.D     | 10/31/2025       |
| TW-1025-1         | Q3495-03         | VX048428.D     | 10/31/2025       |

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1103WBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VX048447.D

Lab Sample ID: VX1103WBL01

Date Analyzed: 11/03/2025

Time Analyzed: 11:25

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| VX1103WBS01       | VX1103WBS01      | VX048449.D     | 11/03/2025       |
| TW-1025-1RE       | Q3495-03RE       | VX048456.D     | 11/03/2025       |
| TB                | Q3495-04         | VX048457.D     | 11/03/2025       |

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VY1030SBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VY023621.D

Lab Sample ID: VY1030SBL01

Date Analyzed: 10/30/2025

Time Analyzed: 09:40

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA\_Y

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 |
|-------------------|------------------|----------------|------------------|
| VY1030SBS01       | VY1030SBS01      | VY023622.D     | 10/30/2025       |
| VY1030SBSD01      | VY1030SBSD01     | VY023623.D     | 10/30/2025       |
| SB-1025-2         | Q3495-02         | VY023631.D     | 10/30/2025       |

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



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VX048403.D

BFB Injection Date: 10/29/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:39

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.7                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 72.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 5 ( 6.9 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 70.8 ( 97.9 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.5 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC001 | VSTDIC001     | VX048407.D  | 10/29/2025    | 11:12         |
| VSTDIC005 | VSTDIC005     | VX048408.D  | 10/29/2025    | 11:41         |
| VSTDIC020 | VSTDIC020     | VX048409.D  | 10/29/2025    | 12:01         |
| VSTDIC050 | VSTDIC050     | VX048410.D  | 10/29/2025    | 12:22         |
| VSTDIC100 | VSTDIC100     | VX048411.D  | 10/29/2025    | 12:43         |
| VSTDIC150 | VSTDIC150     | VX048412.D  | 10/29/2025    | 13:03         |



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VX048415.D

BFB Injection Date: 10/31/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:06

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 18                   |
| 75  | 30.0 - 60.0% of mass 95            | 51                   |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 71.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 68.3 ( 95.4 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.8 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID    | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------|---------------|-------------|---------------|---------------|
| VSTDCCC050   | VSTDCCC050    | VX048416.D  | 10/31/2025    | 09:18         |
| VX1031WBL01  | VX1031WBL01   | VX048418.D  | 10/31/2025    | 10:06         |
| VX1031WBS01  | VX1031WBS01   | VX048419.D  | 10/31/2025    | 10:34         |
| VX1031WBSD01 | VX1031WBSD01  | VX048420.D  | 10/31/2025    | 11:00         |
| TW-1025-1    | Q3495-03      | VX048428.D  | 10/31/2025    | 13:46         |



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VX048444.D

BFB Injection Date: 11/03/2025

Instrument ID: MSVOA\_X

BFB Injection Time: 08:20

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

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 21.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 57.7                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1 ( 1.3 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 74.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.2 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 72 ( 96.9 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 6.6 ) 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    | VX048445.D  | 11/03/2025    | 09:14         |
| VX1103WBL01 | VX1103WBL01   | VX048447.D  | 11/03/2025    | 11:25         |
| VX1103WBS01 | VX1103WBS01   | VX048449.D  | 11/03/2025    | 12:21         |
| TW-1025-1RE | Q3495-03RE    | VX048456.D  | 11/03/2025    | 14:59         |
| TB          | Q3495-04      | VX048457.D  | 11/03/2025    | 15:20         |



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VY023383.D

BFB Injection Date: 10/07/2025

Instrument ID: MSVOA\_Y

BFB Injection Time: 08:43

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

Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 48.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 0.9 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 99.1                 |
| 175 | 5.0 - 9.0% of mass 174             | 7.3 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 95.4 ( 96.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6.3 ( 6.6 ) 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 |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC005 | VSTDIC005     | VY023384.D  | 10/07/2025    | 09:17         |
| VSTDIC010 | VSTDIC010     | VY023385.D  | 10/07/2025    | 10:02         |
| VSTDIC020 | VSTDIC020     | VY023386.D  | 10/07/2025    | 11:24         |
| VSTDIC050 | VSTDIC050     | VY023387.D  | 10/07/2025    | 11:47         |
| VSTDIC100 | VSTDIC100     | VY023388.D  | 10/07/2025    | 12:09         |
| VSTDIC150 | VSTDIC150     | VY023389.D  | 10/07/2025    | 12:32         |



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3495

Lab File ID: VY023619.D

BFB Injection Date: 10/30/2025

Instrument ID: MSVOA\_Y

BFB Injection Time: 08:39

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

Heated Purge: Y/N Y

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 16.8                 |
| 75  | 30.0 - 60.0% of mass 95            | 49                   |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 1.2 ( 1.2 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 94.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 6.9 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 90.7 ( 95.8 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 6 ( 6.6 ) 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    | VY023620.D  | 10/30/2025    | 09:09         |
| VY1030SBL01  | VY1030SBL01   | VY023621.D  | 10/30/2025    | 09:40         |
| VY1030SBS01  | VY1030SBS01   | VY023622.D  | 10/30/2025    | 10:36         |
| VY1030SBSD01 | VY1030SBSD01  | VY023623.D  | 10/30/2025    | 11:09         |
| SB-1025-2    | Q3495-02      | VY023631.D  | 10/30/2025    | 14:37         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02  
Lab Code: ACE SDG NO.: Q3495  
Lab File ID: VX048416.D Date Analyzed: 10/31/2025  
Instrument ID: MSVOA\_X Time Analyzed: 09:18  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 152790        | 5.53  | 255523        | 6.74  | 229228        | 10.04  |
| UPPER LIMIT    | 305580        | 6.031 | 511046        | 7.239 | 458456        | 10.537 |
| LOWER LIMIT    | 76395         | 5.031 | 127762        | 6.239 | 114614        | 9.537  |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| TW-1025-1      | 121387        | 5.54  | 239256        | 6.75  | 246924        | 10.04  |
| VX1031WBL01    | 109923        | 5.54  | 221003        | 6.75  | 229713        | 10.04  |
| VX1031WBS01    | 179964        | 5.53  | 315014        | 6.74  | 292819        | 10.04  |
| VX1031WBSD01   | 161570        | 5.53  | 274506        | 6.74  | 244643        | 10.04  |

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:      | <u>Alliance</u>   | Contract:      | <u>REMI02</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q3495</u>      |
| Lab File ID:   | <u>VX048416.D</u> | Date Analyzed: | <u>10/31/2025</u> |
| Instrument ID: | <u>MSVOA_X</u>    | Time Analyzed: | <u>09:18</u>      |
| GC Column:     | <u>DB-624UI</u>   | ID:            | <u>0.18</u> (mm)  |
|                |                   | Heated Purge:  | (Y/N) <u>N</u>    |

|                | IS4<br>AREA # | RT #  |  |  |  |  |
|----------------|---------------|-------|--|--|--|--|
| 12 HOUR STD    | 111736        | 12    |  |  |  |  |
| UPPER LIMIT    | 223472        | 12.5  |  |  |  |  |
| LOWER LIMIT    | 55868         | 11.5  |  |  |  |  |
| EPA SAMPLE NO. |               |       |  |  |  |  |
| TW-1025-1      | 124979        | 12.01 |  |  |  |  |
| VX1031WBL01    | 119652        | 12.01 |  |  |  |  |
| VX1031WBS01    | 146834        | 12.01 |  |  |  |  |
| VX1031WBSD01   | 120989        | 12.01 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02  
 Lab Code: ACE SDG NO.: Q3495  
 Lab File ID: VX048445.D Date Analyzed: 11/03/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 09:14  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 182398        | 5.53  | 256609        | 6.74  | 229985        | 10.04  |
| UPPER LIMIT    | 364796        | 6.032 | 513218        | 7.239 | 459970        | 10.537 |
| LOWER LIMIT    | 91199         | 5.032 | 128305        | 6.239 | 114993        | 9.537  |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| TW-1025-1RE    | 146009        | 5.54  | 263069        | 6.75  | 207013        | 10.04  |
| TB             | 163243        | 5.54  | 253289        | 6.75  | 218816        | 10.04  |
| VX1103WBL01    | 160467        | 5.53  | 268071        | 6.74  | 290044        | 10.04  |
| VX1103WBS01    | 172640        | 5.53  | 288363        | 6.74  | 217740        | 10.04  |

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: REMI02  
 Lab Code: ACE SDG NO.: Q3495  
 Lab File ID: VX048445.D Date Analyzed: 11/03/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 09:14  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #  |  |  |  |  |
|----------------|---------------|-------|--|--|--|--|
| 12 HOUR STD    | 116056        | 12    |  |  |  |  |
| UPPER LIMIT    | 232112        | 12.5  |  |  |  |  |
| LOWER LIMIT    | 58028         | 11.5  |  |  |  |  |
| EPA SAMPLE NO. |               |       |  |  |  |  |
| TW-1025-1RE    | 101418        | 12.01 |  |  |  |  |
| TB             | 107167        | 12.01 |  |  |  |  |
| VX1103WBL01    | 117306        | 12.01 |  |  |  |  |
| VX1103WBS01    | 110522        | 12.01 |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02  
Lab Code: ACE SDG NO.: Q3495  
Lab File ID: VY023620.D Date Analyzed: 10/30/2025  
Instrument ID: MSVOA\_Y Time Analyzed: 09:09  
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #  |
|----------------|---------------|-------|---------------|-------|---------------|-------|
| 12 HOUR STD    | 476273        | 7.71  | 677359        | 8.62  | 596160        | 11.42 |
| UPPER LIMIT    | 952546        | 8.213 | 1354720       | 9.116 | 1192320       | 11.92 |
| LOWER LIMIT    | 238137        | 7.213 | 338680        | 8.116 | 298080        | 10.92 |
| EPA SAMPLE NO. |               |       |               |       |               |       |
| SB-1025-2      | 765269        | 7.71  | 1282589       | 8.62  | 1076446       | 11.42 |
| VY1030SBL01    | 742027        | 7.71  | 1269076       | 8.62  | 1061841       | 11.42 |
| VY1030SBS01    | 459671        | 7.71  | 679981        | 8.62  | 588601        | 11.41 |
| VY1030SBSD01   | 451310        | 7.71  | 657731        | 8.62  | 578799        | 11.42 |

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: REMI02  
 Lab Code: ACE SDG NO.: Q3495  
 Lab File ID: VY023620.D Date Analyzed: 10/30/2025  
 Instrument ID: MSVOA\_Y Time Analyzed: 09:09  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 319486        | 13.346 |  |  |  |  |
| UPPER LIMIT    | 638972        | 13.846 |  |  |  |  |
| LOWER LIMIT    | 159743        | 12.846 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| SB-1025-2      | 427496        | 13.35  |  |  |  |  |
| VY1030SBL01    | 422864        | 13.35  |  |  |  |  |
| VY1030SBS01    | 307493        | 13.35  |  |  |  |  |
| VY1030SBSD01   | 300735        | 13.35  |  |  |  |  |

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: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: SB-1025-2  
 Lab Sample ID: Q3495-02  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5.66 g

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/27/25  
 Date Received: 10/29/25  
 SDG No.: Q3495  
 Matrix: SOIL  
 % Solid: 75.1  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 1.30  | U    | 1  | 1.30 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 74-87-3        | Chloromethane                  | 1.30  | U    | 1  | 1.30 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-01-4        | Vinyl Chloride                 | 0.93  | U    | 1  | 0.93 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 74-83-9        | Bromomethane                   | 1.30  | U    | 1  | 1.30 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-00-3        | Chloroethane                   | 1.50  | U    | 1  | 1.50 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-69-4        | Trichlorofluoromethane         | 1.40  | U    | 1  | 1.40 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.20  | U    | 1  | 1.20 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-35-4        | 1,1-Dichloroethene             | 1.20  | U    | 1  | 1.20 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 67-64-1        | Acetone                        | 5.60  | U    | 1  | 5.60 | 29.4       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-15-0        | Carbon Disulfide               | 1.20  | U    | 1  | 1.20 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.86  | U    | 1  | 0.86 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 79-20-9        | Methyl Acetate                 | 1.80  | U    | 1  | 1.80 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-09-2        | Methylene Chloride             | 4.20  | U    | 1  | 4.20 | 11.8       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.00  | U    | 1  | 1.00 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-34-3        | 1,1-Dichloroethane             | 0.94  | U    | 1  | 0.94 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 110-82-7       | Cyclohexane                    | 0.93  | U    | 1  | 0.93 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 78-93-3        | 2-Butanone                     | 7.70  | U    | 1  | 7.70 | 29.4       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 56-23-5        | Carbon Tetrachloride           | 1.10  | U    | 1  | 1.10 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.88  | U    | 1  | 0.88 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 74-97-5        | Bromochloromethane             | 1.40  | U    | 1  | 1.40 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 67-66-3        | Chloroform                     | 0.99  | U    | 1  | 0.99 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.10  | U    | 1  | 1.10 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 108-87-2       | Methylcyclohexane              | 1.10  | U    | 1  | 1.10 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 71-43-2        | Benzene                        | 0.93  | U    | 1  | 0.93 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 107-06-2       | 1,2-Dichloroethane             | 0.93  | U    | 1  | 0.93 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 79-01-6        | Trichloroethene                | 0.95  | U    | 1  | 0.95 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 78-87-5        | 1,2-Dichloropropane            | 1.10  | UQ   | 1  | 1.10 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-27-4        | Bromodichloromethane           | 0.92  | U    | 1  | 0.92 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 4.20  | U    | 1  | 4.20 | 29.4       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 108-88-3       | Toluene                        | 0.92  | U    | 1  | 0.92 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.76  | U    | 1  | 0.76 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.73  | U    | 1  | 0.73 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 79-00-5        | 1,1,2-Trichloroethane          | 1.10  | U    | 1  | 1.10 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 591-78-6       | 2-Hexanone                     | 4.30  | U    | 1  | 4.30 | 29.4       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 124-48-1       | Dibromochloromethane           | 1.00  | U    | 1  | 1.00 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 106-93-4       | 1,2-Dibromoethane              | 1.00  | U    | 1  | 1.00 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 127-18-4       | Tetrachloroethene              | 1.20  | U    | 1  | 1.20 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 108-90-7       | Chlorobenzene                  | 1.10  | U    | 1  | 1.10 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 100-41-4       | Ethyl Benzene                  | 0.79  | U    | 1  | 0.79 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 179601-23-1    | m/p-Xylenes                    | 1.50  | U    | 1  | 1.50 | 11.8       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 95-47-6        | o-Xylene                       | 0.96  | U    | 1  | 0.96 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 100-42-5       | Styrene                        | 0.84  | U    | 1  | 0.84 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 75-25-2        | Bromoform                      | 1.00  | U    | 1  | 1.00 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |



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

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Analytical Method: 8260D  
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Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/27/25  
Date Received: 10/29/25  
SDG No.: Q3495  
Matrix: SOIL  
% Solid: 75.1  
Test: VOC-TCLVOA-10

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 0.92  | U    | 1  | 0.92 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 1.40  | U    | 1  | 1.40 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 541-73-1   | 1,3-Dichlorobenzene         | 2.00  | U    | 1  | 2.00 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 106-46-7   | 1,4-Dichlorobenzene         | 1.80  | U    | 1  | 1.80 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 95-50-1    | 1,2-Dichlorobenzene         | 1.70  | U    | 1  | 1.70 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 2.20  | U    | 1  | 2.20 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 3.50  | U    | 1  | 3.50 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 3.70  | U    | 1  | 3.70 | 5.90       | ug/Kg | 10/30/25 14:37 | VY103025 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.9 |  |  | 63 - 155 | 106% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.3 |  |  | 70 - 134 | 101% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 49.4 |  |  | 74 - 123 | 99%  | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 42.4 |  |  | 17 - 146 | 85%  | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 765000     |
| 540-36-3           | 1,4-Difluorobenzene    | 1280000    |
| 3114-55-4          | Chlorobenzene-d5       | 1080000    |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 427000     |

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\_Y\Data\VY103025\  
 Data File : VY023631.D  
 Acq On : 30 Oct 2025 14:37  
 Operator : SY/MD  
 Sample : Q3495-02  
 Misc : 5.66g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-1025-2

Quant Time: Oct 31 02:41:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 765269   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1282589  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1076446  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.347 | 152  | 427496   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 338260   | 52.859   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.720% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 396330   | 50.290   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 100.580% |
| 50) Toluene-d8              | 10.109 | 98    | 1449464  | 49.387   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 98.780%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 410881   | 42.404   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 84.800%  |

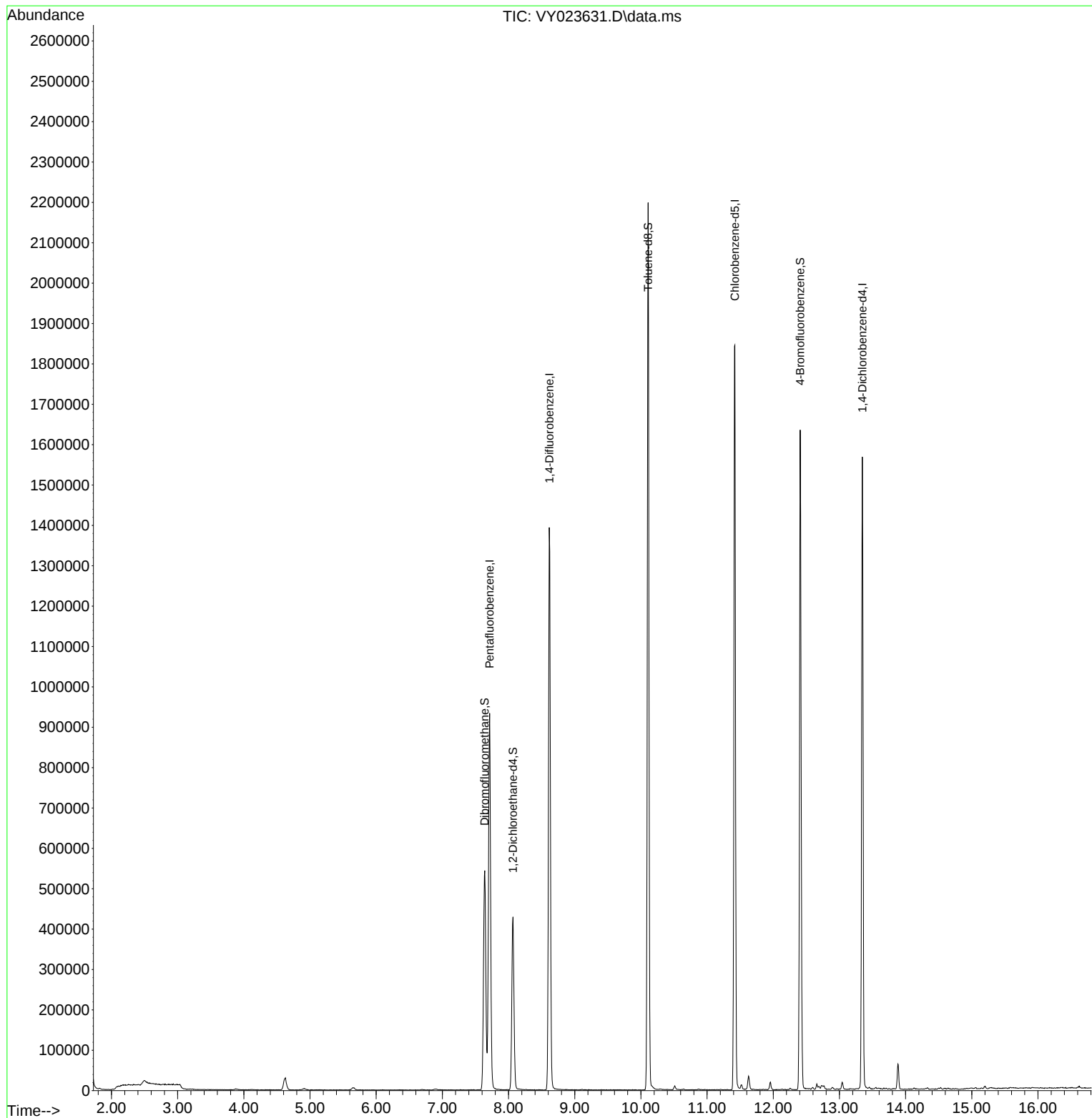
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

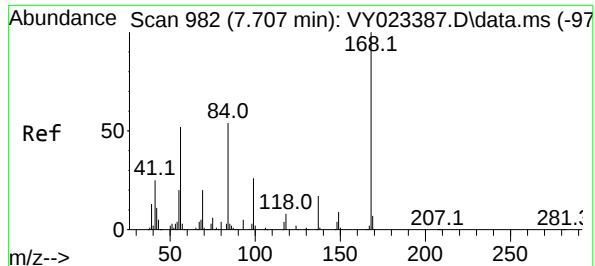
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023631.D  
Acq On : 30 Oct 2025 14:37  
Operator : SY/MD  
Sample : Q3495-02  
Misc : 5.66g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

Quant Time: Oct 31 02:41:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

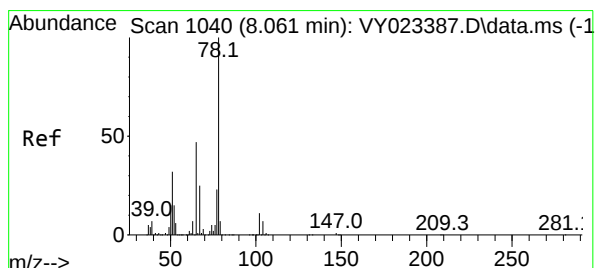
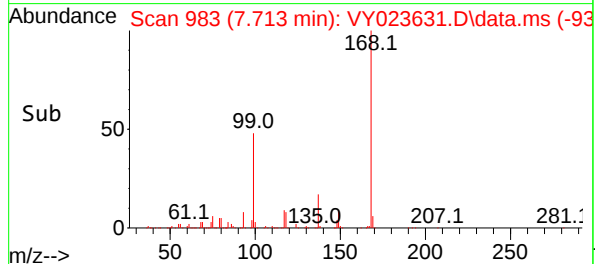
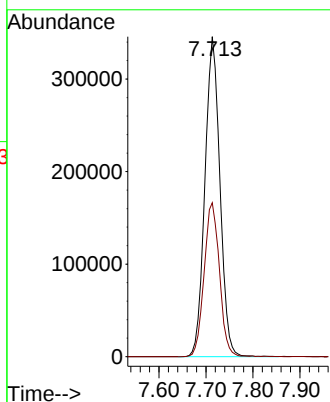
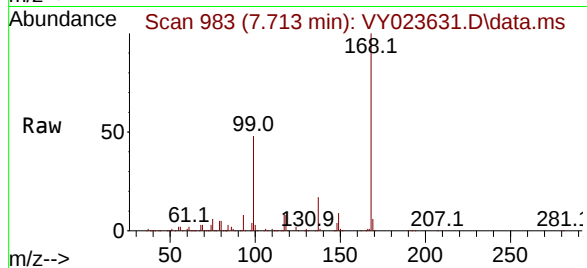




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 99  
Delta R.T. 0.006 min  
Lab File: VY023631.D  
Acq: 30 Oct 2025 14:37

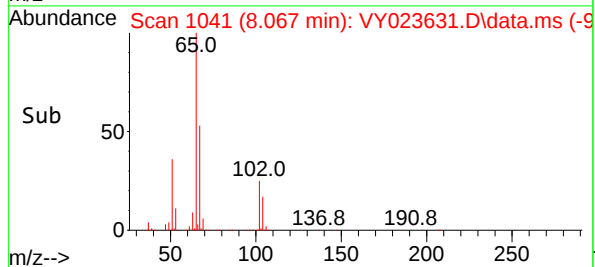
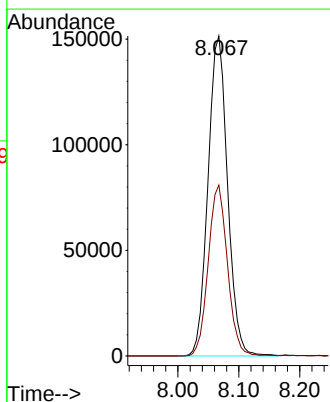
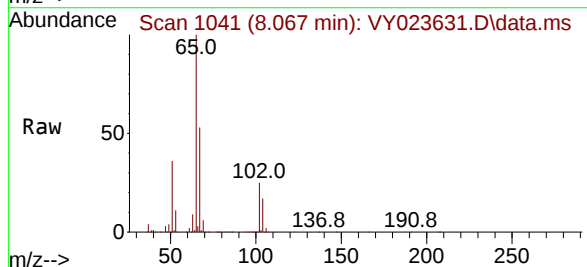
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

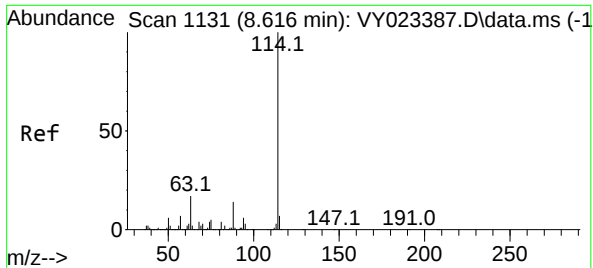
Tgt Ion:168 Resp: 765269  
Ion Ratio Lower Upper  
168 100  
99 48.1 39.7 59.5



#33  
1,2-Dichloroethane-d4  
Concen: 52.859 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY023631.D  
Acq: 30 Oct 2025 14:37

Tgt Ion: 65 Resp: 338260  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Instrument :

MSVOA\_Y

ClientSampleId :

SB-1025-2

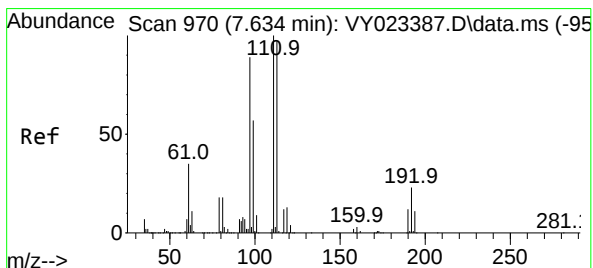
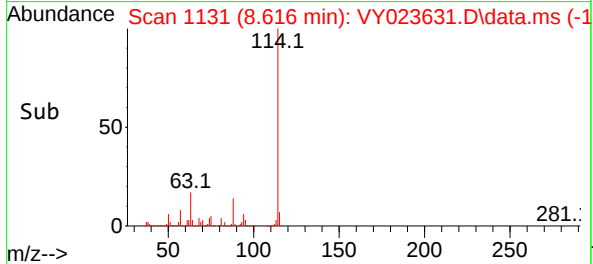
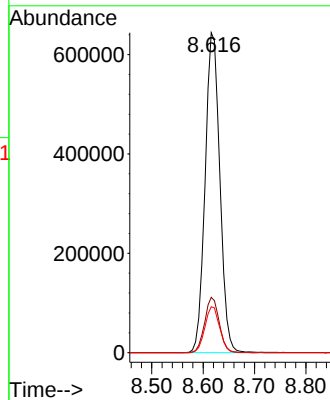
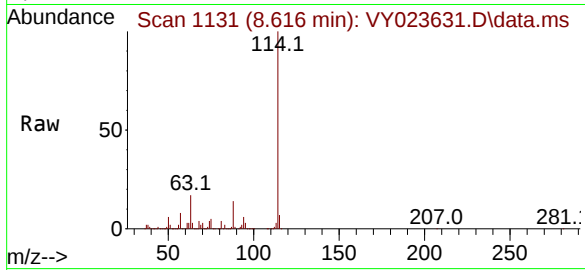
Tgt Ion:114 Resp: 1282589

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.290 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

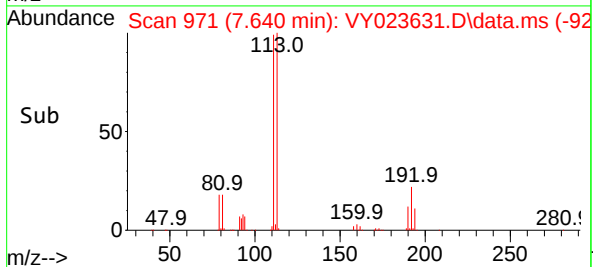
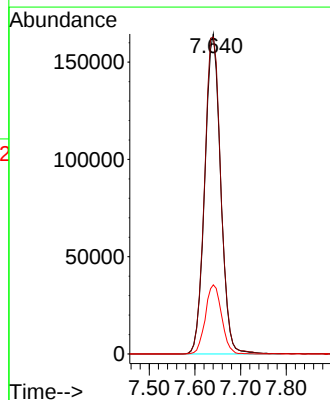
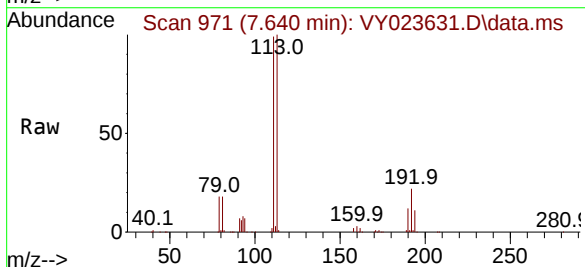
Tgt Ion:113 Resp: 396330

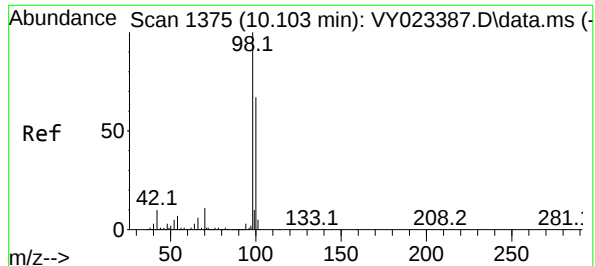
Ion Ratio Lower Upper

113 100

111 102.0 81.8 122.6

192 22.2 18.0 27.0





#50

Toluene-d8

Concen: 49.387 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Instrument :

MSVOA\_Y

ClientSampleId :

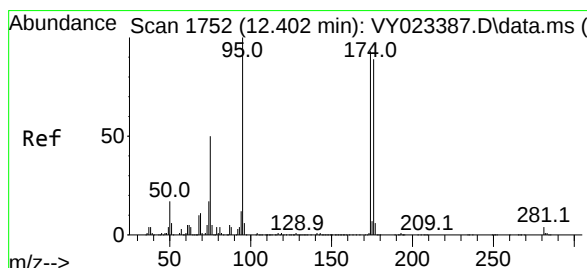
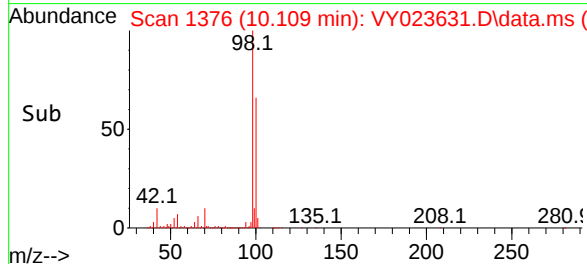
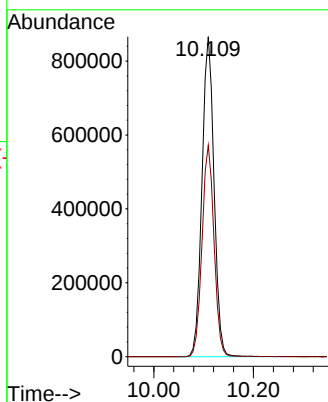
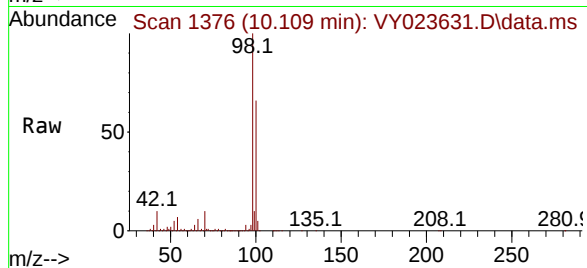
SB-1025-2

Tgt Ion: 98 Resp: 1449464

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 42.404 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

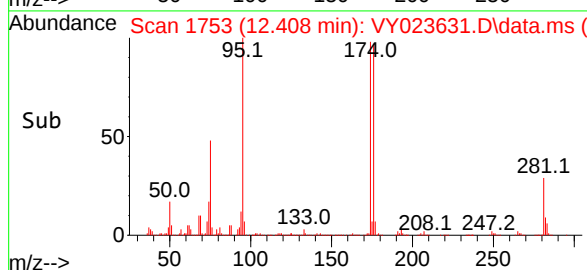
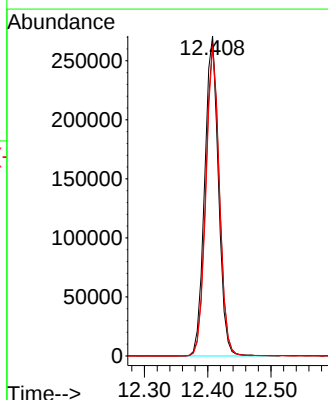
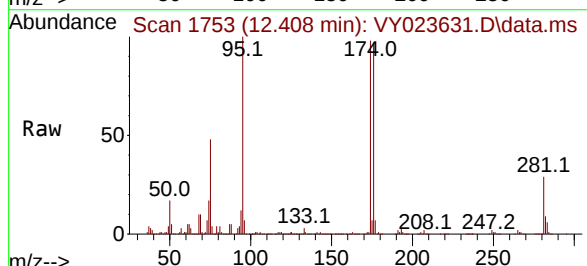
Tgt Ion: 95 Resp: 410881

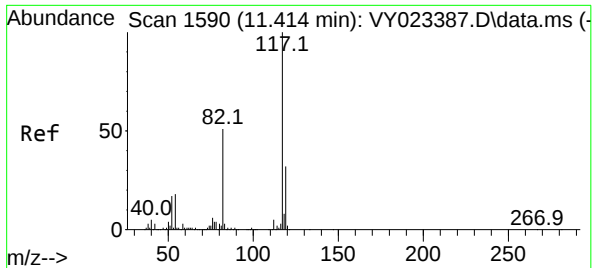
Ion Ratio Lower Upper

95 100

174 96.9 0.0 192.8

176 94.0 0.0 187.6

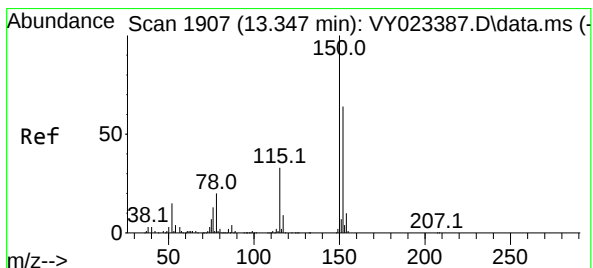
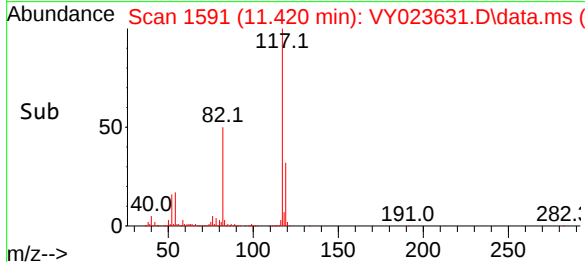
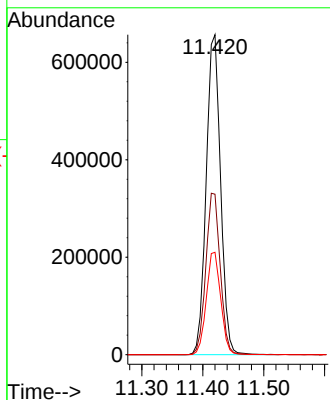
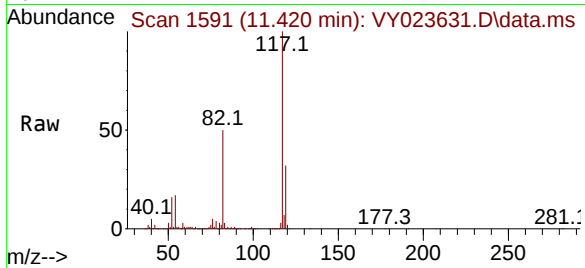




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023631.D  
Acq: 30 Oct 2025 14:37

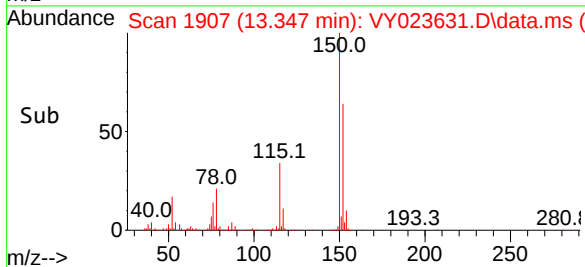
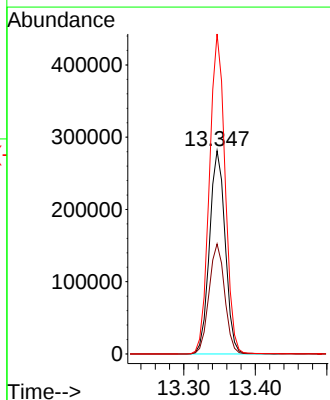
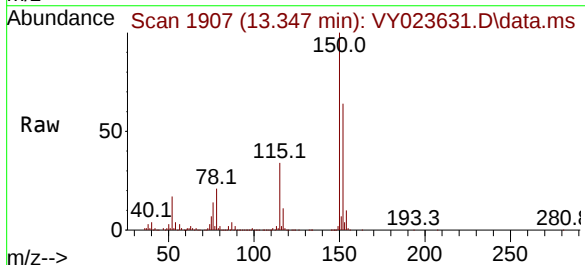
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

Tgt Ion:117 Resp: 1076446  
Ion Ratio Lower Upper  
117 100  
82 50.1 41.0 61.4  
119 32.0 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.347 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY023631.D  
Acq: 30 Oct 2025 14:37

Tgt Ion:152 Resp: 427496  
Ion Ratio Lower Upper  
152 100  
115 54.4 27.1 81.2  
150 157.8 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023631.D  
Acq On : 30 Oct 2025 14:37  
Operator : SY/MD  
Sample : Q3495-02  
Misc : 5.66g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023631.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.629       | 463           | 477         | 489          | rBV2     | 29687          | 91558         | 2.46%           | 0.472%        |
| 2         | 7.640       | 959           | 971         | 977          | rBV      | 543543         | 1331173       | 35.80%          | 6.861%        |
| 3         | 7.713       | 977           | 983         | 1000         | rVB      | 931980         | 2076541       | 55.85%          | 10.703%       |
| 4         | 8.067       | 1031          | 1041        | 1054         | rBV      | 428473         | 962682        | 25.89%          | 4.962%        |
| 5         | 8.616       | 1122          | 1131        | 1145         | rBV      | 1393034        | 2767140       | 74.42%          | 14.262%       |
| 6         | 10.109      | 1368          | 1376        | 1399         | rBV      | 2197373        | 3718264       | 100.00%         | 19.164%       |
| 7         | 11.420      | 1583          | 1591        | 1603         | rBV      | 1844468        | 3078938       | 82.81%          | 15.869%       |
| 8         | 11.627      | 1615          | 1625        | 1632         | rBV      | 32822          | 61983         | 1.67%           | 0.319%        |
| 9         | 12.408      | 1743          | 1753        | 1765         | rBV2     | 1634035        | 2793542       | 75.13%          | 14.398%       |
| 10        | 13.347      | 1897          | 1907        | 1920         | rBV      | 1565301        | 2417232       | 65.01%          | 12.458%       |
| 11        | 13.883      | 1989          | 1995        | 2002         | rVB2     | 62096          | 103231        | 2.78%           | 0.532%        |

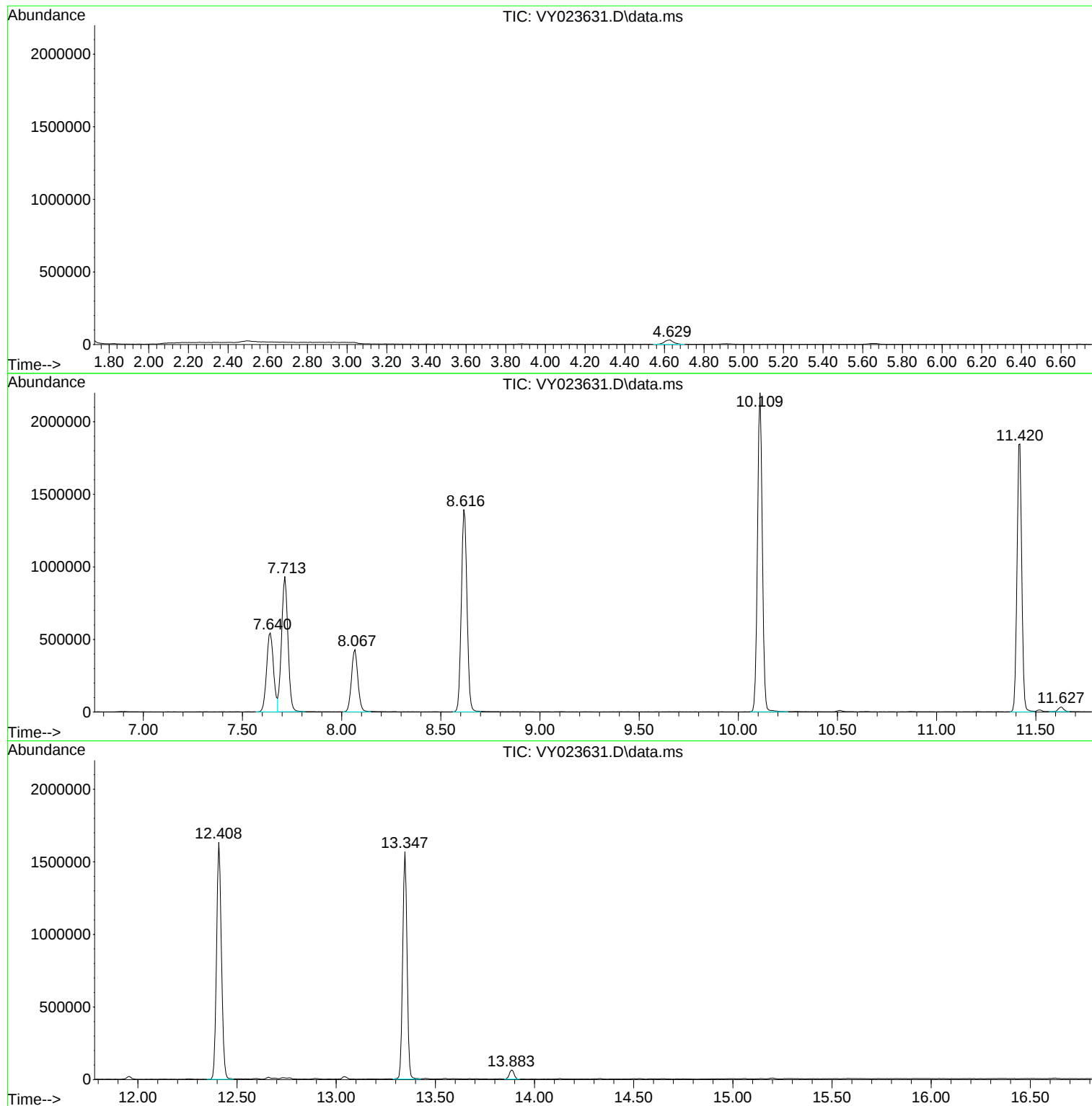
Sum of corrected areas: 19402284

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023631.D  
Acq On : 30 Oct 2025 14:37  
Operator : SY/MD  
Sample : Q3495-02  
Misc : 5.66g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023631.D  
Acq On : 30 Oct 2025 14:37  
Operator : SY/MD  
Sample : Q3495-02  
Misc : 5.66g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023631.D  
Acq On : 30 Oct 2025 14:37  
Operator : SY/MD  
Sample : Q3495-02  
Misc : 5.66g/5.0mL/MSVOA\_Y/SOIL/A  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-1025-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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

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

### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: TW-1025-1  
 Lab Sample ID: Q3495-03  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/27/25  
 Date Received: 10/29/25  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| 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  | 10/31/25 13:46 | VX103125 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 67-64-1        | Acetone                        | 4.70  | J    | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 1634-04-4      | Methyl tert-butyl Ether        | 2.60  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 591-78-6       | 2-Hexanone                     | 0.89  | U    | 1  | 0.89  | 5.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 124-48-1       | Dibromochloromethane           | 0.18  | U    | 1  | 0.18  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 106-93-4       | 1,2-Dibromoethane              | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 127-18-4       | Tetrachloroethene              | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 108-90-7       | Chlorobenzene                  | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 100-41-4       | Ethyl Benzene                  | 0.13  | U    | 1  | 0.13  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 179601-23-1    | m/p-Xylenes                    | 0.24  | U    | 1  | 0.24  | 2.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 95-47-6        | o-Xylene                       | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 100-42-5       | Styrene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |
| 75-25-2        | Bromoform                      | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 13:46 | VX103125 |



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

## Report of Analysis

Client: Remington & Vernick Engineers  
Project: Maclearie Park  
Client Sample ID: TW-1025-1  
Lab Sample ID: Q3495-03  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected: 10/27/25  
Date Received: 10/29/25  
SDG No.: Q3495  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 0.12              | U    | 1  | 0.12     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26              | U    | 1  | 0.26     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16              | UQ   | 1  | 0.16     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19              | UQ   | 1  | 0.19     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53              | U    | 1  | 0.53     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 10/31/25 13:46 | VX103125 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 60.4              |      |    | 74 - 125 | 121%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 57.3              |      |    | 75 - 124 | 115%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 48.1              |      |    | 86 - 113 | 96%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 58.2              |      |    | 77 - 121 | 116%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 121000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 239000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 247000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 125000            |      |    |          |            |         |                |          |

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\_X\Data\VX103125\  
 Data File : VX048428.D  
 Acq On : 31 Oct 2025 13:46  
 Operator : JC/MD  
 Sample : Q3495-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-1025-1

Quant Time: Oct 31 23:05:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

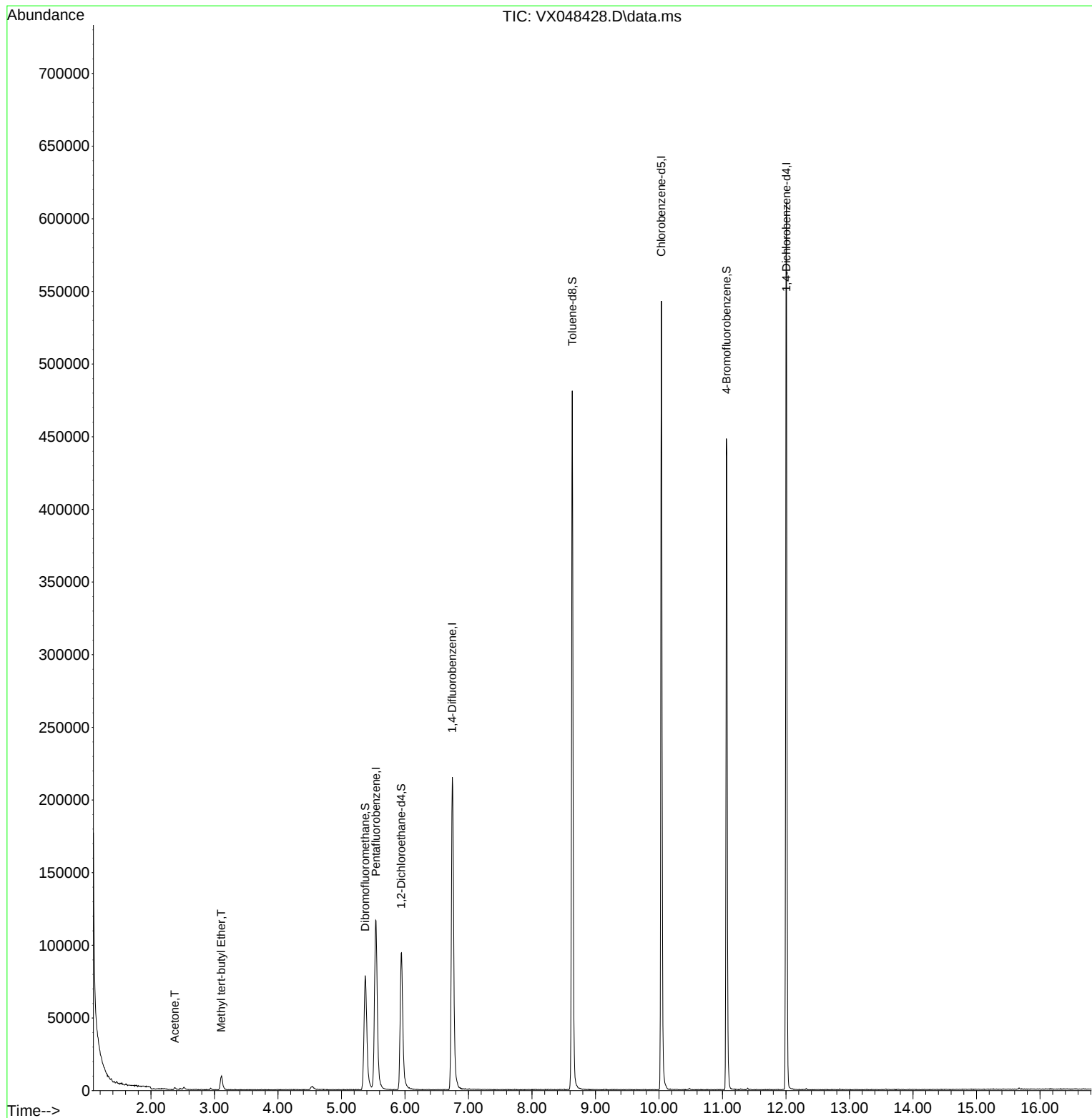
| Compound                    | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------------|----------|
| -----                       |        |       |          |          |             |          |
| Internal Standards          |        |       |          |          |             |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 121387   | 50.000   | ug/l        | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.745  | 114   | 239256   | 50.000   | ug/l        | 0.00     |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 246924   | 50.000   | ug/l        | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 124979   | 50.000   | ug/l        | 0.00     |
|                             |        |       |          |          |             |          |
| System Monitoring Compounds |        |       |          |          |             |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 105451   | 60.405   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 120.820%# |          |
| 35) Dibromofluoromethane    | 5.373  | 113   | 78112    | 57.263   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 114.520%  |          |
| 50) Toluene-d8              | 8.635  | 98    | 289433   | 48.067   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 96.140%   |          |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 131178   | 58.237   | ug/l        | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 116.480%  |          |
|                             |        |       |          |          |             |          |
| Target Compounds            |        |       |          |          |             | Qvalue   |
| 16) Acetone                 | 2.374  | 43    | 1852     | 4.681    | ug/l        | 89       |
| 19) Methyl tert-butyl Ether | 3.105  | 73    | 11901    | 2.630    | ug/l        | 94       |
| -----                       |        |       |          |          |             |          |

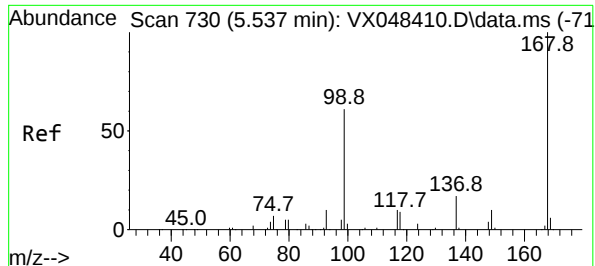
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048428.D  
Acq On : 31 Oct 2025 13:46  
Operator : JC/MD  
Sample : Q3495-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

Quant Time: Oct 31 23:05:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

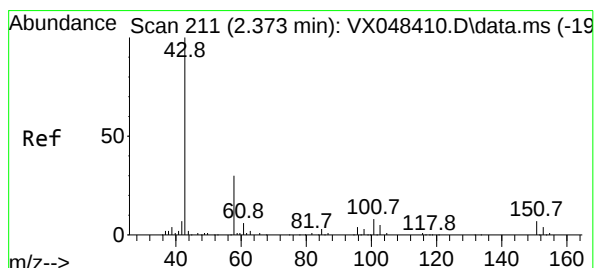
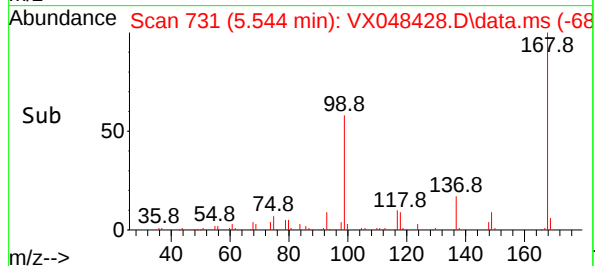
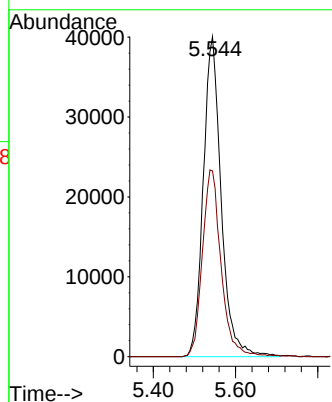
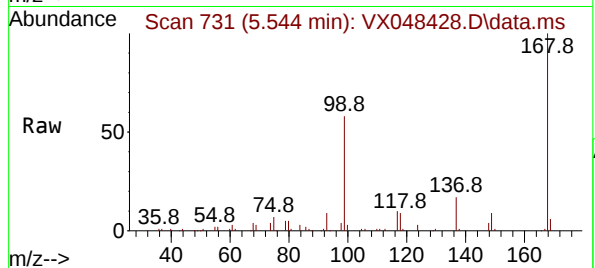




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.007 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

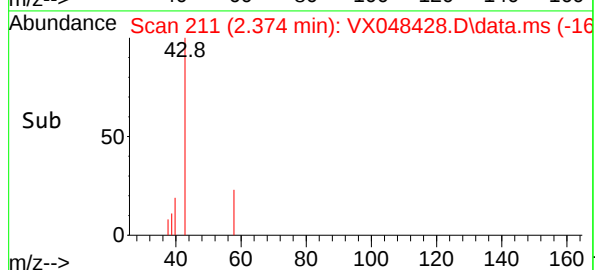
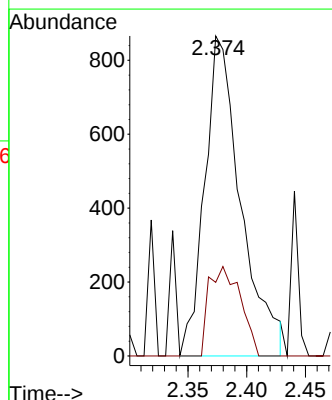
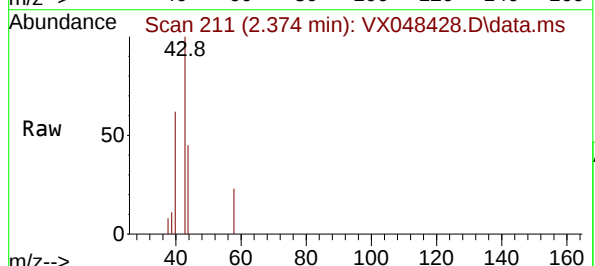
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

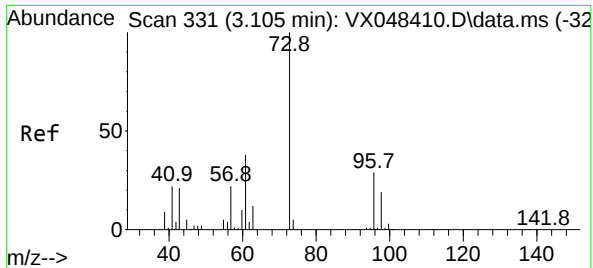
Tgt Ion:168 Resp: 121387  
Ion Ratio Lower Upper  
168 100  
99 58.0 46.4 69.6



#16  
Acetone  
Concen: 4.681 ug/l  
RT: 2.374 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

Tgt Ion: 43 Resp: 1852  
Ion Ratio Lower Upper  
43 100  
58 23.7 23.4 35.2

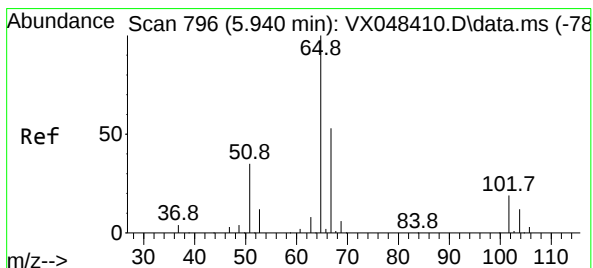
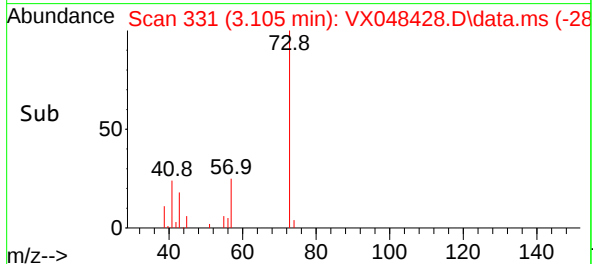
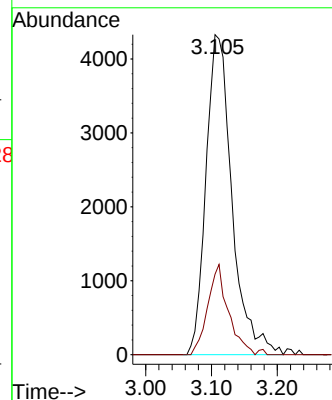
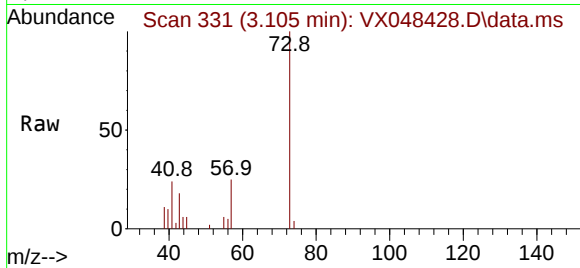




#19  
Methyl tert-butyl Ether  
Concen: 2.630 ug/l  
RT: 3.105 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

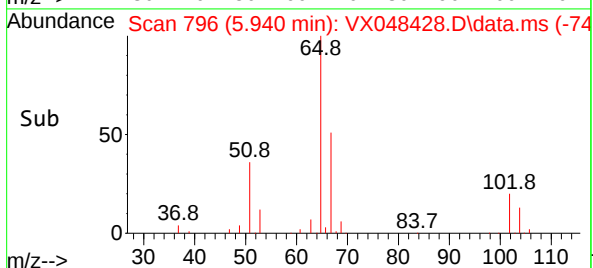
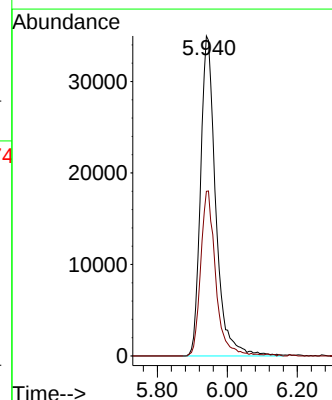
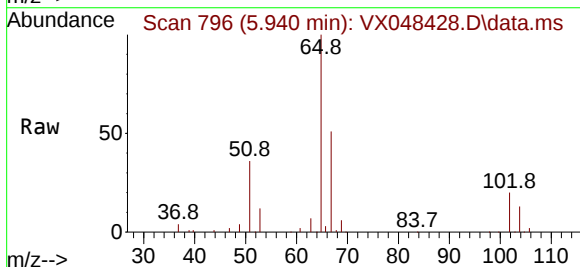
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

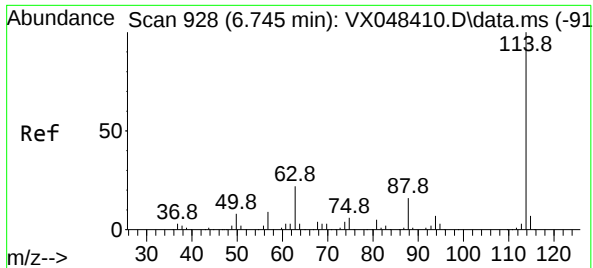
Tgt Ion: 73 Resp: 11901  
Ion Ratio Lower Upper  
73 100  
57 25.1 17.7 26.5



#33  
1,2-Dichloroethane-d4  
Concen: 60.405 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

Tgt Ion: 65 Resp: 105451  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 105.0

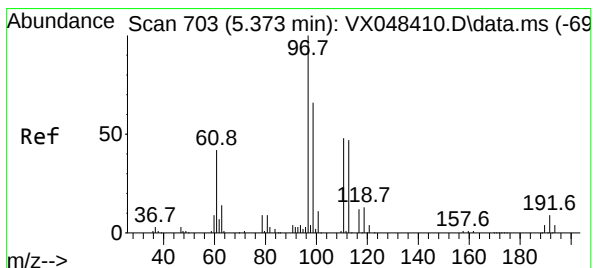
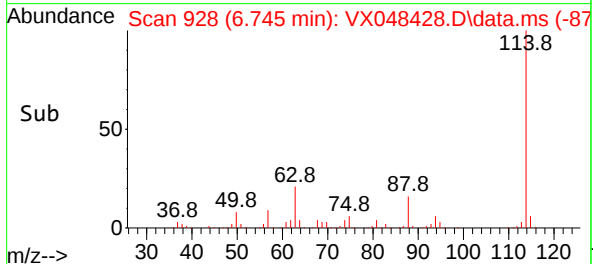
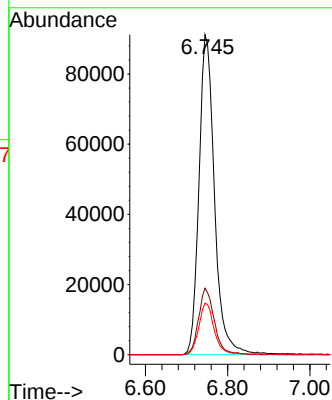
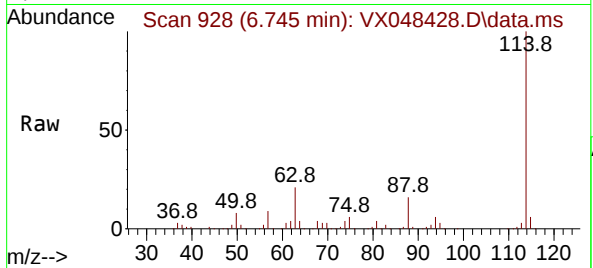




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

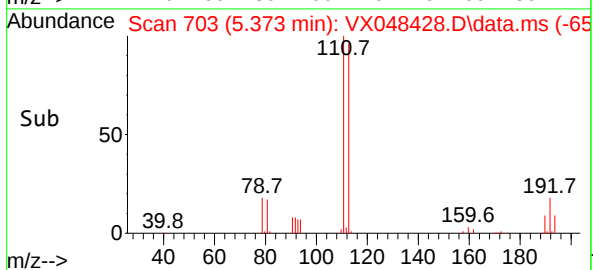
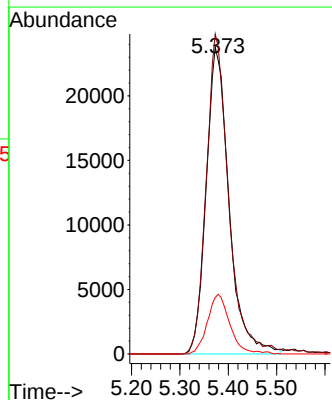
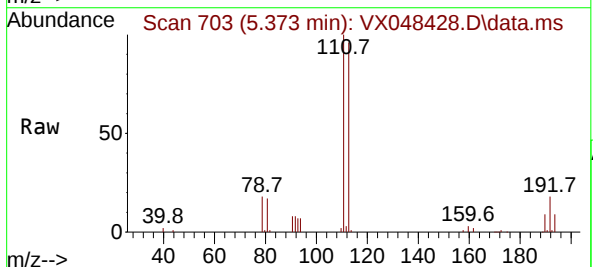
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

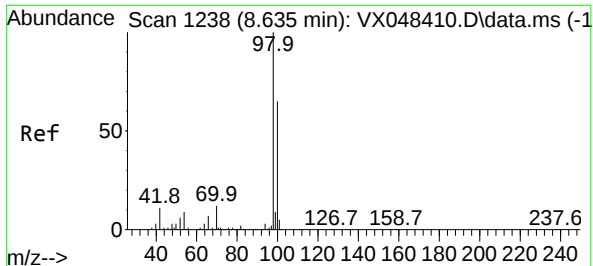
Tgt Ion:114 Resp: 239256  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 43.2  
88 16.1 0.0 33.6



#35  
Dibromofluoromethane  
Concen: 57.263 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

Tgt Ion:113 Resp: 78112  
Ion Ratio Lower Upper  
113 100  
111 100.7 82.2 123.4  
192 19.1 15.1 22.7





#50

Toluene-d8

Concen: 48.067 ug/l

RT: 8.635 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048428.D

Acq: 31 Oct 2025 13:46

Instrument :

MSVOA\_X

ClientSampleId :

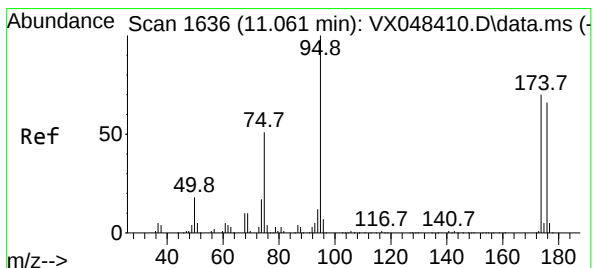
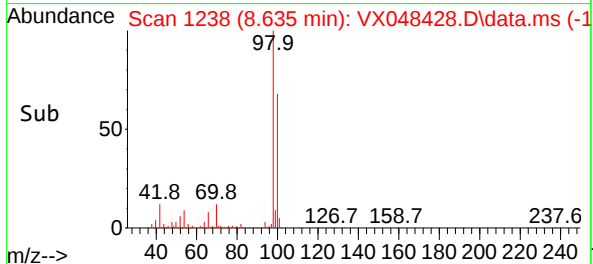
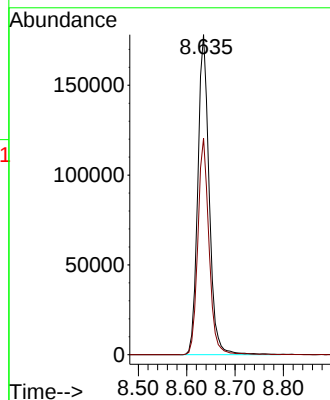
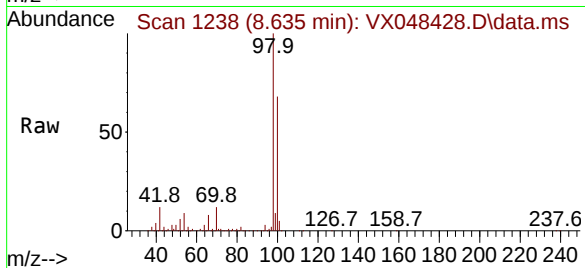
TW-1025-1

Tgt Ion: 98 Resp: 289433

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 58.237 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.000 min

Lab File: VX048428.D

Acq: 31 Oct 2025 13:46

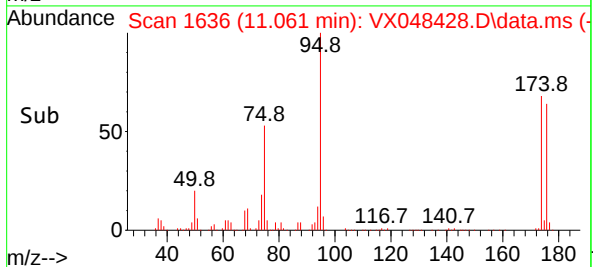
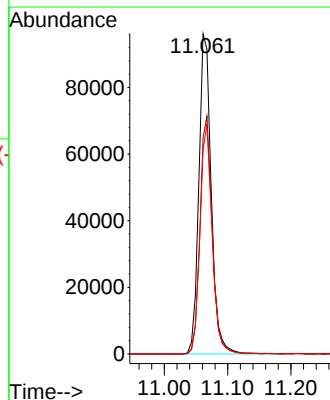
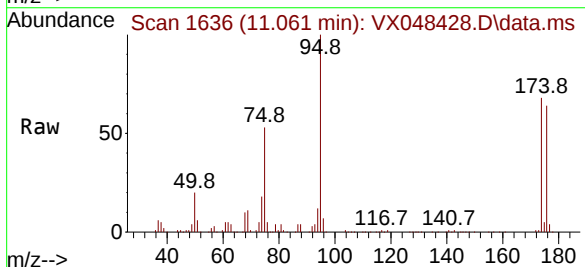
Tgt Ion: 95 Resp: 131178

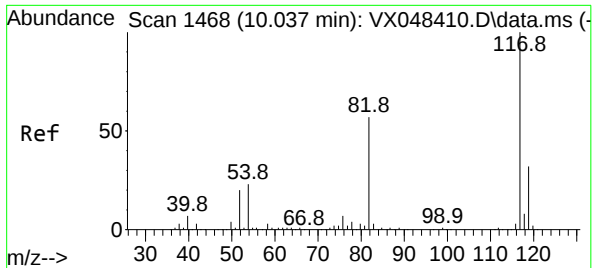
Ion Ratio Lower Upper

95 100

174 73.3 0.0 147.8

176 70.7 0.0 142.8

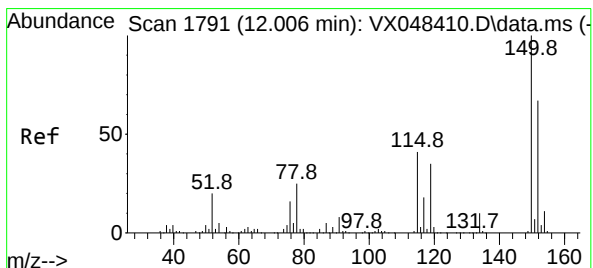
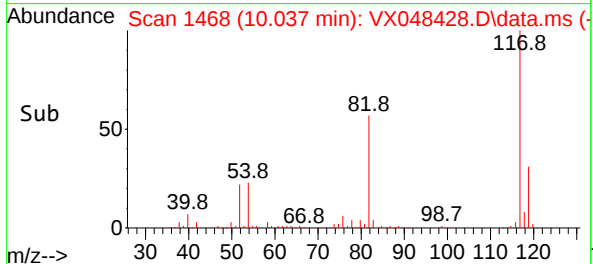
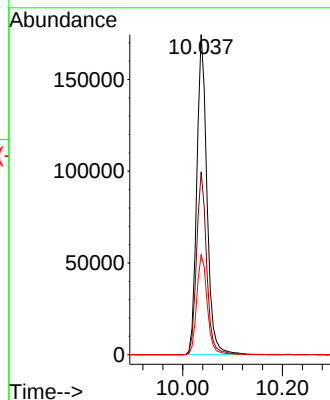
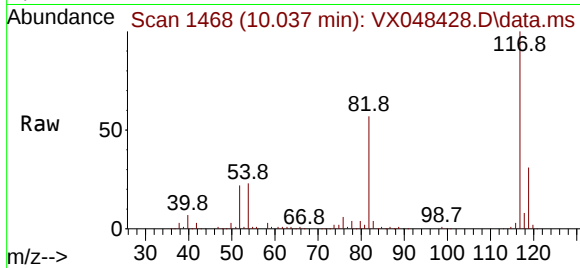




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

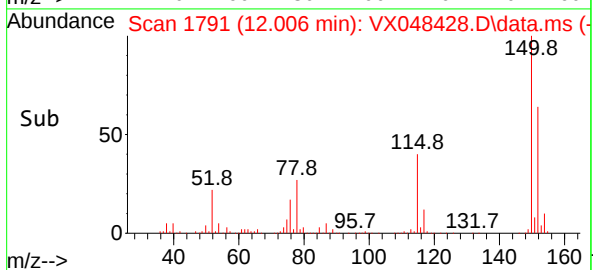
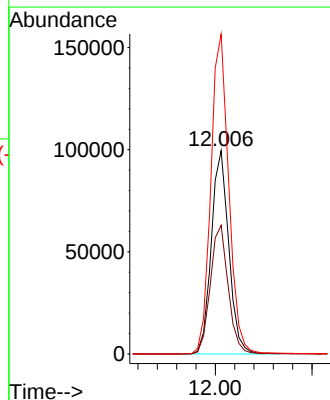
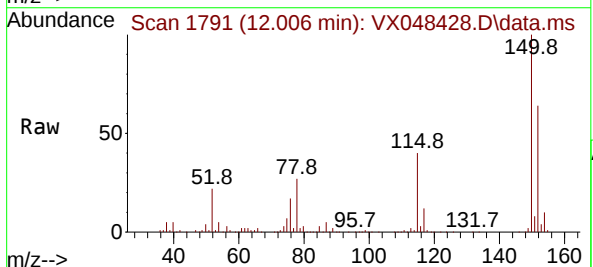
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

Tgt Ion:117 Resp: 246924  
Ion Ratio Lower Upper  
117 100  
82 57.2 46.5 69.7  
119 31.2 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX048428.D  
Acq: 31 Oct 2025 13:46

Tgt Ion:152 Resp: 124979  
Ion Ratio Lower Upper  
152 100  
115 64.9 43.1 129.4  
150 161.7 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048428.D  
Acq On : 31 Oct 2025 13:46  
Operator : JC/MD  
Sample : Q3495-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Title : SW846 8260

Signal : TIC: VX048428.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 3.111       | 322           | 332         | 341          | rBV      | 9653           | 25538         | 3.20%           | 0.573%        |
| 2         | 5.373       | 692           | 703         | 719          | rBV4     | 78613          | 251007        | 31.49%          | 5.631%        |
| 3         | 5.538       | 719           | 730         | 750          | rVB      | 115907         | 361050        | 45.30%          | 8.099%        |
| 4         | 5.946       | 786           | 797         | 815          | rBV      | 94290          | 279242        | 35.04%          | 6.264%        |
| 5         | 6.745       | 919           | 928         | 946          | rBV      | 215234         | 562959        | 70.63%          | 12.628%       |
| 6         | 8.635       | 1229          | 1238        | 1255         | rBV      | 480985         | 789080        | 99.00%          | 17.701%       |
| 7         | 10.037      | 1462          | 1468        | 1486         | rVB      | 542419         | 771494        | 96.80%          | 17.306%       |
| 8         | 11.061      | 1631          | 1636        | 1649         | rBV      | 447936         | 620476        | 77.85%          | 13.919%       |
| 9         | 12.006      | 1785          | 1791        | 1805         | rBV      | 610244         | 797030        | 100.00%         | 17.879%       |

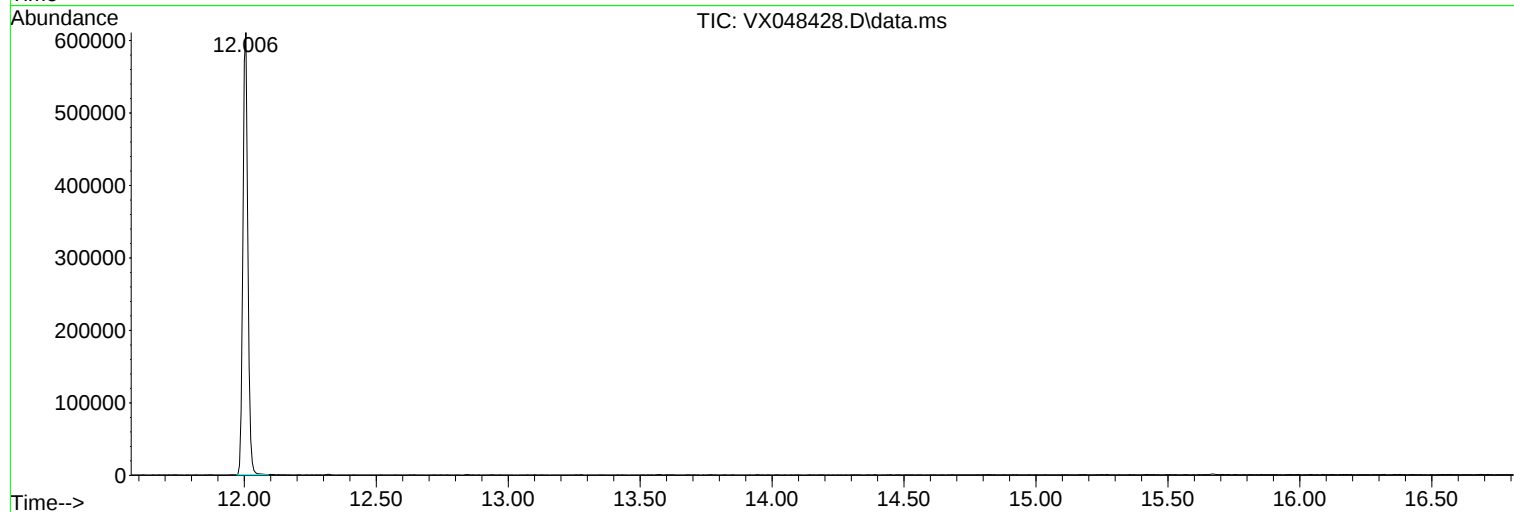
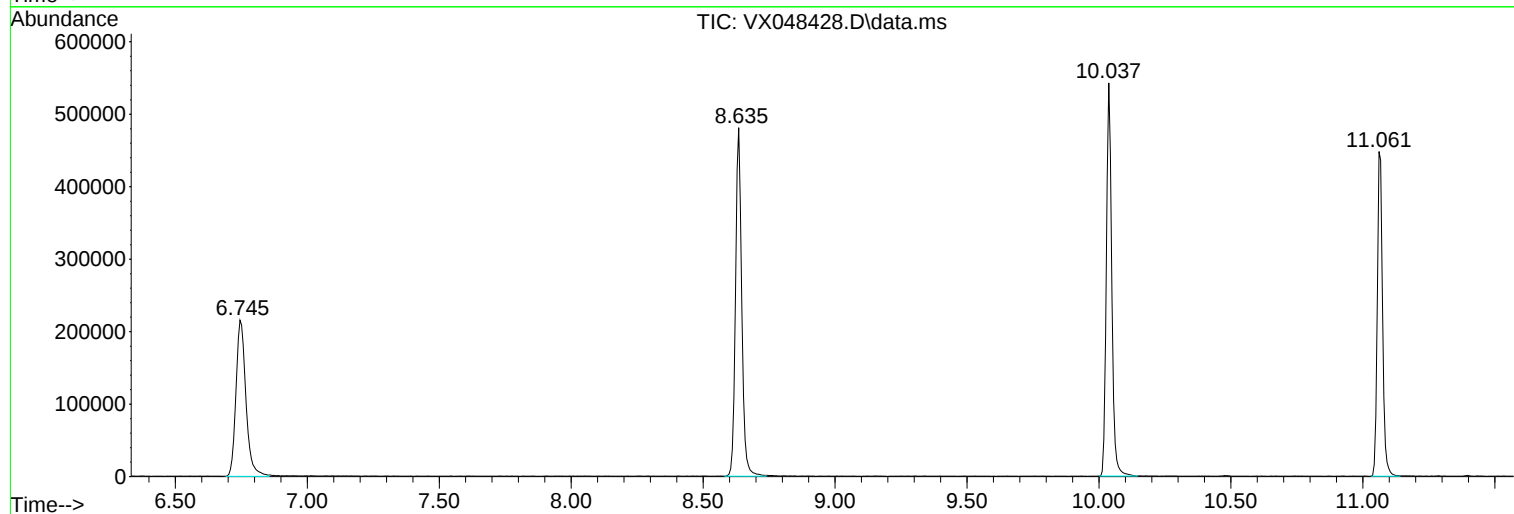
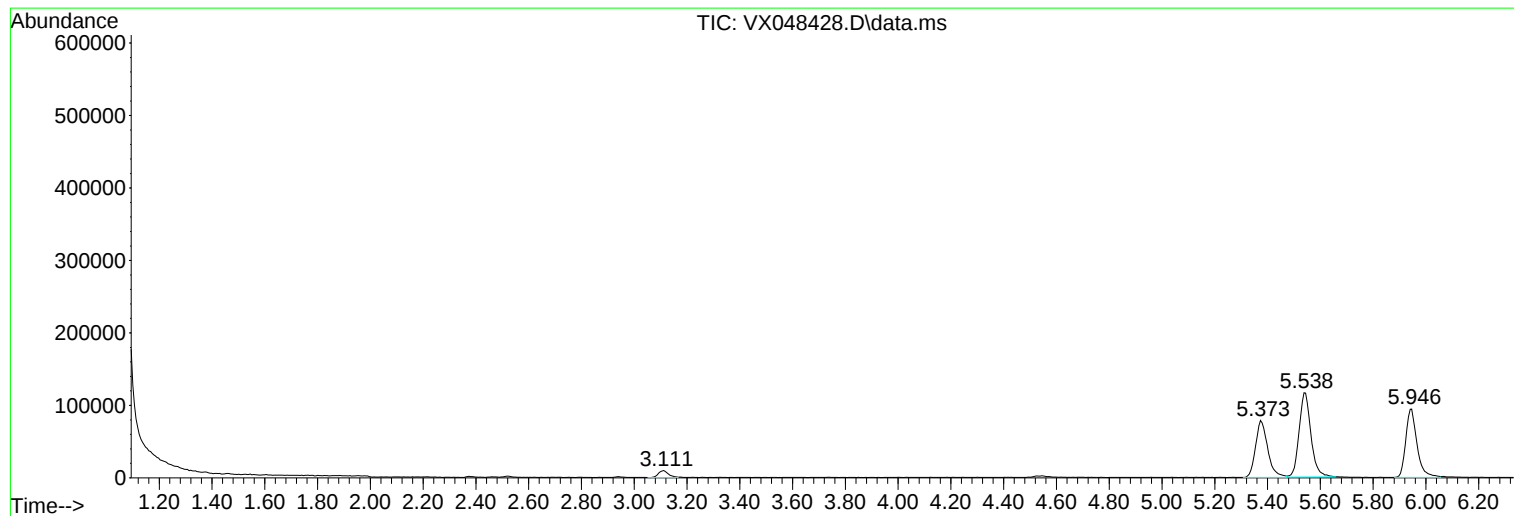
Sum of corrected areas: 4457876

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048428.D  
Acq On : 31 Oct 2025 13:46  
Operator : JC/MD  
Sample : Q3495-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048428.D  
Acq On : 31 Oct 2025 13:46  
Operator : JC/MD  
Sample : Q3495-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048428.D  
Acq On : 31 Oct 2025 13:46  
Operator : JC/MD  
Sample : Q3495-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: TW-1025-1RE  
 Lab Sample ID: Q3495-03RE  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/27/25  
 Date Received: 10/29/25  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| 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  | 11/03/25 14:59 | VX110325 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 67-64-1        | Acetone                        | 3.00  | J    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 1.90  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 0.89  | U    | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 0.18  | U    | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 0.13  | U    | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 0.24  | U    | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 95-47-6        | o-Xylene                       | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 100-42-5       | Styrene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |
| 75-25-2        | Bromoform                      | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 14:59 | VX110325 |

## Report of Analysis

|                                       |                          |  |
|---------------------------------------|--------------------------|--|
| Client: Remington & Vernick Engineers | Date Collected: 10/27/25 |  |
| Project: Maclearie Park               | Date Received: 10/29/25  |  |
| Client Sample ID: TW-1025-1RE         | SDG No.: Q3495           |  |
| Lab Sample ID: Q3495-03RE             | Matrix: Water            |  |
| Analytical Method: 8260D              | % Solid: 0               |  |
| Sample Wt/Vol: 5 mL                   | Test: VOC-TCLVOA-10      |  |
| Level: LOW                            |                          |  |
| Final Vol: 5000 uL                    |                          |  |

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 0.12              | U    | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26              | U    | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19              | U    | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53              | U    | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 14:59 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 47.8              |      |    | 74 - 125 | 96%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 51.0              |      |    | 75 - 124 | 102%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 38.7              | *    |    | 86 - 113 | 77%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 39.4              |      |    | 77 - 121 | 79%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 146000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 263000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 207000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 101000            |      |    |          |            |         |                |          |

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\_X\Data\VX110325\  
 Data File : VX048456.D  
 Acq On : 03 Nov 2025 14:59  
 Operator : JC/MD  
 Sample : Q3495-03RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-1025-1RE

Quant Time: Nov 04 00:14:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

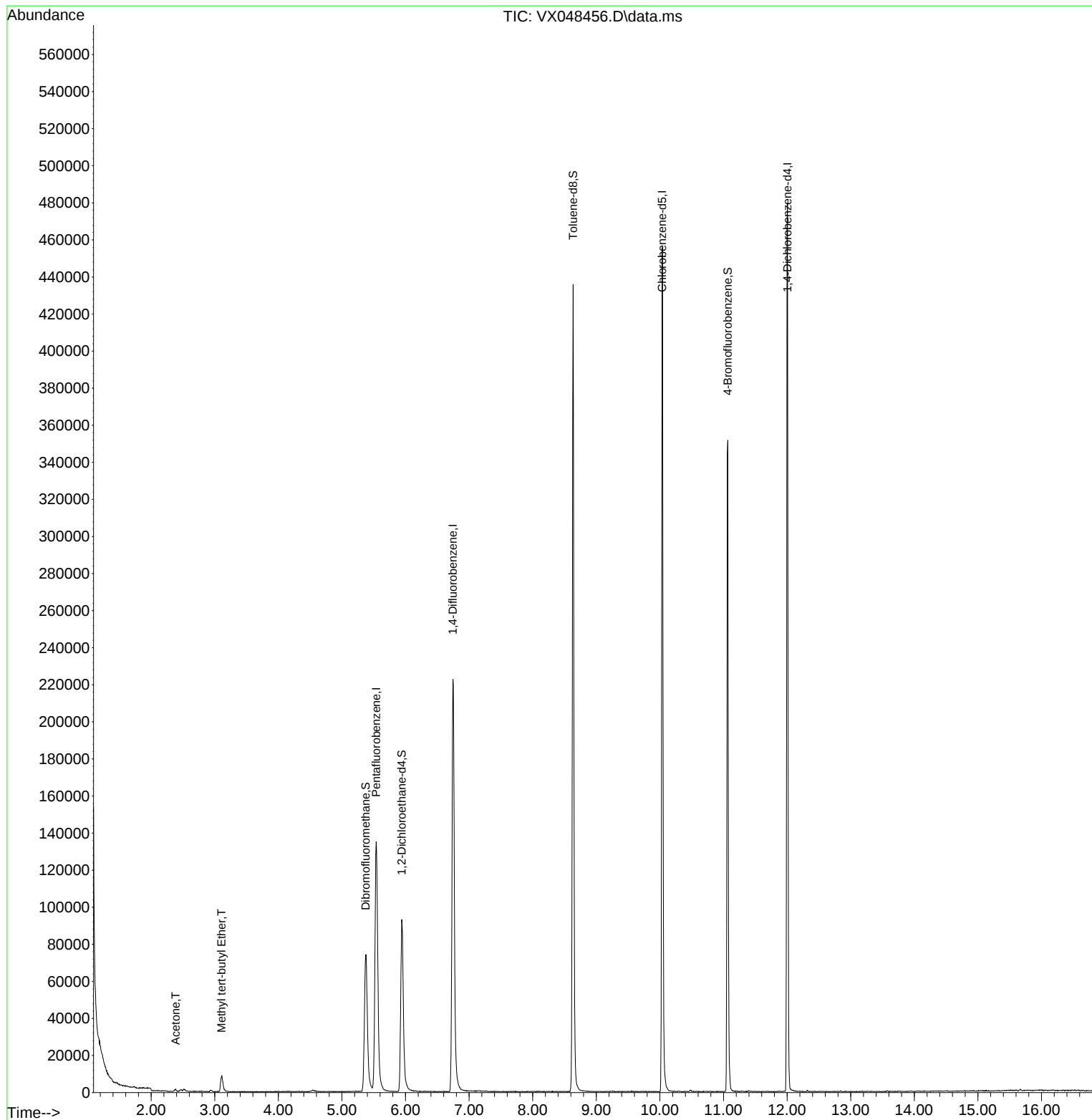
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.537  | 168   | 146009   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.745  | 114   | 263069   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 207013   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 101418   | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 100460   | 47.842   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 95.680%  |
| 35) Dibromofluoromethane    | 5.373  | 113   | 76564    | 51.048   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 102.100% |
| 50) Toluene-d8              | 8.634  | 98    | 256435   | 38.732   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 77.460%# |
| 62) 4-Bromofluorobenzene    | 11.067 | 95    | 97496    | 39.365   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 78.740%# |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 2.386  | 43    | 1438     | 3.022    | ug/l # | 78       |
| 19) Methyl tert-butyl Ether | 3.105  | 73    | 10356    | 1.903    | ug/l   | 100      |
| -----                       |        |       |          |          |        |          |

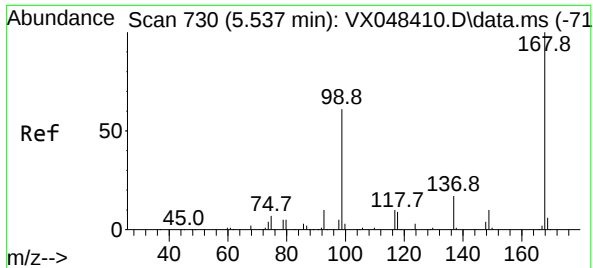
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048456.D  
Acq On : 03 Nov 2025 14:59  
Operator : JC/MD  
Sample : Q3495-03RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1RE

Quant Time: Nov 04 00:14:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration



#1  
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.537 min Scan# 71

Delta R.T. 0.000 min

Lab File: VX048456.D

Acq: 03 Nov 2025 14:59

Instrument :

MSVOA\_X

ClientSampleId :

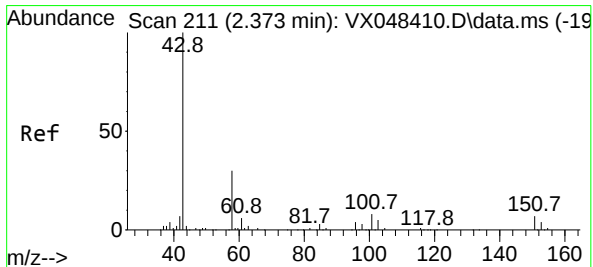
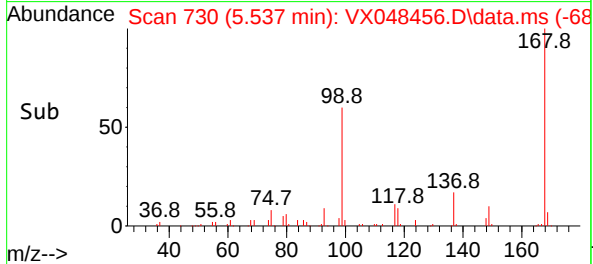
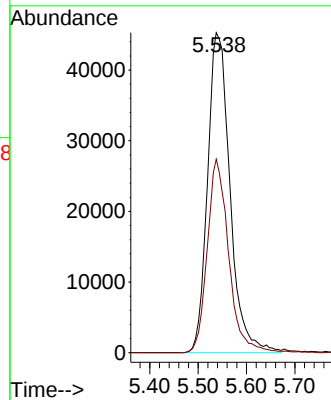
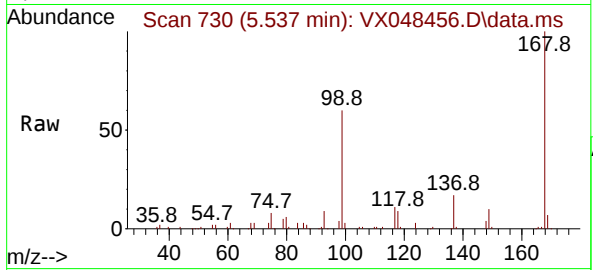
TW-1025-1RE

Tgt Ion:168 Resp: 146009

Ion Ratio Lower Upper

168 100

99 60.4 46.4 69.6



#16

Acetone

Concen: 3.022 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.012 min

Lab File: VX048456.D

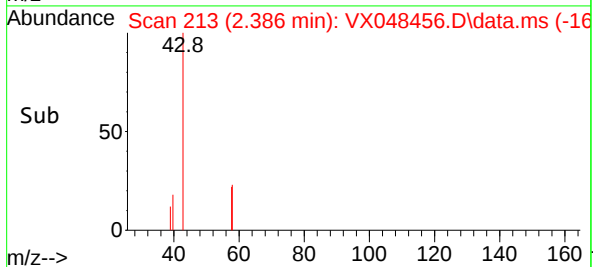
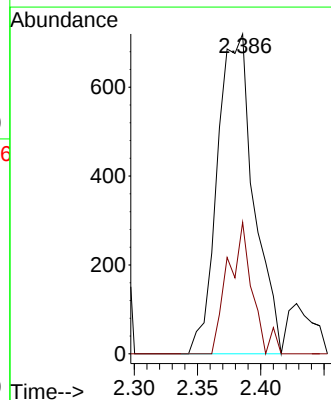
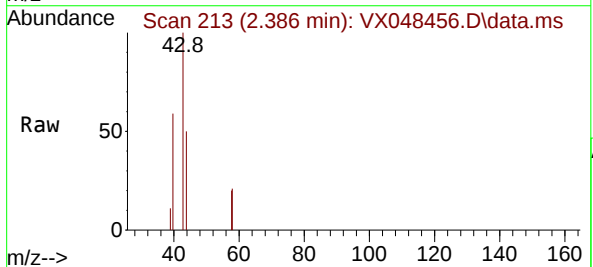
Acq: 03 Nov 2025 14:59

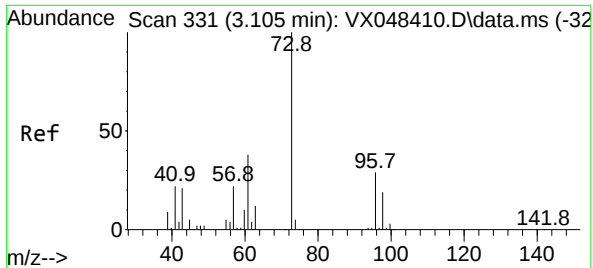
Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

43 100

58 41.1 23.4 35.2#





#19

Methyl tert-butyl Ether

Concen: 1.903 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX048456.D

Acq: 03 Nov 2025 14:59

Instrument :

MSVOA\_X

ClientSampleId :

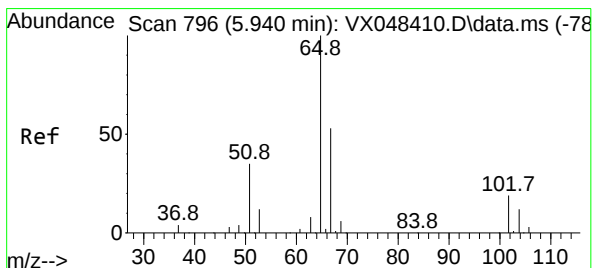
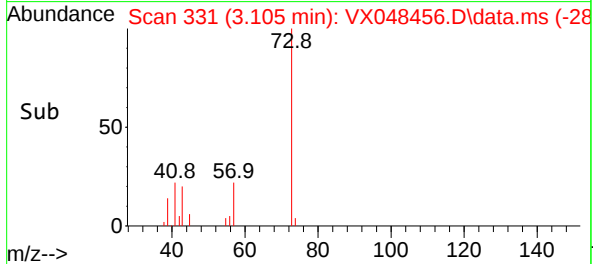
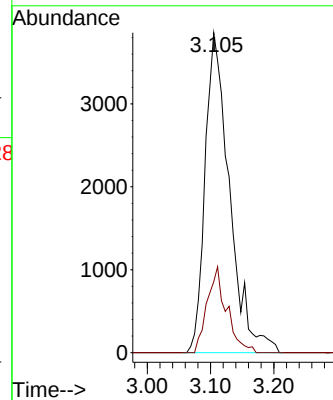
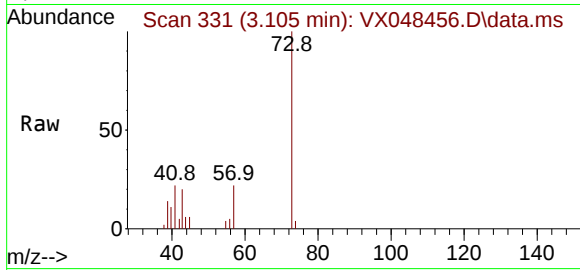
TW-1025-1RE

Tgt Ion: 73 Resp: 10356

Ion Ratio Lower Upper

73 100

57 22.2 17.7 26.5



#33

1,2-Dichloroethane-d4

Concen: 47.842 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048456.D

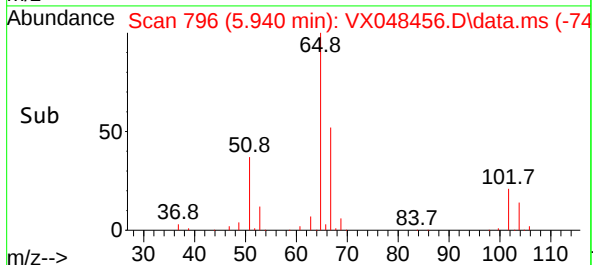
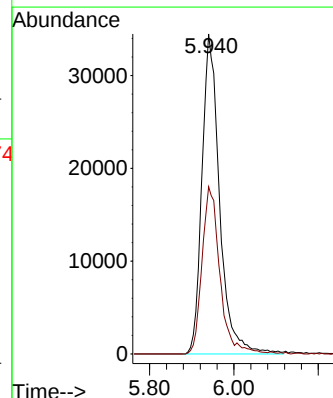
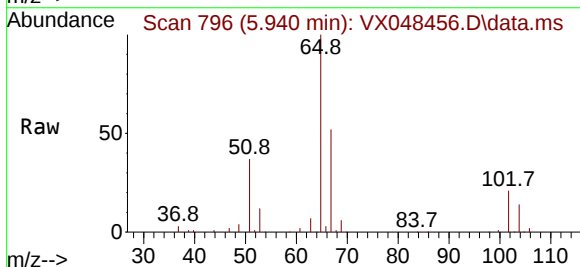
Acq: 03 Nov 2025 14:59

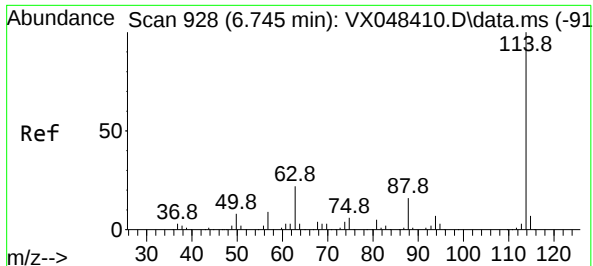
Tgt Ion: 65 Resp: 100460

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.0

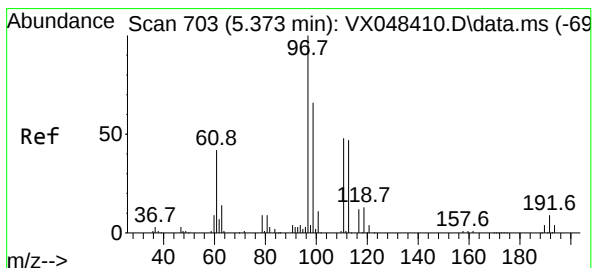
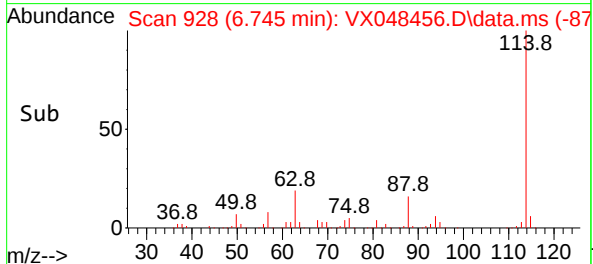
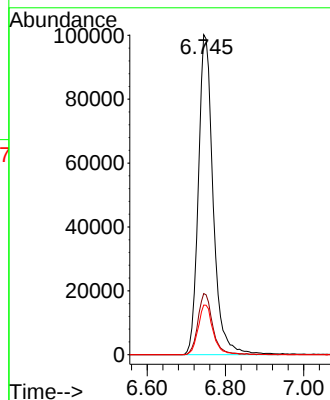
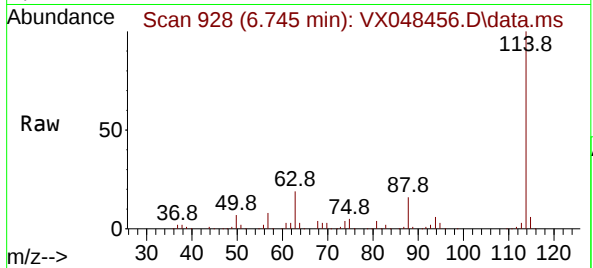




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX048456.D  
Acq: 03 Nov 2025 14:59

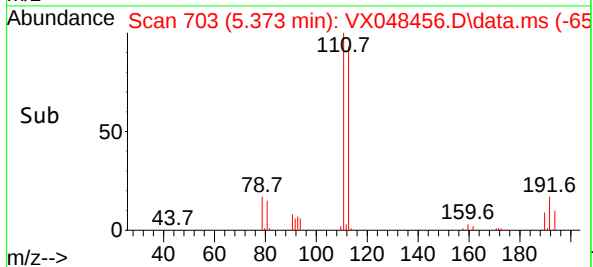
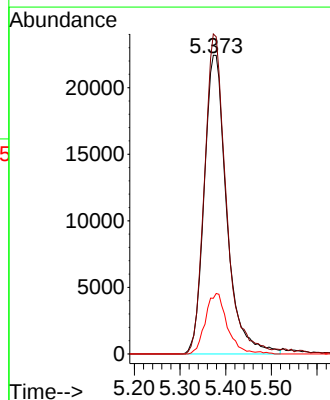
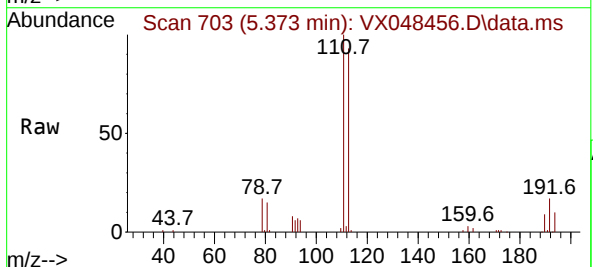
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1025-1RE

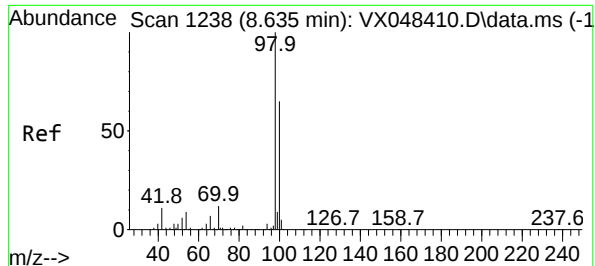
Tgt Ion:114 Resp: 263069  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 43.2  
88 15.5 0.0 33.6



#35  
Dibromofluoromethane  
Concen: 51.048 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048456.D  
Acq: 03 Nov 2025 14:59

Tgt Ion:113 Resp: 76564  
Ion Ratio Lower Upper  
113 100  
111 102.8 82.2 123.4  
192 19.5 15.1 22.7





#50

Toluene-d8

Concen: 38.732 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min MSVOA\_X

Lab File: VX048456.D

Acq: 03 Nov 2025 14:59

Instrument :

MSVOA\_X

ClientSampleId :

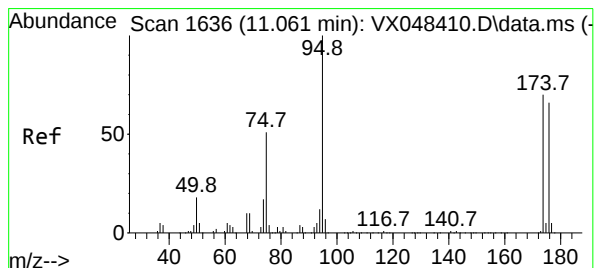
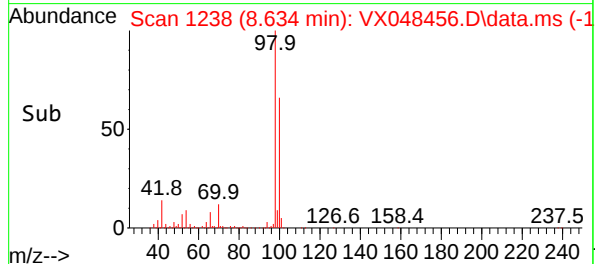
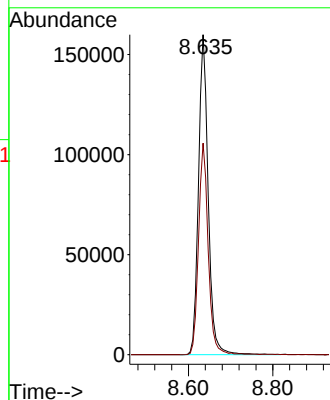
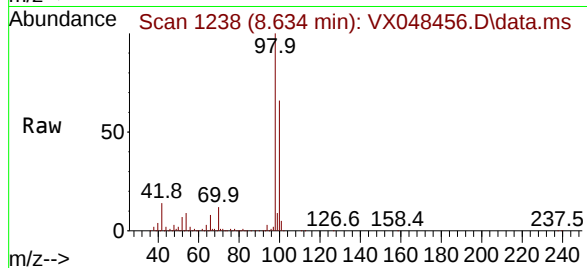
TW-1025-1RE

Tgt Ion: 98 Resp: 256435

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 39.365 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX048456.D

Acq: 03 Nov 2025 14:59

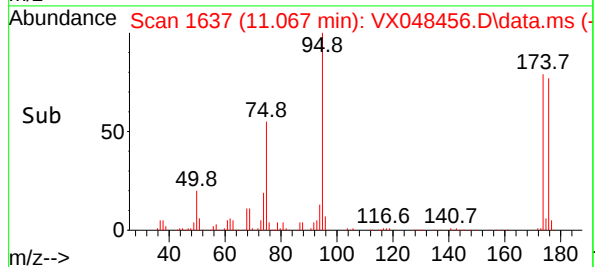
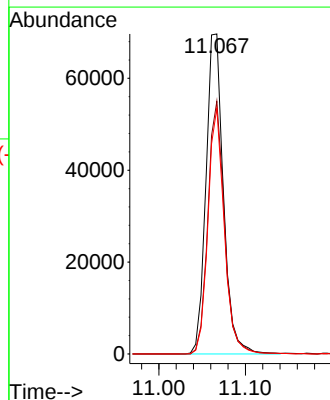
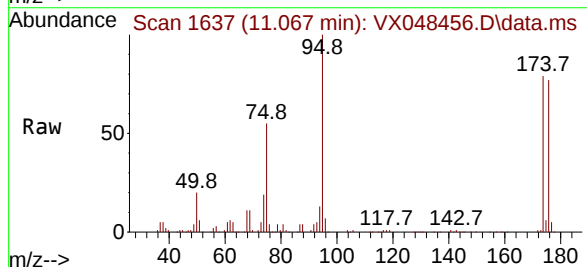
Tgt Ion: 95 Resp: 97496

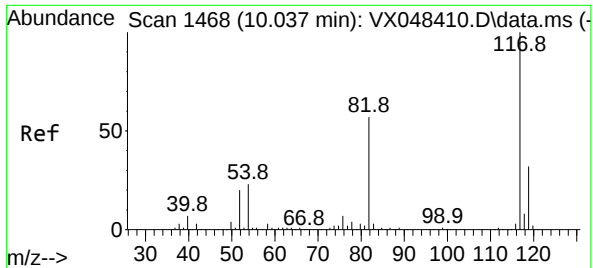
Ion Ratio Lower Upper

95 100

174 75.3 0.0 147.8

176 71.9 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048456.D

Acq: 03 Nov 2025 14:59

Instrument :

MSVOA\_X

ClientSampleId :

TW-1025-1RE

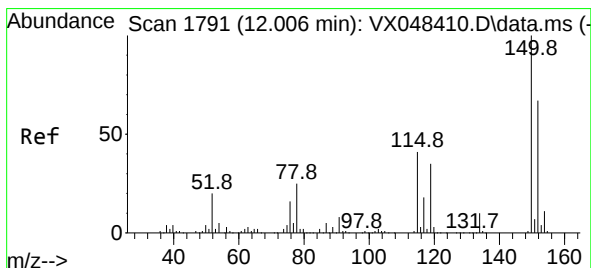
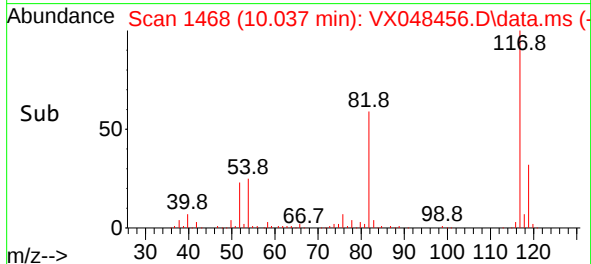
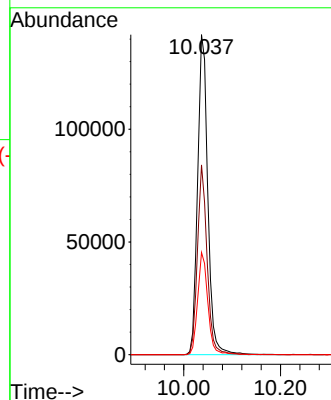
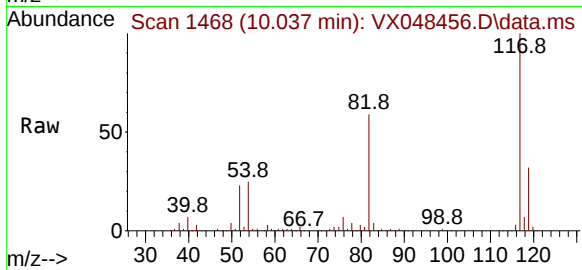
Tgt Ion:117 Resp: 207013

Ion Ratio Lower Upper

117 100

82 59.3 46.5 69.7

119 31.9 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048456.D

Acq: 03 Nov 2025 14:59

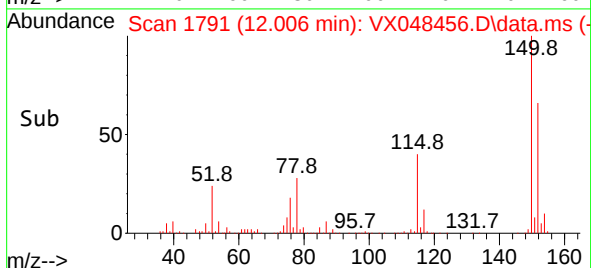
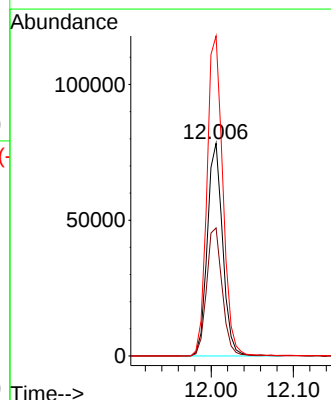
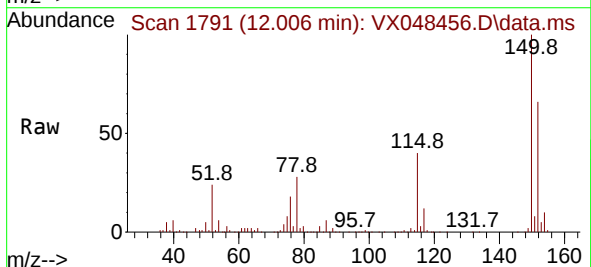
Tgt Ion:152 Resp: 101418

Ion Ratio Lower Upper

152 100

115 61.6 43.1 129.4

150 155.3 0.0 353.0



### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: TB  
 Lab Sample ID: Q3495-04  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/24/25  
 Date Received: 10/29/25  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| 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  | 11/03/25 15:20 | VX110325 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 0.89  | U    | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 0.18  | U    | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 0.13  | U    | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 0.24  | U    | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 95-47-6        | o-Xylene                       | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 100-42-5       | Styrene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |
| 75-25-2        | Bromoform                      | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 15:20 | VX110325 |

## Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: TB  
 Lab Sample ID: Q3495-04  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected: 10/24/25  
 Date Received: 10/29/25  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 0.12              | U    | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26              | U    | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19              | U    | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53              | U    | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 15:20 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 46.4              |      |    | 74 - 125 | 93%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 58.9              |      |    | 75 - 124 | 118%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 43.2              |      |    | 86 - 113 | 86%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 43.5              |      |    | 77 - 121 | 87%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 163000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 253000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 219000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 107000            |      |    |          |            |         |                |          |

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\_X\Data\VX110325\  
 Data File : VX048457.D  
 Acq On : 03 Nov 2025 15:20  
 Operator : JC/MD  
 Sample : Q3495-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB

Quant Time: Nov 04 00:14:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.537  | 168  | 163243   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 253289   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 218816   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 107167   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 108896   | 46.384   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 92.760%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 84990    | 58.853   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 117.700% |
| 50) Toluene-d8              | 8.634  | 98    | 275410   | 43.204   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 86.400%# |
| 62) 4-Bromofluorobenzene    | 11.067 | 95    | 103711   | 43.492   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 86.980%  |

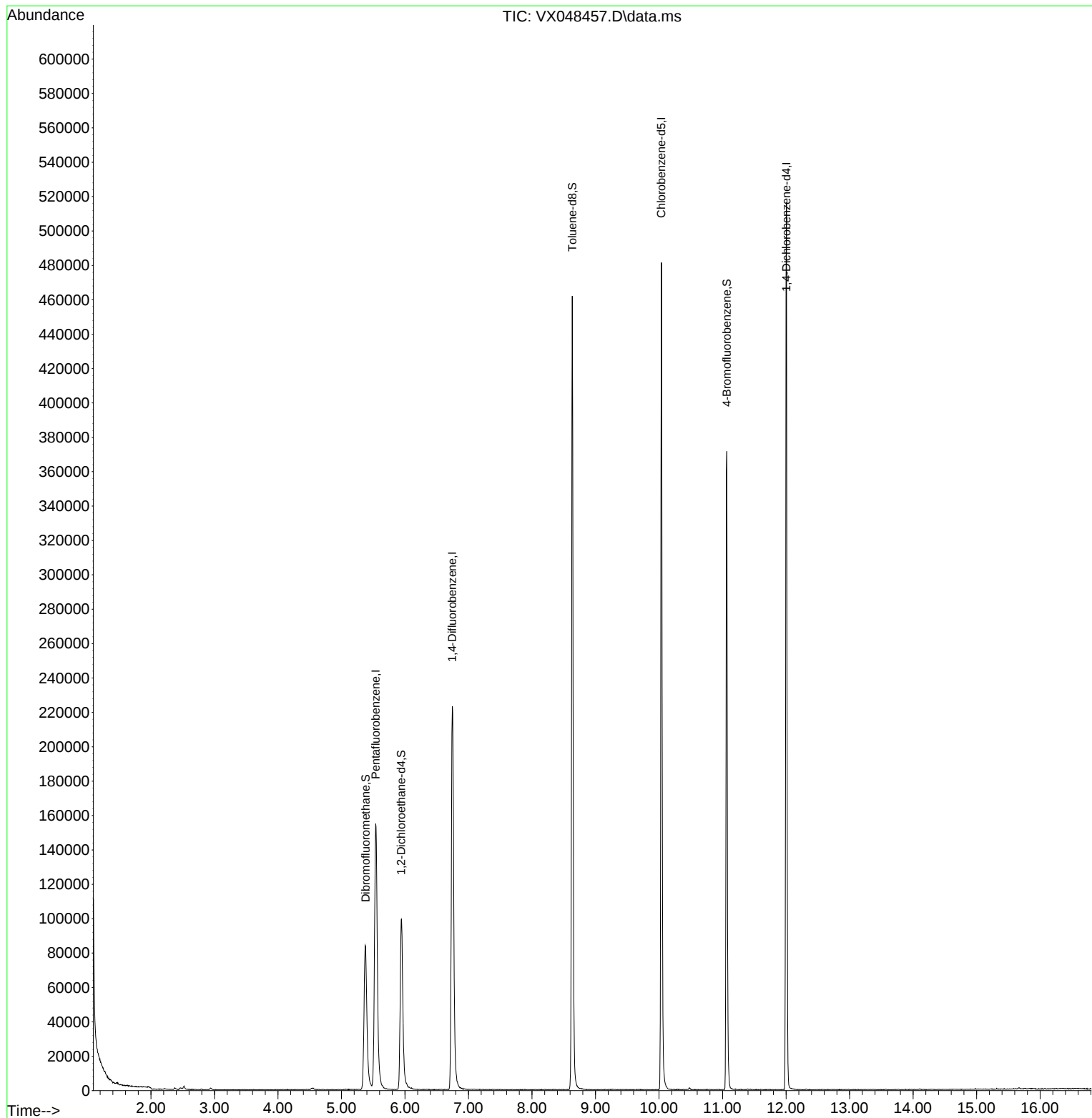
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

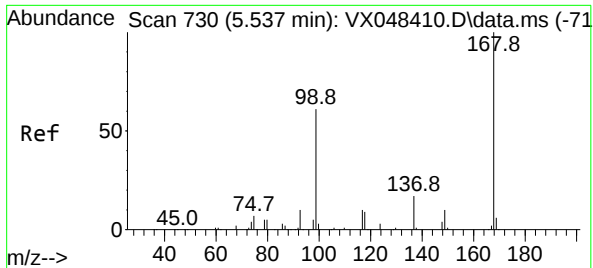
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048457.D  
Acq On : 03 Nov 2025 15:20  
Operator : JC/MD  
Sample : Q3495-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

Quant Time: Nov 04 00:14:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

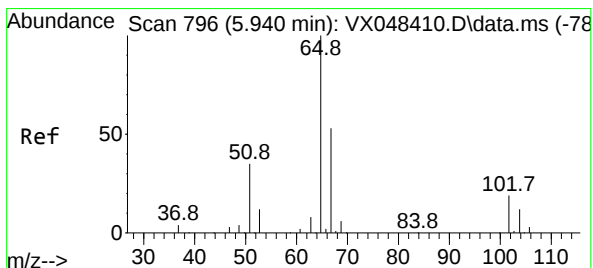
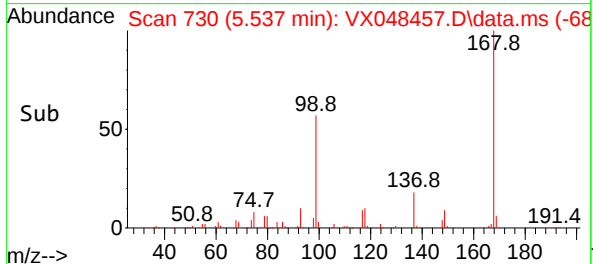
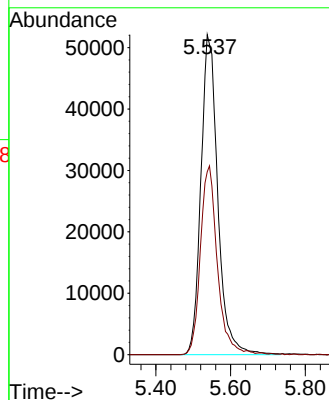
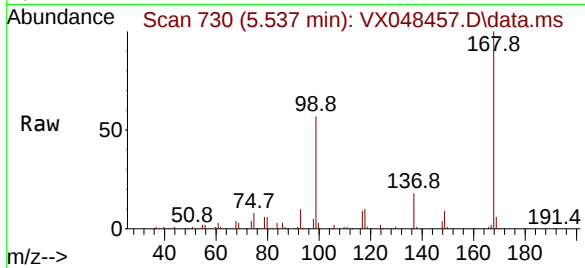




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. 0.000 min  
Lab File: VX048457.D  
Acq: 03 Nov 2025 15:20

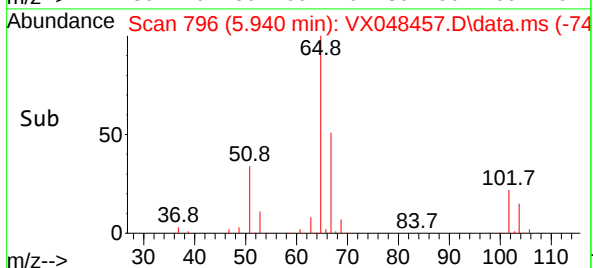
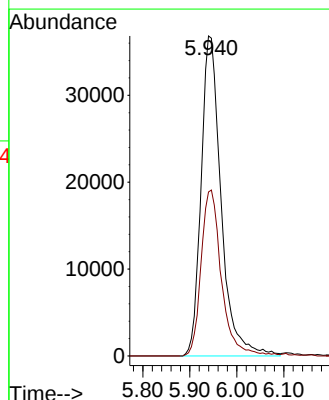
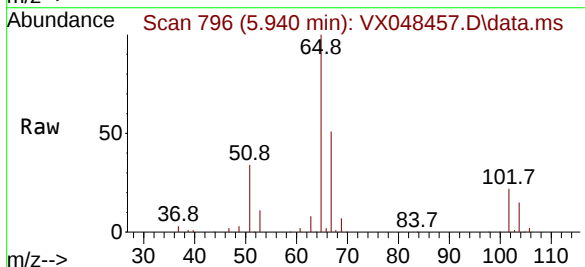
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

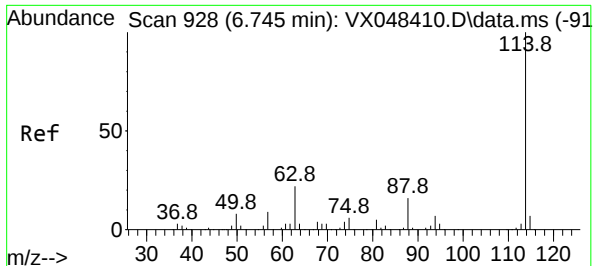
Tgt Ion:168 Resp: 163243  
Ion Ratio Lower Upper  
168 100  
99 57.1 46.4 69.6



#33  
1,2-Dichloroethane-d4  
Concen: 46.384 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX048457.D  
Acq: 03 Nov 2025 15:20

Tgt Ion: 65 Resp: 108896  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048457.D

Acq: 03 Nov 2025 15:20

Instrument :

MSVOA\_X

ClientSampleId :

TB

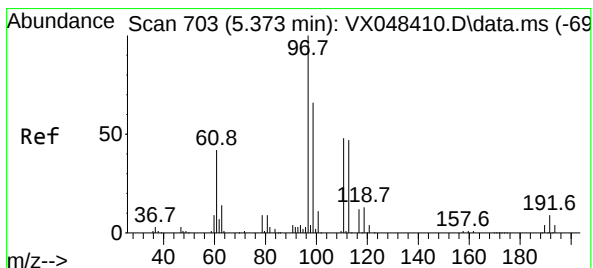
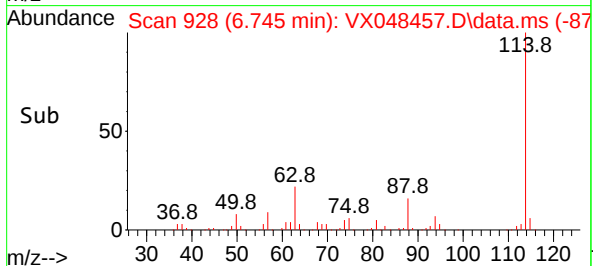
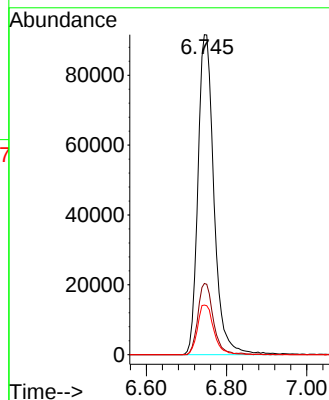
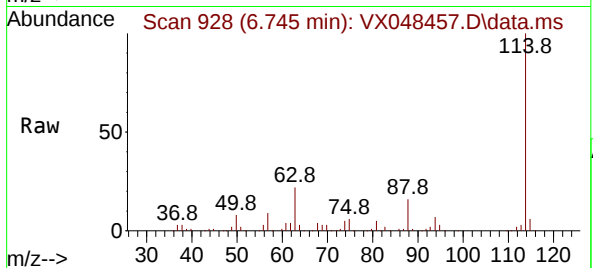
Tgt Ion:114 Resp: 253289

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

88 15.5 0.0 33.6



#35

Dibromofluoromethane

Concen: 58.853 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX048457.D

Acq: 03 Nov 2025 15:20

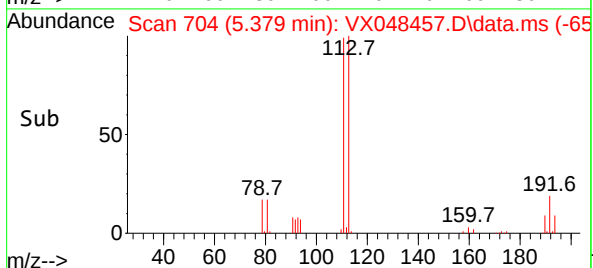
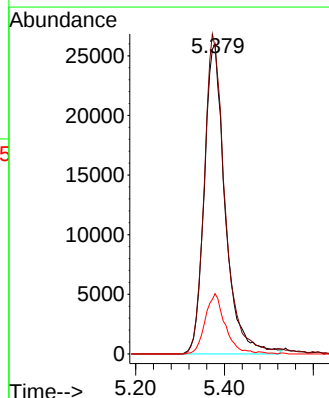
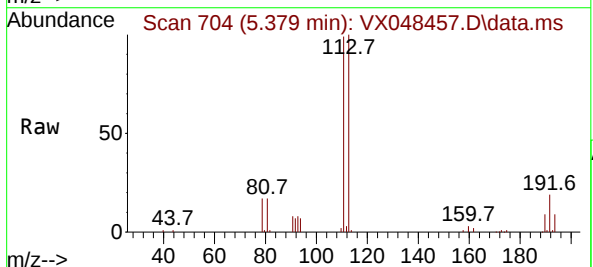
Tgt Ion:113 Resp: 84990

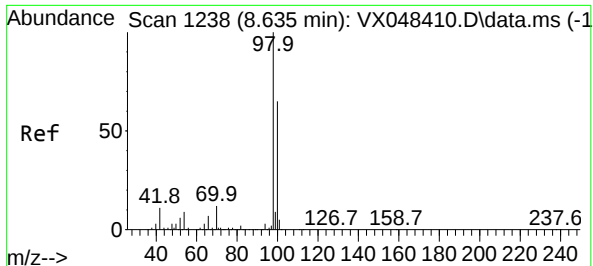
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 18.5 15.1 22.7





#50

Toluene-d8

Concen: 43.204 ug/l

RT: 8.634 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048457.D

Acq: 03 Nov 2025 15:20

Instrument :

MSVOA\_X

ClientSampleId :

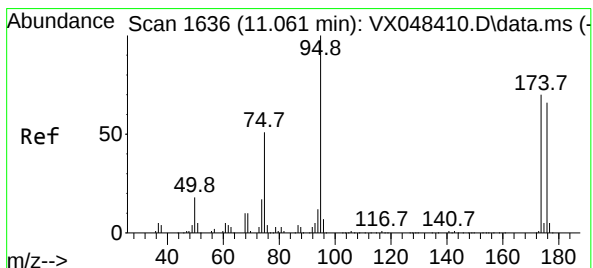
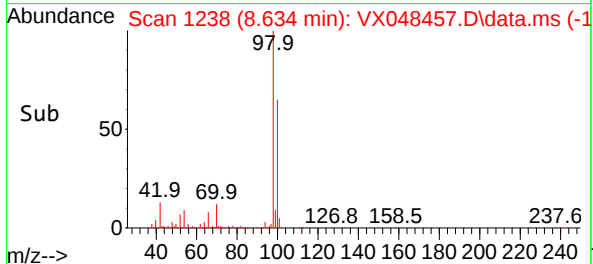
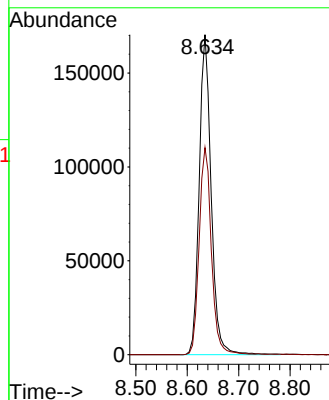
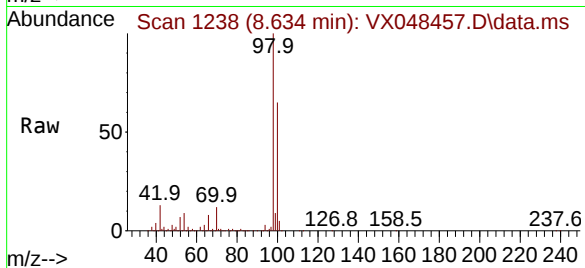
TB

Tgt Ion: 98 Resp: 275410

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 43.492 ug/l

RT: 11.067 min Scan# 1637

Delta R.T. 0.006 min

Lab File: VX048457.D

Acq: 03 Nov 2025 15:20

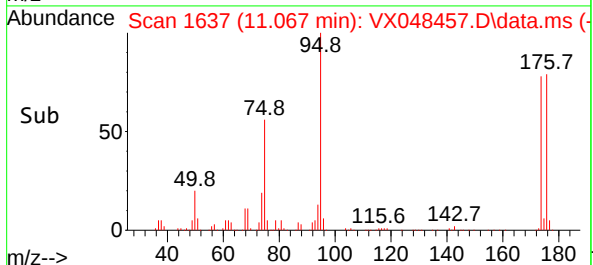
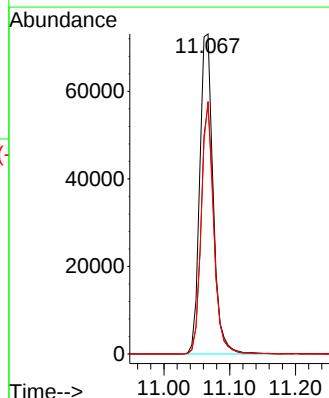
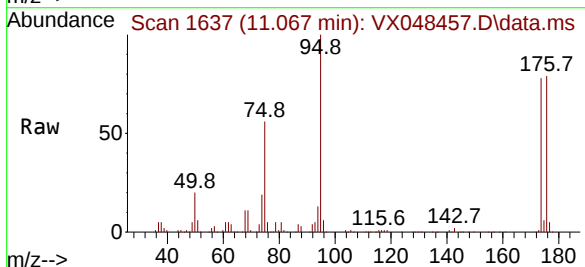
Tgt Ion: 95 Resp: 103711

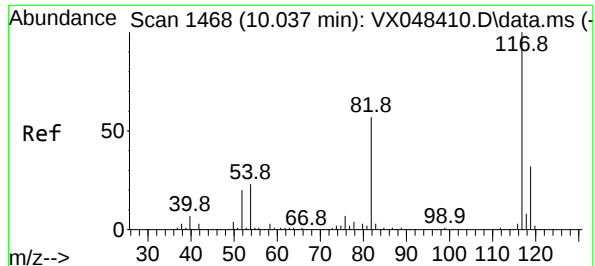
Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.8

176 72.8 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048457.D

Acq: 03 Nov 2025 15:20

Instrument :

MSVOA\_X

ClientSampleId :

TB

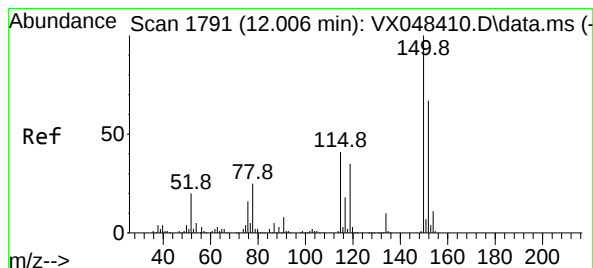
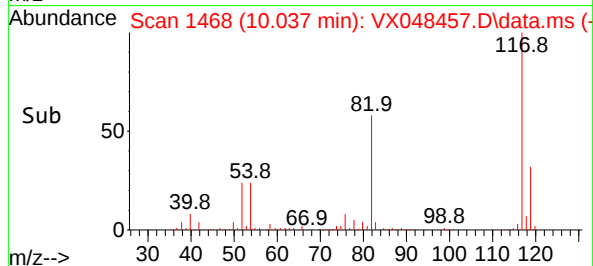
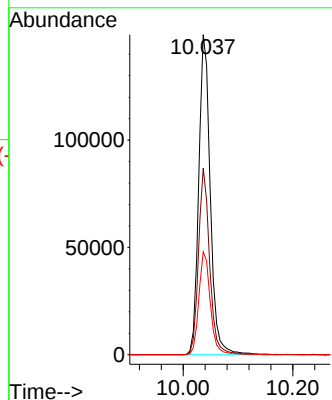
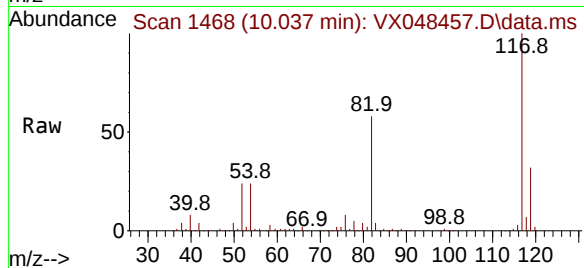
Tgt Ion:117 Resp: 218816

Ion Ratio Lower Upper

117 100

82 58.3 46.5 69.7

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048457.D

Acq: 03 Nov 2025 15:20

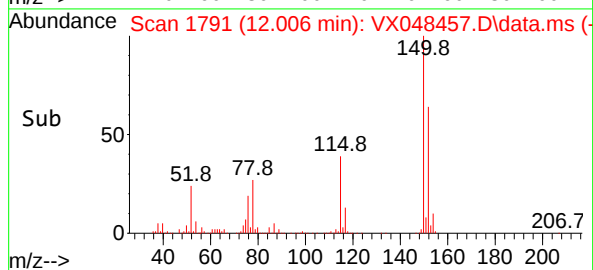
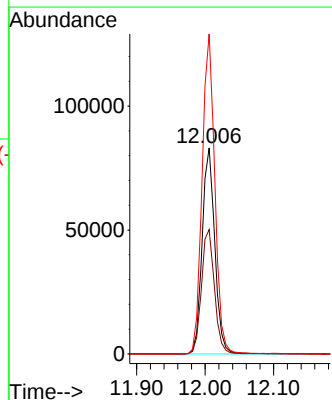
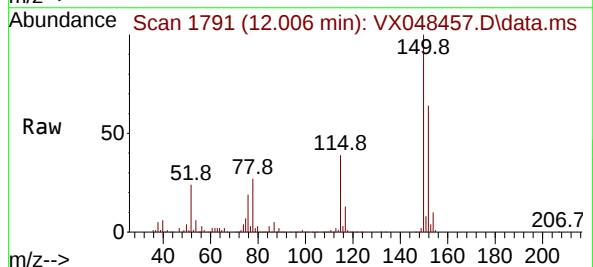
Tgt Ion:152 Resp: 107167

Ion Ratio Lower Upper

152 100

115 61.7 43.1 129.4

150 155.9 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048457.D  
Acq On : 03 Nov 2025 15:20  
Operator : JC/MD  
Sample : Q3495-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Title : SW846 8260

Signal : TIC: VX048457.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.373       | 691           | 703         | 720          | rBV2     | 84074          | 273054        | 35.67%          | 6.324%        |
| 2         | 5.537       | 720           | 730         | 756          | rVB      | 154406         | 484516        | 63.30%          | 11.221%       |
| 3         | 5.946       | 786           | 797         | 821          | rBV      | 99063          | 295121        | 38.56%          | 6.835%        |
| 4         | 6.745       | 918           | 928         | 948          | rBV      | 222952         | 601805        | 78.62%          | 13.937%       |
| 5         | 8.634       | 1229          | 1238        | 1259         | rBV      | 461611         | 765428        | 100.00%         | 17.727%       |
| 6         | 10.037      | 1462          | 1468        | 1489         | rBV      | 480993         | 696483        | 90.99%          | 16.130%       |
| 7         | 11.067      | 1631          | 1637        | 1649         | rBV      | 371259         | 518851        | 67.79%          | 12.016%       |
| 8         | 12.006      | 1785          | 1791        | 1805         | rBV      | 516059         | 682697        | 89.19%          | 15.811%       |

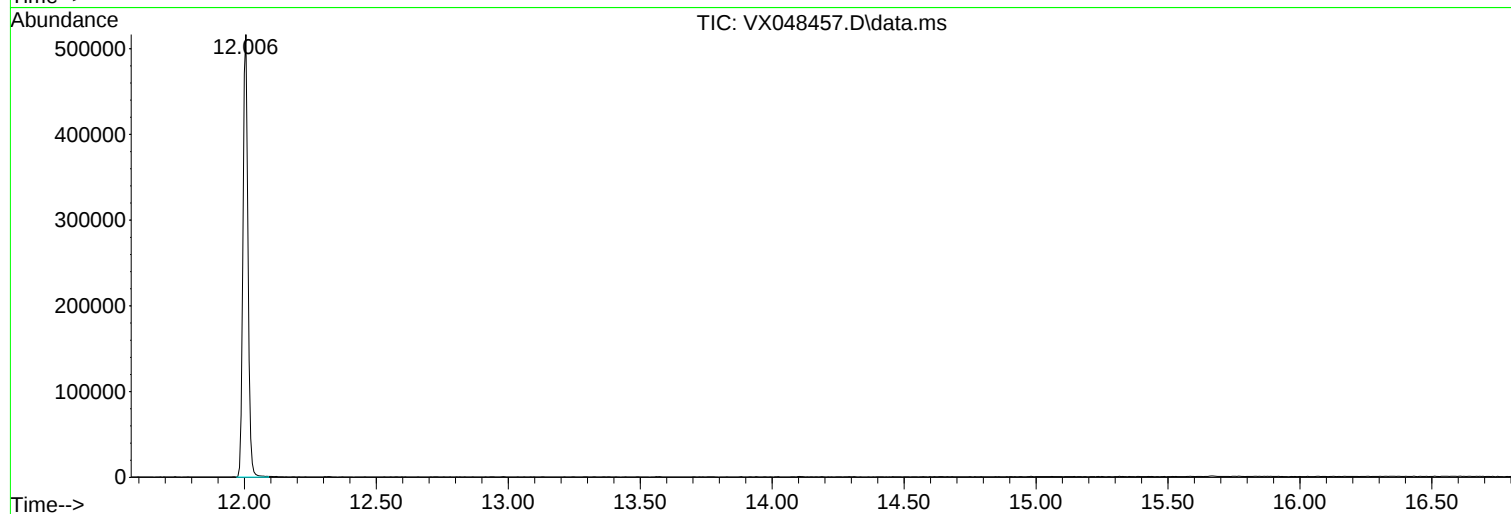
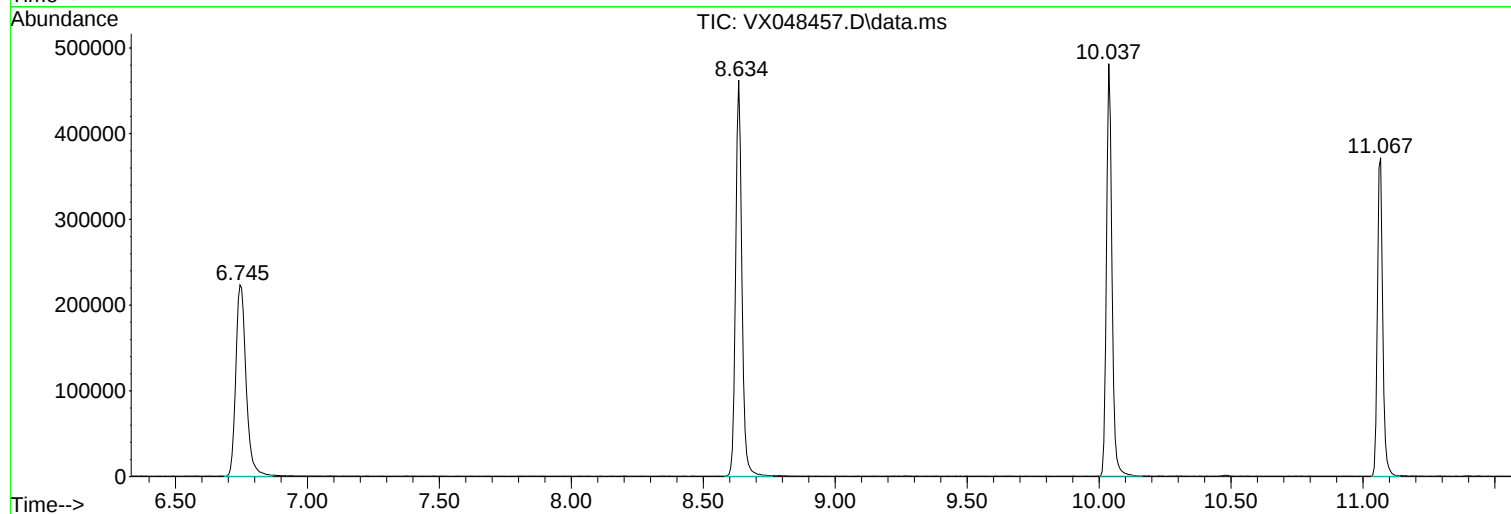
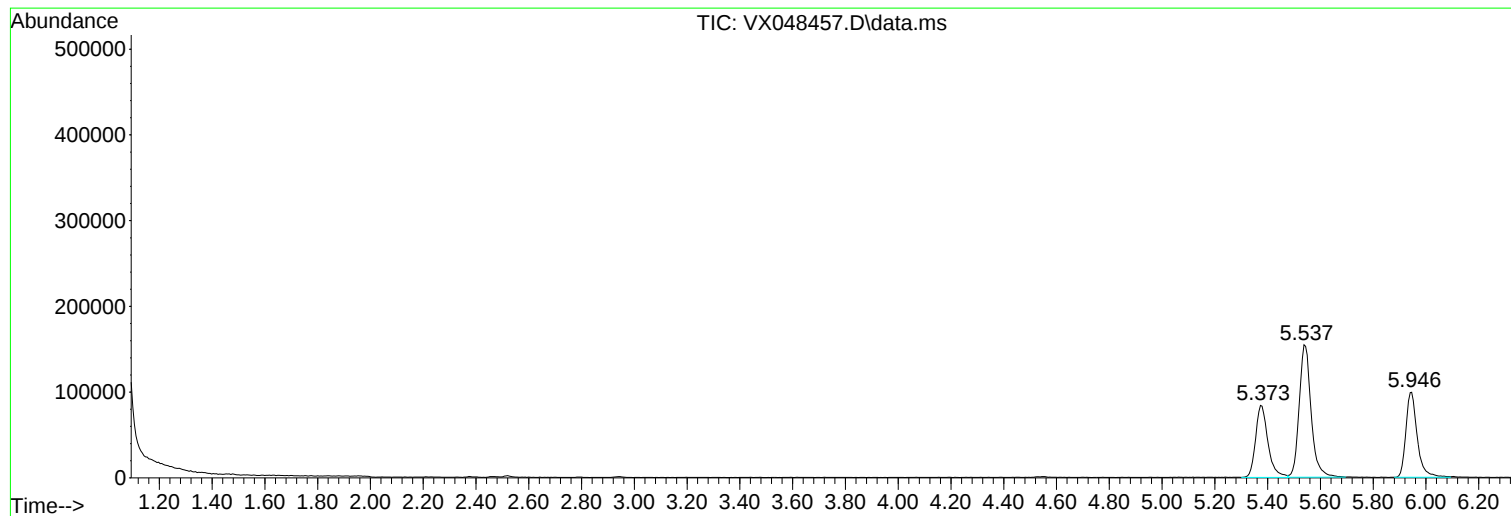
Sum of corrected areas: 4317955

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048457.D  
Acq On : 03 Nov 2025 15:20  
Operator : JC/MD  
Sample : Q3495-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048457.D  
Acq On : 03 Nov 2025 15:20  
Operator : JC/MD  
Sample : Q3495-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048457.D  
Acq On : 03 Nov 2025 15:20  
Operator : JC/MD  
Sample : Q3495-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

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

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# 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: REMI02  
 Lab Code: ACE SDG No.: Q3495  
 Instrument ID: MSVOA\_X Calibration Date(s): 10/29/2025 10/29/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   | RRF001 = VX048407.D | RRF005 = VX048408.D | RRF020 = VX048409.D |        |        |        |       |       |
|--------------------------------|---------------------|---------------------|---------------------|--------|--------|--------|-------|-------|
|                                | RRF050 = VX048410.D | RRF100 = VX048411.D | RRF150 = VX048412.D |        |        |        |       |       |
| COMPOUND                       | RRF001              | RRF005              | RRF020              | RRF050 | RRF100 | RRF150 | RRF   | % RSD |
| Dichlorodifluoromethane        | 0.488               | 0.487               | 0.477               | 0.539  | 0.504  | 0.565  | 0.510 | 6.8   |
| Chloromethane                  | 0.366               | 0.263               | 0.275               | 0.271  | 0.274  | 0.277  | 0.288 | 13.5  |
| Vinyl Chloride                 | 0.639               | 0.647               | 0.642               | 0.666  | 0.677  | 0.718  | 0.665 | 4.5   |
| Bromomethane                   |                     | 0.254               | 0.257               | 0.242  | 0.237  | 0.210  | 0.240 | 7.8   |
| Chloroethane                   | 0.405               | 0.394               | 0.382               | 0.391  | 0.398  | 0.402  | 0.395 | 2.1   |
| Trichlorofluoromethane         | 0.984               | 1.004               | 0.981               | 1.036  | 1.006  | 1.100  | 1.019 | 4.4   |
| 1,1,2-Trichlorotrifluoroethane | 0.542               | 0.569               | 0.546               | 0.589  | 0.565  | 0.626  | 0.573 | 5.4   |
| 1,1-Dichloroethene             | 0.573               | 0.559               | 0.559               | 0.581  | 0.591  | 0.628  | 0.582 | 4.4   |
| Acetone                        | 0.176               | 0.136               | 0.156               | 0.159  | 0.176  | 0.175  | 0.163 | 9.8   |
| Carbon Disulfide               | 1.871               | 1.692               | 1.629               | 1.676  | 1.568  | 1.577  | 1.669 | 6.7   |
| Methyl tert-butyl Ether        | 1.967               | 1.753               | 1.815               | 1.763  | 1.975  | 1.908  | 1.864 | 5.4   |
| Methyl Acetate                 | 0.578               | 0.474               | 0.488               | 0.494  | 0.612  | 0.625  | 0.545 | 12.4  |
| Methylene Chloride             | 0.660               | 0.613               | 0.619               | 0.598  | 0.651  | 0.628  | 0.628 | 3.7   |
| trans-1,2-Dichloroethene       | 0.614               | 0.604               | 0.610               | 0.606  | 0.632  | 0.643  | 0.618 | 2.5   |
| 1,1-Dichloroethane             | 1.130               | 1.140               | 1.127               | 1.106  | 1.190  | 1.176  | 1.145 | 2.8   |
| Cyclohexane                    |                     | 0.962               | 0.968               | 1.011  | 0.964  | 1.063  | 0.994 | 4.4   |
| 2-Butanone                     | 0.257               | 0.225               | 0.261               | 0.257  | 0.287  | 0.275  | 0.260 | 8.1   |
| Carbon Tetrachloride           | 0.578               | 0.562               | 0.528               | 0.559  | 0.517  | 0.572  | 0.553 | 4.4   |
| cis-1,2-Dichloroethene         | 0.756               | 0.717               | 0.709               | 0.712  | 0.771  | 0.761  | 0.738 | 3.8   |
| Bromochloromethane             | 0.465               | 0.513               | 0.556               | 0.513  | 0.519  | 0.546  | 0.519 | 6.2   |
| Chloroform                     | 1.200               | 1.176               | 1.167               | 1.131  | 1.212  | 1.180  | 1.178 | 2.4   |
| 1,1,1-Trichloroethane          | 1.030               | 1.024               | 1.013               | 1.030  | 1.057  | 1.084  | 1.040 | 2.5   |
| Methylcyclohexane              | 0.578               | 0.604               | 0.565               | 0.665  | 0.585  | 0.696  | 0.616 | 8.5   |
| Benzene                        | 1.397               | 1.464               | 1.457               | 1.472  | 1.461  | 1.524  | 1.462 | 2.8   |
| 1,2-Dichloroethane             | 0.521               | 0.520               | 0.519               | 0.501  | 0.514  | 0.515  | 0.515 | 1.5   |
| Trichloroethene                | 0.365               | 0.399               | 0.368               | 0.381  | 0.379  | 0.406  | 0.383 | 4.3   |
| 1,2-Dichloropropane            | 0.367               | 0.357               | 0.359               | 0.362  | 0.369  | 0.377  | 0.365 | 2     |
| Bromodichloromethane           | 0.542               | 0.553               | 0.536               | 0.538  | 0.542  | 0.550  | 0.543 | 1.2   |
| 4-Methyl-2-Pentanone           | 0.366               | 0.355               | 0.373               | 0.375  | 0.391  | 0.388  | 0.375 | 3.5   |
| Toluene                        | 0.864               | 0.918               | 0.902               | 0.931  | 0.914  | 0.955  | 0.914 | 3.3   |

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



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02  
 Lab Code: ACE SDG No.: Q3495  
 Instrument ID: MSVOA\_X Calibration Date(s): 10/29/2025 10/29/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 11:12 13:03  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                |        | RRF001 = VX048407.D |        | RRF005 = VX048408.D |        | RRF020 = VX048409.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF050 = VX048410.D |        | RRF100 = VX048411.D |        | RRF150 = VX048412.D |       |       |  |
| COMPOUND                    | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| t-1,3-Dichloropropene       | 0.463  | 0.491               | 0.510  | 0.496               | 0.501  | 0.493               | 0.492 | 3.2   |  |
| cis-1,3-Dichloropropene     | 0.549  | 0.525               | 0.558  | 0.524               | 0.522  | 0.506               | 0.531 | 3.7   |  |
| 1,1,2-Trichloroethane       | 0.329  | 0.330               | 0.332  | 0.326               | 0.333  | 0.334               | 0.331 | 1     |  |
| 2-Hexanone                  | 0.219  | 0.217               | 0.248  | 0.251               | 0.264  | 0.263               | 0.244 | 8.6   |  |
| Dibromochloromethane        | 0.405  | 0.408               | 0.403  | 0.408               | 0.412  | 0.418               | 0.409 | 1.3   |  |
| 1,2-Dibromoethane           | 0.340  | 0.338               | 0.338  | 0.341               | 0.349  | 0.347               | 0.342 | 1.3   |  |
| Tetrachloroethene           | 0.433  | 0.411               | 0.384  | 0.402               | 0.376  | 0.410               | 0.403 | 5.1   |  |
| Chlorobenzene               | 1.135  | 1.174               | 1.118  | 1.150               | 1.154  | 1.179               | 1.152 | 2     |  |
| Ethyl Benzene               | 1.825  | 1.909               | 1.888  | 1.994               | 1.951  | 2.070               | 1.940 | 4.4   |  |
| m/p-Xylenes                 | 0.663  | 0.731               | 0.718  | 0.773               | 0.744  | 0.777               | 0.734 | 5.7   |  |
| o-Xylene                    | 0.636  | 0.689               | 0.686  | 0.729               | 0.721  | 0.750               | 0.702 | 5.8   |  |
| Styrene                     | 1.059  | 1.139               | 1.180  | 1.235               | 1.247  | 1.273               | 1.189 | 6.7   |  |
| Bromoform                   | 0.284  | 0.268               | 0.267  | 0.281               | 0.299  | 0.302               | 0.283 | 5.2   |  |
| Isopropylbenzene            | 3.372  | 3.599               | 3.592  | 3.841               | 3.700  | 4.085               | 3.698 | 6.6   |  |
| 1,1,2,2-Tetrachloroethane   | 0.915  | 0.919               | 0.914  | 0.929               | 0.956  | 0.988               | 0.937 | 3.2   |  |
| 1,3-Dichlorobenzene         | 1.911  | 1.733               | 1.660  | 1.690               | 1.666  | 1.807               | 1.745 | 5.6   |  |
| 1,4-Dichlorobenzene         | 1.948  | 1.824               | 1.666  | 1.710               | 1.684  | 1.829               | 1.777 | 6.2   |  |
| 1,2-Dichlorobenzene         | 1.618  | 1.609               | 1.565  | 1.589               | 1.607  | 1.712               | 1.617 | 3.1   |  |
| 1,2-Dibromo-3-Chloropropane | 0.181  | 0.156               | 0.171  | 0.187               | 0.195  | 0.210               | 0.183 | 10.2  |  |
| 1,2,4-Trichlorobenzene      | 1.140  | 1.040               | 1.045  | 1.112               | 1.124  | 1.232               | 1.116 | 6.3   |  |
| 1,2,3-Trichlorobenzene      | 0.981  | 0.937               | 0.957  | 1.033               | 1.029  | 1.143               | 1.013 | 7.3   |  |
| 1,2-Dichloroethane-d4       |        | 0.765               | 0.689  | 0.674               | 0.728  | 0.739               | 0.719 | 5.2   |  |
| Dibromofluoromethane        |        | 0.300               | 0.260  | 0.276               | 0.283  | 0.307               | 0.285 | 6.6   |  |
| Toluene-d8                  |        | 1.333               | 1.191  | 1.222               | 1.207  | 1.339               | 1.258 | 5.7   |  |
| 4-Bromofluorobenzene        |        | 0.537               | 0.437  | 0.446               | 0.449  | 0.485               | 0.471 | 8.8   |  |

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\  
 Method File : 82X102925W.M  
 Title : SW846 8260  
 Last Update : Thu Oct 30 02:37:17 2025  
 Response Via : Initial Calibration

## Calibration Files

1 =VX048407.D 5 =VX048408.D 20 =VX048409.D 50 =VX048410.D 100 =VX048411.D 150 =VX048412.D

|        | Compound            | 1              | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T   | Dichlorodifluo...   | 0.488          | 0.487 | 0.477 | 0.539 | 0.504 | 0.565 | 0.510 | 6.76  |
| 3) P   | Chloromethane       | 0.366          | 0.263 | 0.275 | 0.271 | 0.274 | 0.277 | 0.288 | 13.49 |
| 4) C   | Vinyl Chloride      | 0.639          | 0.646 | 0.642 | 0.666 | 0.677 | 0.718 | 0.665 | 4.53# |
| 5) T   | Bromomethane        |                | 0.254 | 0.257 | 0.242 | 0.237 | 0.210 | 0.240 | 7.78  |
| 6) T   | Chloroethane        | 0.405          | 0.394 | 0.382 | 0.391 | 0.398 | 0.402 | 0.395 | 2.10  |
| 7) T   | Trichlorofluor...   | 0.984          | 1.004 | 0.981 | 1.036 | 1.006 | 1.100 | 1.019 | 4.37  |
| 8) T   | Diethyl Ether       | 0.367          | 0.347 | 0.368 | 0.349 | 0.396 | 0.381 | 0.368 | 5.13  |
| 9) T   | 1,1,2-Trichlor...   | 0.542          | 0.569 | 0.546 | 0.589 | 0.565 | 0.626 | 0.573 | 5.43  |
| 10) T  | Methyl Iodide       |                | 2.232 | 2.136 | 2.192 | 2.444 | 2.516 | 2.304 | 7.23  |
| 11) T  | Tert butyl alc...   |                | 0.049 | 0.054 | 0.053 | 0.061 | 0.059 | 0.055 | 8.49  |
| 12) CM | 1,1-Dichloroet...   | 0.573          | 0.559 | 0.559 | 0.581 | 0.591 | 0.628 | 0.582 | 4.40# |
| 13) T  | Acrolein            |                | 0.105 | 0.112 | 0.112 | 0.128 | 0.118 | 0.115 | 7.44  |
| 14) T  | Allyl chloride      | 1.076          | 0.952 | 0.946 | 0.935 | 1.006 | 0.999 | 0.986 | 5.37  |
| 15) T  | Acrylonitrile       | 0.251          | 0.233 | 0.241 | 0.247 | 0.272 | 0.261 | 0.251 | 5.55  |
| 16) T  | Acetone             | 0.176          | 0.136 | 0.156 | 0.159 | 0.176 | 0.175 | 0.163 | 9.84  |
| 17) T  | Carbon Disulfide    | 1.871          | 1.692 | 1.629 | 1.676 | 1.568 | 1.577 | 1.669 | 6.66  |
| 18) T  | Methyl Acetate      | 0.578          | 0.474 | 0.488 | 0.494 | 0.612 | 0.625 | 0.545 | 12.41 |
| 19) T  | Methyl tert-bu...   | 1.967          | 1.753 | 1.815 | 1.763 | 1.975 | 1.908 | 1.864 | 5.36  |
| 20) T  | Methylene Chlo...   | 0.660          | 0.613 | 0.619 | 0.598 | 0.651 | 0.628 | 0.628 | 3.74  |
| 21) T  | trans-1,2-Dich...   | 0.614          | 0.604 | 0.610 | 0.606 | 0.632 | 0.643 | 0.618 | 2.53  |
| 22) T  | Diisopropyl ether   | 1.908          | 1.986 | 2.009 | 1.978 | 2.150 | 2.072 | 2.017 | 4.17  |
| 23) T  | Vinyl Acetate       | 1.453          | 1.390 | 1.457 | 1.330 | 1.373 | 1.237 | 1.373 | 6.01  |
| 24) P  | 1,1-Dichloroet...   | 1.130          | 1.140 | 1.127 | 1.106 | 1.190 | 1.176 | 1.145 | 2.78  |
| 25) T  | 2-Butanone          | 0.257          | 0.225 | 0.261 | 0.257 | 0.287 | 0.275 | 0.260 | 8.09  |
| 26) T  | 2,2-Dichloropr...   | 1.042          | 0.949 | 0.935 | 0.952 | 1.002 | 1.035 | 0.986 | 4.74  |
| 27) T  | cis-1,2-Dichlo...   | 0.756          | 0.717 | 0.709 | 0.712 | 0.771 | 0.761 | 0.738 | 3.79  |
| 28) T  | Bromochloromet...   | 0.465          | 0.513 | 0.556 | 0.513 | 0.519 | 0.546 | 0.519 | 6.16  |
| 29) T  | Tetrahydrofuran     | 0.193          | 0.168 | 0.177 | 0.181 | 0.203 | 0.190 | 0.185 | 6.71  |
| 30) C  | Chloroform          | 1.200          | 1.176 | 1.167 | 1.131 | 1.212 | 1.180 | 1.178 | 2.41# |
| 31) T  | Cyclohexane         |                | 0.962 | 0.968 | 1.011 | 0.964 | 1.063 | 0.994 | 4.41  |
| 32) T  | 1,1,1-Trichlor...   | 1.030          | 1.024 | 1.013 | 1.030 | 1.057 | 1.084 | 1.040 | 2.53  |
| 33) S  | 1,2-Dichloroet...   |                | 0.765 | 0.689 | 0.674 | 0.728 | 0.739 | 0.719 | 5.19  |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |
| 35) S  | Dibromofluorom...   |                | 0.300 | 0.260 | 0.276 | 0.283 | 0.307 | 0.285 | 6.64  |
| 36) T  | 1,1-Dichloropr...   | 0.482          | 0.446 | 0.481 | 0.490 | 0.463 | 0.511 | 0.479 | 4.63  |
| 37) T  | Ethyl Acetate       | 0.364          | 0.421 | 0.396 | 0.410 | 0.426 | 0.430 | 0.408 | 6.06  |
| 38) T  | Carbon Tetrach...   | 0.578          | 0.562 | 0.528 | 0.559 | 0.517 | 0.572 | 0.553 | 4.45  |
| 39) T  | Methylcyclohexane   | 0.578          | 0.604 | 0.565 | 0.665 | 0.585 | 0.696 | 0.616 | 8.52  |
| 40) TM | Benzene             | 1.397          | 1.464 | 1.457 | 1.472 | 1.461 | 1.524 | 1.462 | 2.77  |
| 41) T  | Methacrylonitrile   | 0.195          | 0.184 | 0.205 | 0.215 | 0.218 | 0.216 | 0.205 | 6.63  |
| 42) TM | 1,2-Dichloroet...   | 0.521          | 0.520 | 0.519 | 0.501 | 0.514 | 0.515 | 0.515 | 1.46  |
| 43) T  | Isopropyl Acetate   | 0.655          | 0.628 | 0.664 | 0.672 | 0.707 | 0.715 | 0.673 | 4.82  |
| 44) TM | Trichloroethene     | 0.365          | 0.399 | 0.368 | 0.381 | 0.379 | 0.406 | 0.383 | 4.28  |
| 45) C  | 1,2-Dichloropr...   | 0.367          | 0.357 | 0.359 | 0.362 | 0.369 | 0.377 | 0.365 | 1.99# |
| 46) T  | Dibromomethane      | 0.245          | 0.260 | 0.252 | 0.252 | 0.261 | 0.263 | 0.256 | 2.80  |
| 47) T  | Bromodichlorom...   | 0.542          | 0.553 | 0.536 | 0.538 | 0.542 | 0.550 | 0.543 | 1.25  |
| 48) T  | Methyl methacr...   | 0.281          | 0.305 | 0.325 | 0.334 | 0.361 | 0.364 | 0.328 | 9.77  |
| 49) T  | 1,4-Dioxane         | 0.003          | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 | 15.65 |
| 50) S  | Toluene-d8          |                | 1.333 | 1.191 | 1.222 | 1.207 | 1.339 | 1.258 | 5.70  |
| 51) T  | 4-Methyl-2-Pen...   | 0.366          | 0.355 | 0.373 | 0.375 | 0.391 | 0.388 | 0.375 | 3.54  |
| 52) CM | Toluene             | 0.864          | 0.918 | 0.902 | 0.931 | 0.914 | 0.955 | 0.914 | 3.32# |
| 53) T  | t-1,3-Dichloro...   | 0.463          | 0.491 | 0.510 | 0.496 | 0.501 | 0.493 | 0.492 | 3.23  |
| 54) T  | cis-1,3-Dichlo...   | 0.549          | 0.525 | 0.558 | 0.524 | 0.522 | 0.506 | 0.531 | 3.66  |
| 55) T  | 1,1,2-Trichlor...   | 0.329          | 0.330 | 0.332 | 0.326 | 0.333 | 0.334 | 0.331 | 0.99  |
| 56) T  | Ethyl methacry...   | 0.437          | 0.438 | 0.473 | 0.492 | 0.533 | 0.533 | 0.484 | 8.90  |

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\  
 Method File : 82X102925W.M

|     |    |                       |                |       |       |       |       |       |       |       |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 57) | T  | 1,3-Dichloropr...     | 0.578          | 0.580 | 0.566 | 0.568 | 0.574 | 0.575 | 0.573 | 0.95  |
| 58) | T  | 2-Chloroethyl ...     | 0.145          | 0.216 | 0.278 | 0.282 | 0.281 | 0.302 | 0.251 | 23.68 |
| 59) | T  | 2-Hexanone            | 0.219          | 0.217 | 0.248 | 0.251 | 0.264 | 0.263 | 0.244 | 8.58  |
| 60) | T  | Dibromochlorom...     | 0.405          | 0.408 | 0.403 | 0.408 | 0.412 | 0.418 | 0.409 | 1.27  |
| 61) | T  | 1,2-Dibromoethane     | 0.340          | 0.338 | 0.338 | 0.341 | 0.349 | 0.347 | 0.342 | 1.34  |
| 62) | S  | 4-Bromofluorob...     | 0.537          | 0.437 | 0.446 | 0.449 | 0.485 | 0.471 |       | 8.82  |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) | T  | Tetrachloroethene     | 0.433          | 0.411 | 0.384 | 0.402 | 0.376 | 0.410 | 0.403 | 5.07  |
| 65) | PM | Chlorobenzene         | 1.135          | 1.174 | 1.118 | 1.150 | 1.154 | 1.179 | 1.152 | 1.98  |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.360          | 0.387 | 0.386 | 0.396 | 0.404 | 0.417 | 0.392 | 4.96  |
| 67) | C  | Ethyl Benzene         | 1.825          | 1.909 | 1.888 | 1.994 | 1.951 | 2.070 | 1.940 | 4.42# |
| 68) | T  | m/p-Xylenes           | 0.663          | 0.731 | 0.718 | 0.773 | 0.744 | 0.777 | 0.734 | 5.72  |
| 69) | T  | o-Xylene              | 0.636          | 0.689 | 0.686 | 0.729 | 0.721 | 0.750 | 0.702 | 5.76  |
| 70) | T  | Styrene               | 1.059          | 1.139 | 1.180 | 1.235 | 1.247 | 1.273 | 1.189 | 6.74  |
| 71) | P  | Bromoform             | 0.284          | 0.268 | 0.267 | 0.281 | 0.299 | 0.302 | 0.283 | 5.18  |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 73) | T  | Isopropylbenzene      | 3.372          | 3.599 | 3.592 | 3.841 | 3.700 | 4.085 | 3.698 | 6.60  |
| 74) | T  | N-amyl acetate        | 1.175          | 1.160 | 1.281 | 1.367 | 1.436 | 1.497 | 1.319 | 10.44 |
| 75) | P  | 1,1,2,2-Tetrac...     | 0.915          | 0.919 | 0.914 | 0.929 | 0.956 | 0.988 | 0.937 | 3.18  |
| 76) | T  | 1,2,3-Trichlor...     | 0.617          | 0.702 | 0.708 | 0.743 | 0.765 | 0.779 | 0.719 | 8.13  |
| 77) | T  | Bromobenzene          | 0.877          | 0.904 | 0.886 | 0.912 | 0.919 | 0.984 | 0.914 | 4.13  |
| 78) | T  | n-propylbenzene       | 3.871          | 4.307 | 4.262 | 4.596 | 4.352 | 4.838 | 4.371 | 7.48  |
| 79) | T  | 2-Chlorotoluene       | 2.524          | 2.598 | 2.538 | 2.652 | 2.609 | 2.825 | 2.624 | 4.15  |
| 80) | T  | 1,3,5-Trimethy...     | 2.640          | 2.973 | 2.948 | 3.194 | 3.065 | 3.369 | 3.032 | 8.15  |
| 81) | T  | trans-1,4-Dich...     | 0.191          | 0.195 | 0.208 | 0.217 | 0.228 | 0.208 |       | 7.37  |
| 82) | T  | 4-Chlorotoluene       | 2.883          | 3.105 | 3.023 | 3.125 | 3.076 | 3.299 | 3.085 | 4.42  |
| 83) | T  | tert-Butylbenzene     | 2.798          | 3.001 | 2.945 | 3.216 | 3.098 | 3.459 | 3.086 | 7.48  |
| 84) | T  | 1,2,4-Trimethy...     | 2.580          | 2.875 | 2.976 | 3.141 | 3.082 | 3.355 | 3.002 | 8.76  |
| 85) | T  | sec-Butylbenzene      | 3.379          | 3.847 | 3.727 | 4.052 | 3.793 | 4.276 | 3.846 | 7.90  |
| 86) | T  | p-Isopropyltol...     | 2.815          | 3.198 | 3.145 | 3.435 | 3.257 | 3.657 | 3.251 | 8.73  |
| 87) | T  | 1,3-Dichlorobe...     | 1.911          | 1.733 | 1.660 | 1.690 | 1.666 | 1.807 | 1.745 | 5.62  |
| 88) | T  | 1,4-Dichlorobe...     | 1.948          | 1.824 | 1.666 | 1.710 | 1.684 | 1.829 | 1.777 | 6.15  |
| 89) | T  | n-Butylbenzene        | 2.892          | 2.903 | 2.886 | 3.183 | 3.003 | 3.447 | 3.052 | 7.34  |
| 90) | T  | Hexachloroethane      | 0.521          | 0.518 | 0.537 | 0.594 | 0.589 | 0.669 | 0.571 | 10.22 |
| 91) | T  | 1,2-Dichlorobe...     | 1.618          | 1.609 | 1.565 | 1.589 | 1.607 | 1.712 | 1.617 | 3.11  |
| 92) | T  | 1,2-Dibromo-3-...     | 0.181          | 0.156 | 0.171 | 0.187 | 0.195 | 0.210 | 0.183 | 10.20 |
| 93) | T  | 1,2,4-Trichlor...     | 1.140          | 1.040 | 1.045 | 1.112 | 1.124 | 1.232 | 1.116 | 6.34  |
| 94) | T  | Hexachlorobuta...     | 0.507          | 0.437 | 0.435 | 0.481 | 0.431 | 0.516 | 0.468 | 8.23  |
| 95) | T  | Naphthalene           | 2.578          | 2.419 | 2.645 | 2.935 | 3.064 | 3.264 | 2.818 | 11.45 |
| 96) | T  | 1,2,3-Trichlor...     | 0.981          | 0.937 | 0.957 | 1.033 | 1.029 | 1.143 | 1.013 | 7.31  |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048407.D  
 Acq On : 29 Oct 2025 11:12  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 158565   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 284044   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 259052   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 129002   | 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 | 78 - 117 | 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 | 92 - 112 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 0.000%# |

## Target Compounds

|                              |       |     |       |       |        | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 1549  | 0.958 | ug/l   | 100    |
| 3) Chloromethane             | 1.301 | 50  | 1162  | 1.273 | ug/l   | 91     |
| 4) Vinyl Chloride            | 1.380 | 62  | 2027  | 0.962 | ug/l # | 85     |
| 6) Chloroethane              | 1.703 | 64  | 1283  | 1.023 | ug/l # | 88     |
| 7) Trichlorofluoromethane    | 1.898 | 101 | 3121  | 0.966 | ug/l   | 97     |
| 8) Diethyl Ether             | 2.136 | 74  | 1165  | 0.998 | ug/l   | 62     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 1719  | 0.946 | ug/l   | 95     |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 1818  | 0.985 | ug/l   | 85     |
| 14) Allyl chloride           | 2.666 | 41  | 3412  | 1.092 | ug/l   | 96     |
| 15) Acrylonitrile            | 3.062 | 53  | 3987  | 5.016 | ug/l   | 93     |
| 16) Acetone                  | 2.373 | 43  | 2795  | 5.408 | ug/l # | 85     |
| 17) Carbon Disulfide         | 2.514 | 76  | 5933  | 1.121 | ug/l # | 89     |
| 18) Methyl Acetate           | 2.709 | 43  | 1832  | 1.060 | ug/l # | 86     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 6239  | 1.056 | ug/l   | 97     |
| 20) Methylene Chloride       | 2.788 | 84  | 2094  | 1.051 | ug/l   | 96     |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 1948  | 0.994 | ug/l   | 89     |
| 22) Diisopropyl ether        | 3.757 | 45  | 6050  | 0.946 | ug/l   | 94     |
| 23) Vinyl Acetate            | 3.721 | 43  | 23043 | 5.291 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 3.611 | 63  | 3584  | 0.987 | ug/l   | 97     |
| 25) 2-Butanone               | 4.556 | 43  | 4076  | 4.937 | ug/l # | 89     |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 3304  | 1.057 | ug/l   | 89     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 2398  | 1.025 | ug/l   | 95     |
| 28) Bromochloromethane       | 4.891 | 49  | 1476  | 0.897 | ug/l # | 94     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 3062  | 5.208 | ug/l # | 67     |
| 30) Chloroform               | 5.086 | 83  | 3806  | 1.019 | ug/l # | 82     |
| 32) 1,1,1-Trichloroethane    | 5.367 | 97  | 3267  | 0.991 | ug/l # | 50     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 2737  | 1.006 | ug/l   | 93     |
| 37) Ethyl Acetate            | 4.727 | 43  | 2068m | 0.893 | ug/l   |        |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 3286  | 1.047 | ug/l # | 83     |
| 39) Methylcyclohexane        | 7.367 | 83  | 3285  | 0.939 | ug/l   | 96     |
| 40) Benzene                  | 6.025 | 78  | 7935  | 0.955 | ug/l   | 95     |
| 41) Methacrylonitrile        | 4.922 | 41  | 1107  | 0.949 | ug/l # | 82     |
| 42) 1,2-Dichloroethane       | 6.080 | 62  | 2962  | 1.012 | ug/l   | 84     |
| 43) Isopropyl Acetate        | 6.330 | 43  | 3721  | 0.973 | ug/l # | 90     |
| 44) Trichloroethene          | 7.110 | 130 | 2075  | 0.953 | ug/l   | 71     |
| 45) 1,2-Dichloropropane      | 7.421 | 63  | 2087  | 1.006 | ug/l   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048407.D  
 Acq On : 29 Oct 2025 11:12  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.568  | 93   | 1390     | 0.957  | ug/l   | 87       |
| 47) Bromodichloromethane      | 7.805  | 83   | 3077     | 0.997  | ug/l   | 93       |
| 48) Methyl methacrylate       | 7.684  | 41   | 1596     | 0.856  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 305      | 14.384 | ug/l # | 69       |
| 51) 4-Methyl-2-Pentanone      | 8.561  | 43   | 10398    | 4.884  | ug/l   | 99       |
| 52) Toluene                   | 8.702  | 92   | 4908     | 0.945  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 2630     | 0.940  | ug/l # | 83       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 3118     | 1.035  | ug/l # | 60       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 1867     | 0.994  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 2480     | 0.902  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 3283     | 1.008  | ug/l   | 89       |
| 58) 2-Chloroethyl Vinyl ether | 8.232  | 63   | 4120     | 11.715 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.415  | 43   | 6222     | 4.492  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.506  | 129  | 2303     | 0.991  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.598  | 107  | 1932     | 0.994  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.256  | 164  | 2244     | 1.076  | ug/l   | 92       |
| 65) Chlorobenzene             | 10.067 | 112  | 5883     | 0.986  | ug/l   | 90       |
| 66) 1,1,1,2-Tetrachloroethane | 10.153 | 131  | 1866     | 0.919  | ug/l # | 60       |
| 67) Ethyl Benzene             | 10.177 | 91   | 9455     | 0.941  | ug/l   | 93       |
| 68) m/p-Xylenes               | 10.287 | 106  | 6869     | 1.805  | ug/l   | 98       |
| 69) o-Xylene                  | 10.622 | 106  | 3294     | 0.906  | ug/l   | 86       |
| 70) Styrene                   | 10.640 | 104  | 5486     | 0.891  | ug/l   | 96       |
| 71) Bromoform                 | 10.787 | 173  | 1471     | 1.002  | ug/l # | 90       |
| 73) Isopropylbenzene          | 10.945 | 105  | 8700     | 0.912  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.829 | 43   | 3032     | 0.891  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 2360     | 0.976  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.226 | 75   | 1592m    | 0.791  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 2263     | 0.960  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.287 | 91   | 9988     | 0.886  | ug/l   | 91       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 6513     | 0.962  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 6812     | 0.871  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 7437     | 0.934  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 7219     | 0.907  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.738 | 105  | 6657     | 0.860  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 8718     | 0.879  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.994 | 119  | 7263     | 0.866  | ug/l   | 88       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 4931     | 1.095  | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 5027m    | 1.096  | ug/l   |          |
| 89) n-Butylbenzene            | 12.317 | 91   | 7462     | 0.948  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 1343     | 0.911  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 4175     | 1.001  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 468      | 0.989  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.573 | 180  | 2942     | 1.022  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 1309     | 1.084  | ug/l   | 96       |
| 95) Naphthalene               | 13.756 | 128  | 6652     | 0.915  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.945 | 180  | 2531     | 0.968  | ug/l   | 90       |

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

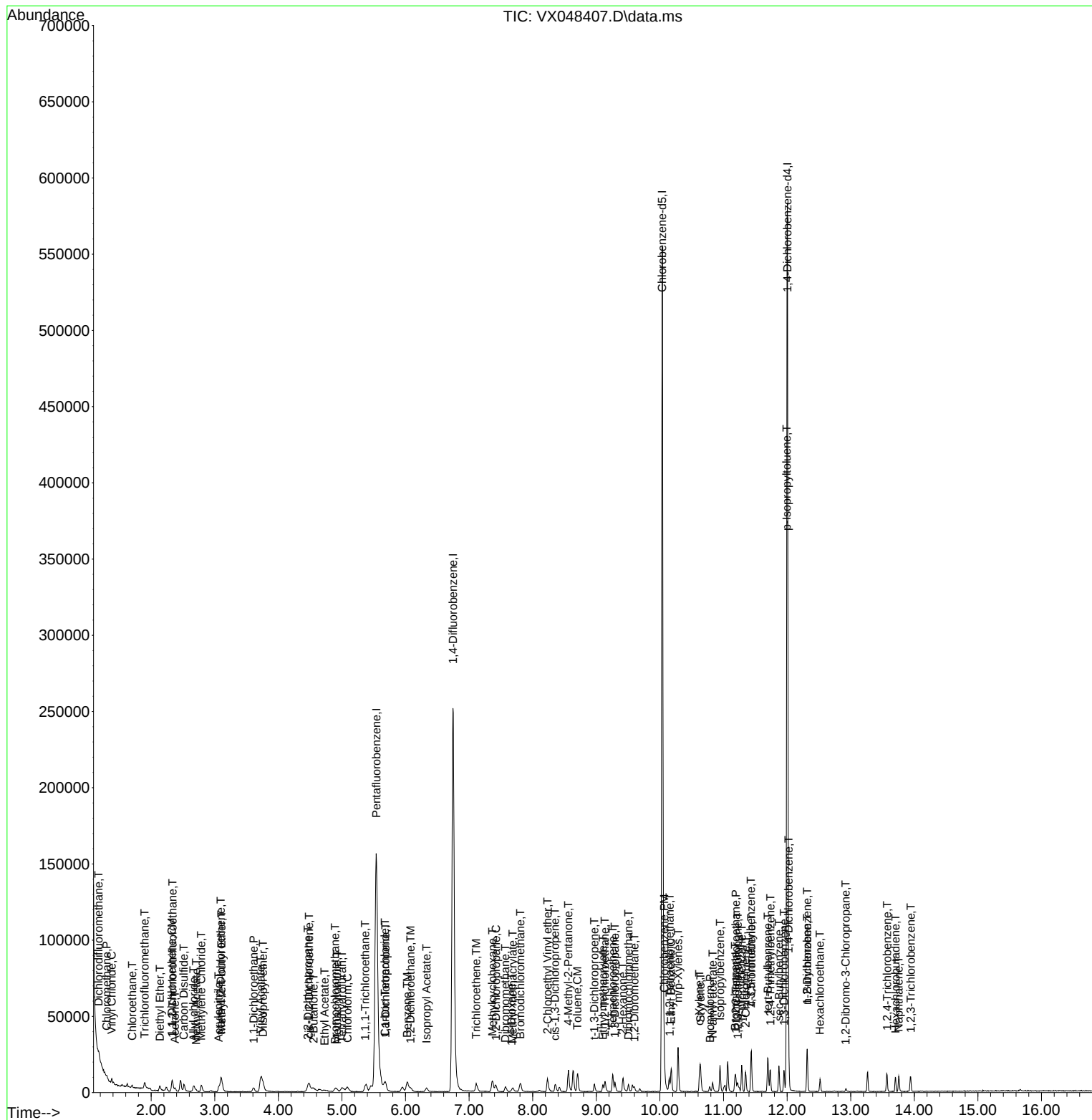
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048407.D  
Acq On : 29 Oct 2025 11:12  
Operator : JC/MD  
Sample : VSTDICC001  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC001

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:18:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048408.D  
 Acq On : 29 Oct 2025 11:41  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.538          | 168  | 168492     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.739          | 114  | 282367     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 256363     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 126812     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 12895      | 5.322    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 10.640%# |        |          |
| 35) Dibromofluoromethane     | 5.367          | 113  | 8478       | 5.266    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 10.540%# |        |          |
| 50) Toluene-d8               | 8.628          | 98   | 37648      | 5.298    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 10.600%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.067         | 95   | 15170      | 5.707    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 11.420%# |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 8209       | 4.776    | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 4434       | 4.573    | ug/l   | 91       |
| 4) Vinyl Chloride            | 1.380          | 62   | 10893      | 4.863    | ug/l   | 99       |
| 5) Bromomethane              | 1.618          | 94   | 4283       | 5.293    | ug/l   | 91       |
| 6) Chloroethane              | 1.697          | 64   | 6637       | 4.982    | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 16922      | 4.930    | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 5843       | 4.710    | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 9591       | 4.967    | ug/l   | 97       |
| 10) Methyl Iodide            | 2.459          | 142  | 37605      | 4.844    | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.934          | 59   | 4142       | 22.311   | ug/l # | 86       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 9427       | 4.807    | ug/l   | 85       |
| 13) Acrolein                 | 2.233          | 56   | 8883       | 22.923   | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 16036      | 4.828    | ug/l   | 97       |
| 15) Acrylonitrile            | 3.056          | 53   | 19610      | 23.219   | ug/l   | 96       |
| 16) Acetone                  | 2.367          | 43   | 11436      | 20.823   | ug/l # | 89       |
| 17) Carbon Disulfide         | 2.514          | 76   | 28513      | 5.071    | ug/l   | 98       |
| 18) Methyl Acetate           | 2.697          | 43   | 7987       | 4.348    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 29535      | 4.703    | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 10334      | 4.881    | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 10171      | 4.883    | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.751          | 45   | 33466      | 4.923    | ug/l   | 90       |
| 23) Vinyl Acetate            | 3.709          | 43   | 117089     | 25.303   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 19205      | 4.978    | ug/l   | 98       |
| 25) 2-Butanone               | 4.544          | 43   | 18935      | 21.582   | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 15992      | 4.814    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 12076      | 4.857    | ug/l   | 99       |
| 28) Bromochloromethane       | 4.879          | 49   | 8637       | 4.940    | ug/l   | 91       |
| 29) Tetrahydrofuran          | 4.989          | 42   | 14146      | 22.641   | ug/l   | 93       |
| 30) Chloroform               | 5.074          | 83   | 19818      | 4.994    | ug/l   | 97       |
| 31) Cyclohexane              | 5.452          | 56   | 16213      | 4.841    | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.361          | 97   | 17255      | 4.925    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.672          | 75   | 12604      | 4.662    | ug/l   | 94       |
| 37) Ethyl Acetate            | 4.690          | 43   | 11896      | 5.165    | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.659          | 117  | 15859      | 5.081    | ug/l   | 92       |
| 39) Methylcyclohexane        | 7.360          | 83   | 17067      | 4.909    | ug/l   | 91       |
| 40) Benzene                  | 6.019          | 78   | 41332      | 5.004    | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048408.D  
 Acq On : 29 Oct 2025 11:41  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 5197     | 4.479  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 14675    | 5.045  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 17743    | 4.666  | ug/l   | 98       |
| 44) Trichloroethene           | 7.110  | 130  | 11270    | 5.208  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 10081    | 4.887  | ug/l   | 96       |
| 46) Dibromomethane            | 7.562  | 93   | 7346     | 5.087  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.805  | 83   | 15604    | 5.086  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.684  | 41   | 8621     | 4.649  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 1982     | 94.031 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 50183    | 23.712 | ug/l   | 99       |
| 52) Toluene                   | 8.702  | 92   | 25912    | 5.021  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 13872    | 4.988  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 14823    | 4.947  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 9317     | 4.989  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 12380    | 4.527  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 16367    | 5.054  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 30558    | 27.358 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.415  | 43   | 30645    | 22.254 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.506  | 129  | 11519    | 4.987  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 9540     | 4.938  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 10526    | 5.098  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 30095    | 5.096  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 9919     | 4.937  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.177 | 91   | 48940    | 4.921  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.281 | 106  | 37478    | 9.954  | ug/l   | 96       |
| 69) o-Xylene                  | 10.628 | 106  | 17655    | 4.907  | ug/l   | 94       |
| 70) Styrene                   | 10.640 | 104  | 29194    | 4.790  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 6877     | 4.732  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.945 | 105  | 45638    | 4.866  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.829 | 43   | 14713    | 4.397  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 11650    | 4.904  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 8901m    | 4.500  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 11458    | 4.945  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.287 | 91   | 54619    | 4.927  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 32940    | 4.949  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 37702    | 4.904  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 2420     | 4.592  | ug/l # | 68       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 39376    | 5.032  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 38057    | 4.862  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 36460    | 4.789  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 48781    | 5.001  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 40550    | 4.918  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 21978    | 4.967  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 23136    | 5.134  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.317 | 91   | 36813    | 4.755  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 6571     | 4.535  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 20410    | 4.977  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 1977     | 4.250  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 13185    | 4.660  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 5541     | 4.669  | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 30675    | 4.293  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.945 | 180  | 11880    | 4.622  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048408.D  
Acq On : 29 Oct 2025 11:41  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 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

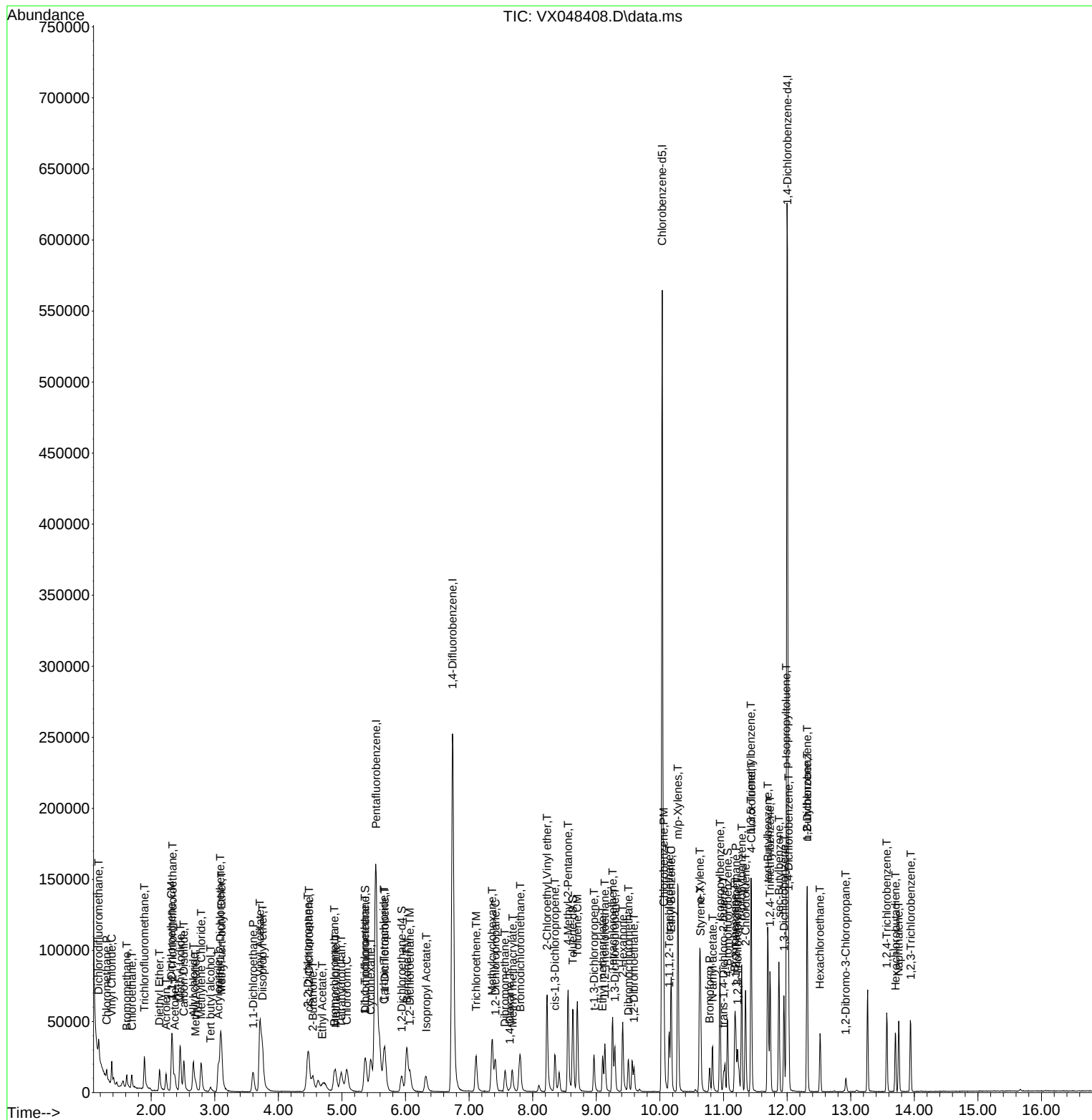
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048408.D  
Acq On : 29 Oct 2025 11:41  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:19:27 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048409.D  
 Acq On : 29 Oct 2025 12:01  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 155635     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.745          | 114  | 265505     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 239952     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 119721     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 42907      | 19.170   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 38.340%# |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 27594      | 18.229   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 36.460%# |        |          |
| 50) Toluene-d8               | 8.635          | 98   | 126497     | 18.931   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 37.860%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 46359      | 18.546   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 37.100%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 29696      | 18.705   | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 17139      | 19.135   | ug/l   | 92       |
| 4) Vinyl Chloride            | 1.380          | 62   | 39944      | 19.306   | ug/l   | 100      |
| 5) Bromomethane              | 1.618          | 94   | 16011      | 21.422   | ug/l   | 98       |
| 6) Chloroethane              | 1.697          | 64   | 23758      | 19.308   | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 61068      | 19.260   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 22891      | 19.976   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 34020      | 19.075   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.459          | 142  | 132951     | 18.539   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.940          | 59   | 16744      | 97.643   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 34822      | 19.222   | ug/l   | 92       |
| 13) Acrolein                 | 2.233          | 56   | 34708      | 96.966   | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 58890      | 19.196   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.056          | 53   | 74971      | 96.103   | ug/l   | 100      |
| 16) Acetone                  | 2.373          | 43   | 48676      | 95.953   | ug/l   | 90       |
| 17) Carbon Disulfide         | 2.520          | 76   | 101385     | 19.519   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 30394      | 17.914   | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 112995     | 19.478   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 38558      | 19.718   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 37969      | 19.733   | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.751          | 45   | 125099     | 19.923   | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.715          | 43   | 453379     | 106.067  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 70156      | 19.687   | ug/l   | 99       |
| 25) 2-Butanone               | 4.538          | 43   | 81242      | 100.249  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 58181      | 18.962   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 44153      | 19.227   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 34639      | 21.448   | ug/l   | 96       |
| 29) Tetrahydrofuran          | 4.989          | 42   | 55207      | 95.658   | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 72660      | 19.821   | ug/l   | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 60266      | 19.483   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 63038      | 19.479   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 51050      | 20.082   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.702          | 43   | 42038      | 19.410   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 56042      | 19.094   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.366          | 83   | 60050      | 18.370   | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 154747     | 19.926   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048409.D  
 Acq On : 29 Oct 2025 12:01  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 21765    | 19.952  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 55126    | 20.153  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 70480    | 19.711  | ug/l   | 97       |
| 44) Trichloroethene           | 7.110  | 130  | 39126    | 19.230  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 38163    | 19.677  | ug/l   | 98       |
| 46) Dibromomethane            | 7.568  | 93   | 26809    | 19.745  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.805  | 83   | 56897    | 19.723  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.677  | 41   | 34546    | 19.812  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 8028     | 405.056 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 198117   | 99.558  | ug/l   | 98       |
| 52) Toluene                   | 8.702  | 92   | 95778    | 19.737  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 54135    | 20.704  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 59288    | 21.045  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 35297    | 20.100  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 50195    | 19.521  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 60087    | 19.734  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 147643   | 102.113 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.415  | 43   | 131938   | 101.896 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.506  | 129  | 42810    | 19.711  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 35900    | 19.761  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.256  | 164  | 36898    | 19.095  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 107348   | 19.419  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 37061    | 19.709  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.177 | 91   | 181239   | 19.472  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.287 | 106  | 137786   | 39.097  | ug/l   | 98       |
| 69) o-Xylene                  | 10.628 | 106  | 65886    | 19.564  | ug/l   | 96       |
| 70) Styrene                   | 10.640 | 104  | 113244   | 19.850  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 25652    | 18.858  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 172017   | 19.426  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 61330    | 19.415  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 43767    | 19.513  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 33917m   | 18.164  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 42441    | 19.402  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.287 | 91   | 204115   | 19.503  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 121563   | 19.346  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 141180   | 19.449  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 9353     | 18.799  | ug/l # | 61       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 144766   | 19.597  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 141031   | 19.084  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 142497   | 19.826  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 178477   | 19.383  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 150606   | 19.347  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 79513    | 19.034  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 79800    | 18.755  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.317 | 91   | 138220   | 18.912  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 25696    | 18.786  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 74930    | 19.356  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 8210     | 18.693  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 50064    | 18.742  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 20853    | 18.610  | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 126677   | 18.777  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 45847    | 18.895  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048409.D  
Acq On : 29 Oct 2025 12:01  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

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

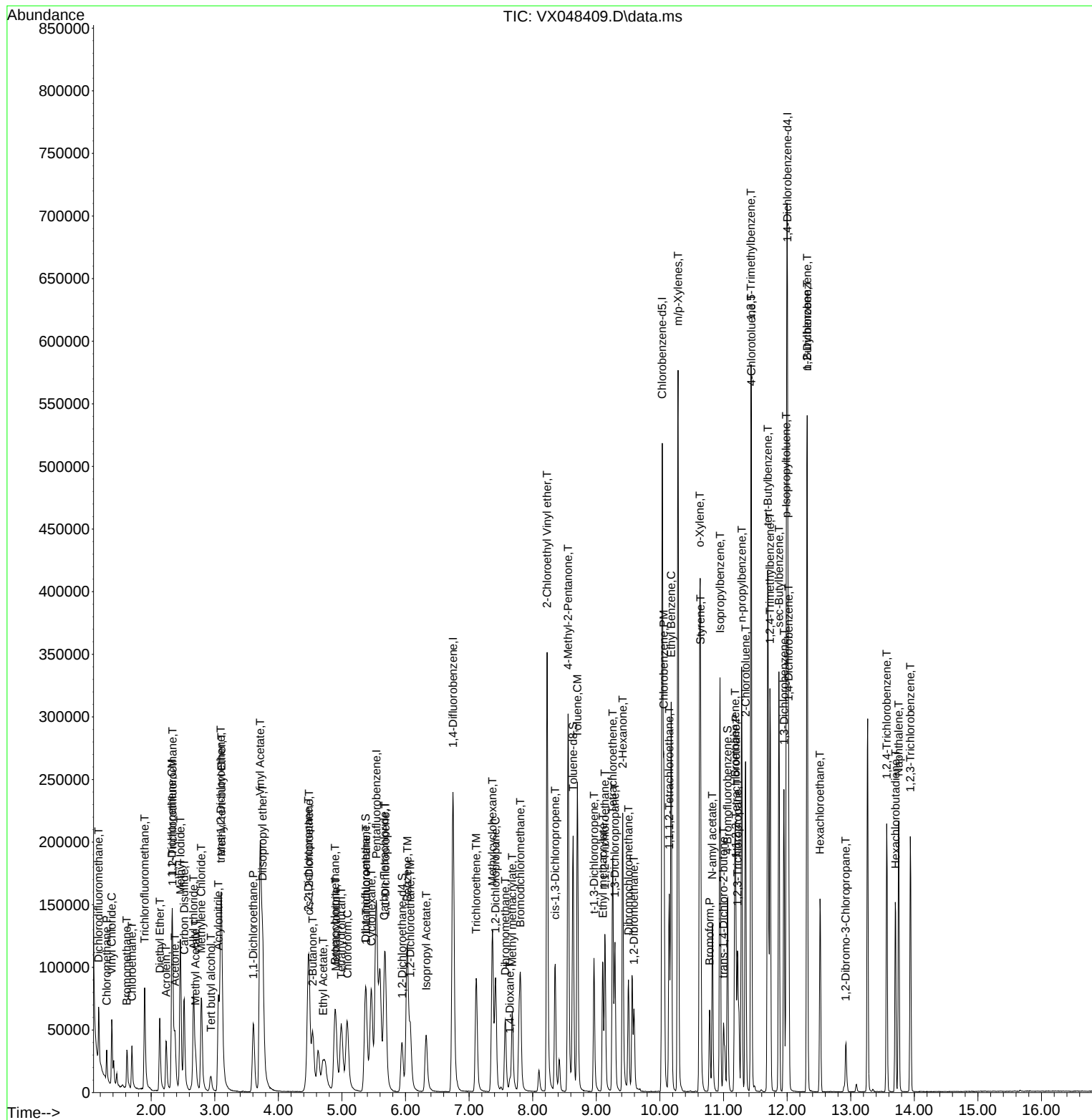
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048409.D
Acq On    : 29 Oct 2025  12:01
Operator  : JC/MD
Sample    : VSTDICC020
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 7      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC020

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048410.D  
 Acq On : 29 Oct 2025 12:22  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.537          | 168  | 159631     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.745          | 114  | 260667     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 228116     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 113172     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 107543     | 46.845  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.680% |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 71844      | 48.342  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.680% |        |          |
| 50) Toluene-d8               | 8.635          | 98   | 318405     | 48.535  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.080% |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 116328     | 47.402  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 94.800% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 86054      | 52.848  | ug/l   | 97       |
| 3) Chloromethane             | 1.300          | 50   | 43331      | 47.166  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.380          | 62   | 106317     | 50.098  | ug/l   | 99       |
| 5) Bromomethane              | 1.617          | 94   | 38607      | 50.360  | ug/l   | 98       |
| 6) Chloroethane              | 1.697          | 64   | 62479      | 49.505  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 165341     | 50.842  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.136          | 74   | 55774      | 47.453  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 93996      | 51.385  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.459          | 142  | 349838     | 47.561  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.940          | 59   | 42207      | 239.969 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 92758      | 49.922  | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 89237      | 243.066 | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 149275     | 47.441  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.056          | 53   | 196801     | 245.957 | ug/l   | 98       |
| 16) Acetone                  | 2.373          | 43   | 126696     | 243.498 | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.520          | 76   | 267528     | 50.216  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 78778      | 45.269  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 281466     | 47.305  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 95444      | 47.586  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 96815      | 49.056  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.751          | 45   | 315698     | 49.018  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1061175    | 242.046 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 176586     | 48.312  | ug/l   | 98       |
| 25) 2-Butanone               | 4.538          | 43   | 205263     | 246.945 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 151991     | 48.296  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 113692     | 48.269  | ug/l   | 97       |
| 28) Bromochloromethane       | 4.891          | 49   | 81862      | 49.419  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 4.989          | 42   | 144735     | 244.506 | ug/l   | 99       |
| 30) Chloroform               | 5.080          | 83   | 180495     | 48.005  | ug/l   | 99       |
| 31) Cyclohexane              | 5.464          | 56   | 161448     | 50.887  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 164402     | 49.529  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 127616     | 51.134  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.696          | 43   | 106949     | 50.298  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 145824     | 50.606  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.366          | 83   | 173232     | 53.976  | ug/l   | 94       |
| 40) Benzene                  | 6.025          | 78   | 383684     | 50.323  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048410.D  
 Acq On : 29 Oct 2025 12:22  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 55968    | 52.257   | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 130524   | 48.603   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 175181   | 49.902   | ug/l   | 97       |
| 44) Trichloroethene           | 7.110  | 130  | 99369    | 49.745   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 94397    | 49.574   | ug/l   | 99       |
| 46) Dibromomethane            | 7.568  | 93   | 65702    | 49.289   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.805  | 83   | 140139   | 49.480   | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.677  | 41   | 87031    | 50.837   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 20607    | 1059.032 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 488971   | 250.278  | ug/l   | 97       |
| 52) Toluene                   | 8.702  | 92   | 242665   | 50.935   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 129325   | 50.378   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 136550   | 49.371   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 84882    | 49.233   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 128314   | 50.827   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 148067   | 49.531   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 367501   | 244.619  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.415  | 43   | 327676   | 257.761  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.506  | 129  | 106333   | 49.868   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 88957    | 49.875   | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 91666    | 49.898   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 262400   | 49.930   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 90376    | 50.557   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.177 | 91   | 454961   | 51.416   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.287 | 106  | 352803   | 105.303  | ug/l   | 96       |
| 69) o-Xylene                  | 10.622 | 106  | 166368   | 51.964   | ug/l   | 95       |
| 70) Styrene                   | 10.640 | 104  | 281789   | 51.956   | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 63992    | 49.485   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 434670   | 51.927   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.823 | 43   | 154727   | 51.815   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 105102   | 49.570   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 84138m   | 47.668   | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 103197   | 49.908   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.286 | 91   | 520109   | 52.571   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 300130   | 50.527   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 361457   | 52.677   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 23520    | 50.010   | ug/l # | 75       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 353680   | 50.648   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 363942   | 52.099   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 355520   | 52.328   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 458548   | 52.681   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 388711   | 52.824   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 191269   | 48.436   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 193511   | 48.113   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.311 | 91   | 360265   | 52.145   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 67177    | 51.954   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 179863   | 49.151   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 21148    | 50.936   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 125804   | 49.820   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 54413    | 51.371   | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 332133   | 52.079   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 116883   | 50.959   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048410.D  
Acq On : 29 Oct 2025 12:22  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

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

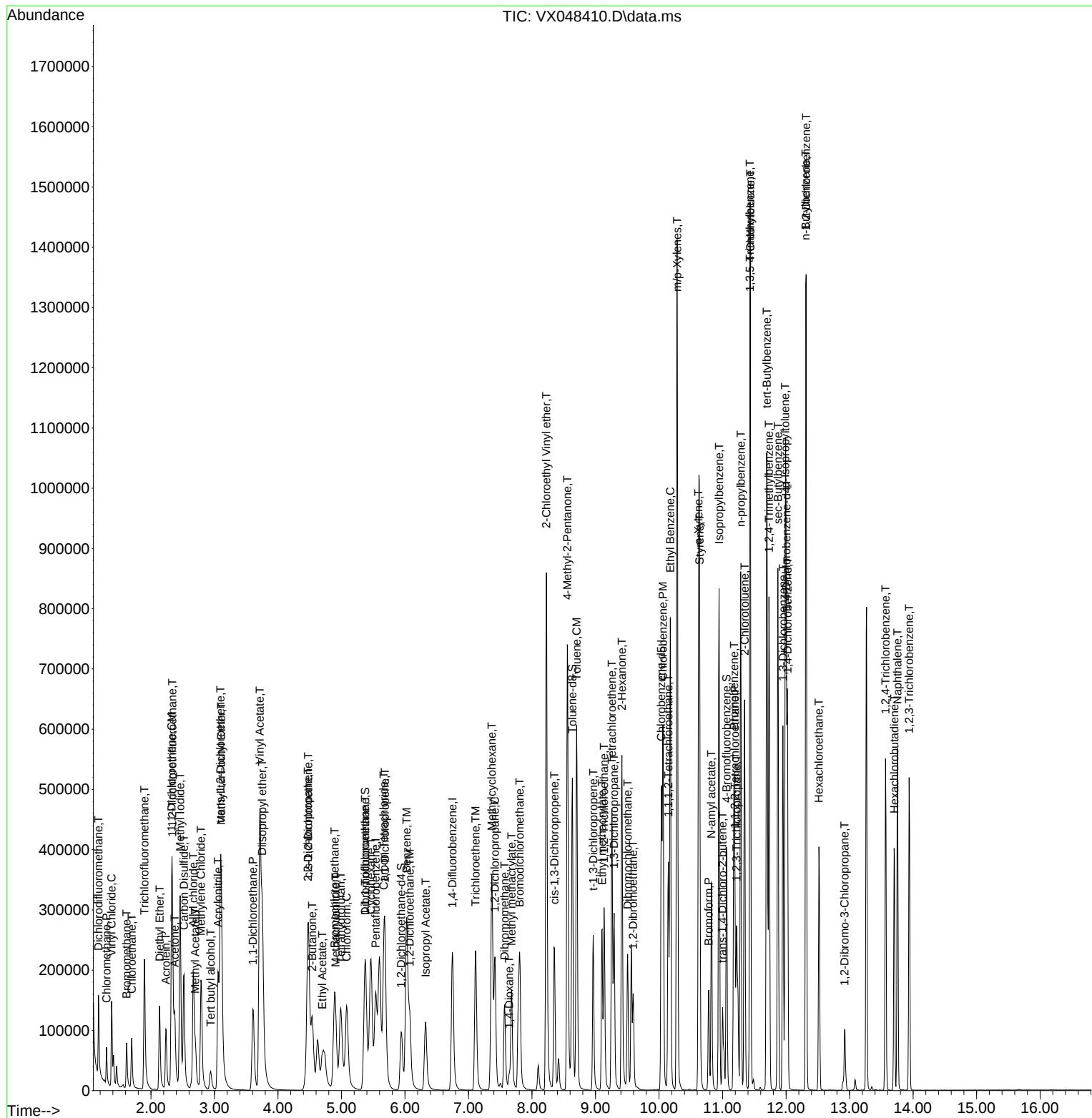
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048410.D  
 Acq On : 29 Oct 2025 12:22  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:20:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048411.D  
 Acq On : 29 Oct 2025 12:43  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Oct 30 02:21:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.537          | 168  | 136244               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 237043               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 210324               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 104326               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 198488               | 101.300 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 202.600%# |         |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 134096               | 99.222  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 198.440%# |         |        |          |
| 50) Toluene-d8               | 8.634          | 98   | 572267               | 95.926  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 191.860%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 212629               | 95.278  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 190.560%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 137281               | 98.781  | ug/l   | 94       |
| 3) Chloromethane             | 1.300          | 50   | 74538                | 95.062  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.380          | 62   | 184353               | 101.782 | ug/l   | 100      |
| 5) Bromomethane              | 1.611          | 94   | 64623                | 98.767  | ug/l   | 96       |
| 6) Chloroethane              | 1.691          | 64   | 108537               | 100.762 | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 274205               | 98.791  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 108025               | 107.685 | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 153910               | 98.581  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.459          | 142  | 666054               | 106.094 | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.940          | 59   | 82628                | 550.424 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 160970               | 101.505 | ug/l   | 94       |
| 13) Acrolein                 | 2.233          | 56   | 174355               | 556.434 | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 274038               | 102.042 | ug/l   | 98       |
| 15) Acrylonitrile            | 3.056          | 53   | 370003               | 541.798 | ug/l   | 100      |
| 16) Acetone                  | 2.373          | 43   | 239424               | 539.138 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 427175               | 93.947  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 166666               | 112.212 | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 538203               | 105.981 | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 177343               | 103.597 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 172196               | 102.229 | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.751          | 45   | 585908               | 106.589 | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1870693              | 499.934 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 324304               | 103.957 | ug/l   | 99       |
| 25) 2-Butanone               | 4.544          | 43   | 391216               | 551.449 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 273061               | 101.660 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 210051               | 104.487 | ug/l   | 98       |
| 28) Bromochloromethane       | 4.885          | 49   | 141528               | 100.105 | ug/l   | 94       |
| 29) Tetrahydrofuran          | 4.983          | 42   | 276529               | 547.338 | ug/l   | 97       |
| 30) Chloroform               | 5.080          | 83   | 330306               | 102.928 | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 262665               | 97.000  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 288051               | 101.676 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 219541               | 96.734  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.696          | 43   | 201911               | 104.423 | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 245308               | 93.614  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.366          | 83   | 277545               | 95.097  | ug/l   | 96       |
| 40) Benzene                  | 6.025          | 78   | 692820               | 99.925  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048411.D  
 Acq On : 29 Oct 2025 12:43  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.903  | 41   | 103566   | 106.336  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 243894   | 99.869   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 334952   | 104.923  | ug/l   | 96       |
| 44) Trichloroethene           | 7.110  | 130  | 179623   | 98.882   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 174772   | 100.932  | ug/l   | 98       |
| 46) Dibromomethane            | 7.568  | 93   | 123914   | 102.224  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.805  | 83   | 256800   | 99.708   | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.677  | 41   | 170938   | 109.801  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.647  | 88   | 39674    | 2242.121 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 925963   | 521.185  | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 433330   | 100.021  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 237643   | 101.798  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 247342   | 98.341   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 157981   | 100.765  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 252667   | 110.060  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 272104   | 100.095  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 666222   | 478.417  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.415  | 43   | 625915   | 541.437  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.506  | 129  | 195285   | 100.712  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 165360   | 101.951  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 158194   | 93.397   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.061 | 112  | 485587   | 100.215  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 169971   | 103.125  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 820586   | 100.581  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.287 | 106  | 626265   | 202.737  | ug/l   | 97       |
| 69) o-Xylene                  | 10.628 | 106  | 303089   | 102.675  | ug/l   | 97       |
| 70) Styrene                   | 10.640 | 104  | 524485   | 104.884  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 125602   | 105.343  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 772066   | 100.054  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 299571   | 108.827  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 199484   | 102.062  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 159600m  | 98.087   | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 191695   | 100.568  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.286 | 91   | 908036   | 99.564   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 544328   | 99.407   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 639478   | 101.097  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 45242    | 104.353  | ug/l # | 76       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 641755   | 99.695   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 646483   | 100.392  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.731 | 105  | 643122   | 102.686  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 791505   | 98.644   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.994 | 119  | 679495   | 100.170  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 347642   | 95.499   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 351340   | 94.761   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.317 | 91   | 626533   | 98.374   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.518 | 117  | 122970   | 103.167  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 335364   | 99.415   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 40725    | 106.406  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 234564   | 100.768  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 89940    | 92.112   | ug/l   | 98       |
| 95) Naphthalene               | 13.756 | 128  | 639328   | 108.748  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 214795   | 101.587  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048411.D  
Acq On : 29 Oct 2025 12:43  
Operator : JC/MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

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

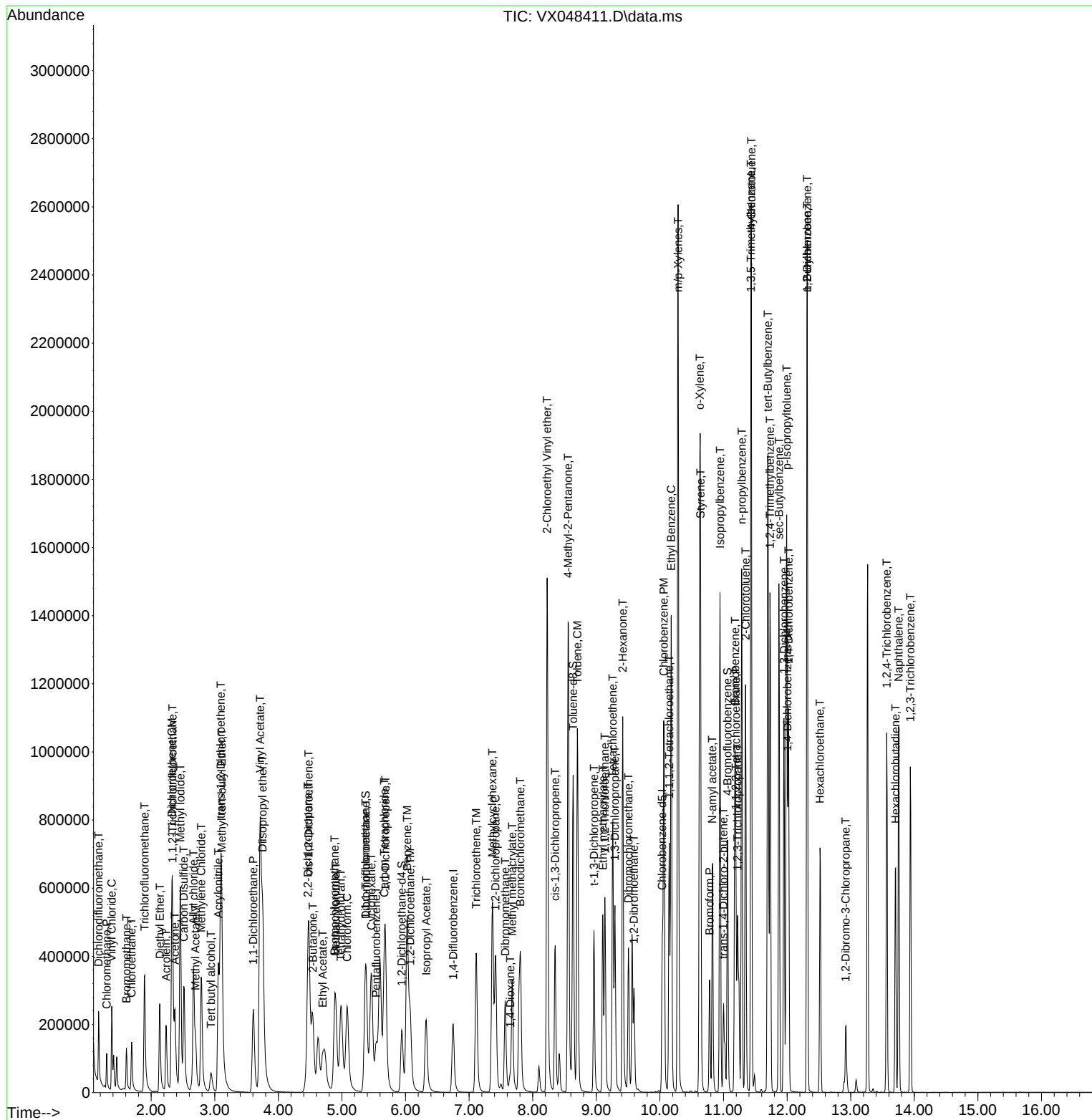
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048411.D
Acq On    : 29 Oct 2025  12:43
Operator  : JC/MD
Sample    : VSTDICC100
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 9   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC100

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:21:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048412.D  
 Acq On : 29 Oct 2025 13:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Oct 30 02:22:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                     | R.T.           | QIon | Response             | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|-------|----------|
| -----                        |                |      |                      |         |       |          |
| Internal Standards           |                |      |                      |         |       |          |
| 1) Pentafluorobenzene        | 5.538          | 168  | 133860               | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.745          | 114  | 221426               | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 196412               | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 93582                | 50.000  | ug/l  | # 0.00   |
| System Monitoring Compounds  |                |      |                      |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 296654               | 154.097 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 308.200%# |         |       |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 203803               | 161.437 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 322.880%# |         |       |          |
| 50) Toluene-d8               | 8.635          | 98   | 889352               | 159.591 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 319.180%# |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 322251               | 154.584 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 309.160%# |         |       |          |
| Target Compounds             |                |      |                      |         |       |          |
|                              |                |      |                      |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 226734               | 166.052 | ug/l  | 95       |
| 3) Chloromethane             | 1.300          | 50   | 111106               | 144.222 | ug/l  | 100      |
| 4) Vinyl Chloride            | 1.380          | 62   | 288493               | 162.114 | ug/l  | 100      |
| 5) Bromomethane              | 1.605          | 94   | 84416                | 131.315 | ug/l  | 99       |
| 6) Chloroethane              | 1.691          | 64   | 161444               | 152.548 | ug/l  | 97       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 441827               | 162.017 | ug/l  | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 153088               | 155.324 | ug/l  | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 251534               | 163.980 | ug/l  | 97       |
| 10) Methyl Iodide            | 2.459          | 142  | 1010524              | 163.830 | ug/l  | 98       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 118407               | 802.812 | ug/l  | 100      |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 252174               | 161.849 | ug/l  | 92       |
| 13) Acrolein                 | 2.233          | 56   | 237424               | 771.206 | ug/l  | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 401170               | 152.042 | ug/l  | 97       |
| 15) Acrylonitrile            | 3.056          | 53   | 523106               | 779.630 | ug/l  | 100      |
| 16) Acetone                  | 2.373          | 43   | 351359               | 805.286 | ug/l  | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 633259               | 141.750 | ug/l  | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 251146               | 172.102 | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 766372               | 153.599 | ug/l  | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 252059               | 149.866 | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 258099               | 155.957 | ug/l  | 98       |
| 22) Diisopropyl ether        | 3.751          | 45   | 832265               | 154.103 | ug/l  | 87       |
| 23) Vinyl Acetate            | 3.715          | 43   | 2484119              | 675.692 | ug/l  | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 472207               | 154.064 | ug/l  | 100      |
| 25) 2-Butanone               | 4.544          | 43   | 552156               | 792.168 | ug/l  | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 415494               | 157.443 | ug/l  | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 305748               | 154.799 | ug/l  | 98       |
| 28) Bromochloromethane       | 4.885          | 49   | 219437               | 157.975 | ug/l  | 93       |
| 29) Tetrahydrofuran          | 4.989          | 42   | 381074               | 767.699 | ug/l  | 96       |
| 30) Chloroform               | 5.080          | 83   | 473786               | 150.268 | ug/l  | 98       |
| 31) Cyclohexane              | 5.458          | 56   | 426944               | 160.475 | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 435417               | 156.431 | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 339315               | 160.053 | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.696          | 43   | 285505               | 158.070 | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 379794               | 155.159 | ug/l  | 98       |
| 39) Methylcyclohexane        | 7.366          | 83   | 462064               | 169.485 | ug/l  | 96       |
| 40) Benzene                  | 6.025          | 78   | 1012290              | 156.299 | ug/l  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048412.D  
 Acq On : 29 Oct 2025 13:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:16:32 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.904  | 41   | 143222   | 157.424  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 342371   | 150.080  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.324  | 43   | 474716   | 159.192  | ug/l   | 96       |
| 44) Trichloroethene           | 7.110  | 130  | 269776   | 158.985  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.415  | 63   | 250400   | 154.807  | ug/l   | 98       |
| 46) Dibromomethane            | 7.568  | 93   | 174988   | 154.540  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.805  | 83   | 365541   | 151.939  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.677  | 41   | 241987   | 166.402  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.647  | 88   | 56913    | 3443.207 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.561  | 43   | 1289048  | 776.723  | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 634130   | 156.693  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 327554   | 150.209  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.354  | 75   | 335804   | 142.929  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 222130   | 151.673  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.104  | 69   | 353810   | 164.986  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 382063   | 150.457  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.232  | 63   | 1003535  | 765.777  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.415  | 43   | 873591   | 808.982  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.506  | 129  | 277503   | 153.207  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 230295   | 152.001  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 241539   | 152.704  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.061 | 112  | 694655   | 153.517  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 245997   | 159.824  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 1219491  | 160.063  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.287 | 106  | 915429   | 317.337  | ug/l   | 97       |
| 69) o-Xylene                  | 10.628 | 106  | 441800   | 160.266  | ug/l   | 95       |
| 70) Styrene                   | 10.640 | 104  | 750150   | 160.637  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 178023   | 159.885  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 1146983  | 165.706  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.829 | 43   | 420212   | 170.178  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 277481   | 158.267  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 218653m  | 149.808  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 276189   | 161.530  | ug/l   | 100      |
| 78) n-propylbenzene           | 11.287 | 91   | 1358131  | 166.012  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 793064   | 161.461  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 945889   | 166.707  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 64047    | 164.688  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 926294   | 160.417  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 971214   | 168.135  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 941993   | 167.674  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 1200340  | 166.771  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.994 | 119  | 1026794  | 168.747  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 507315   | 155.362  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 513410   | 154.371  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.317 | 91   | 967683   | 169.383  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 187919   | 175.757  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 480520   | 158.798  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 58903    | 171.570  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 346016   | 165.713  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 144920   | 165.459  | ug/l   | 98       |
| 95) Naphthalene               | 13.756 | 128  | 916442   | 173.781  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 320819   | 169.151  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048412.D  
Acq On : 29 Oct 2025 13:03  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration

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

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

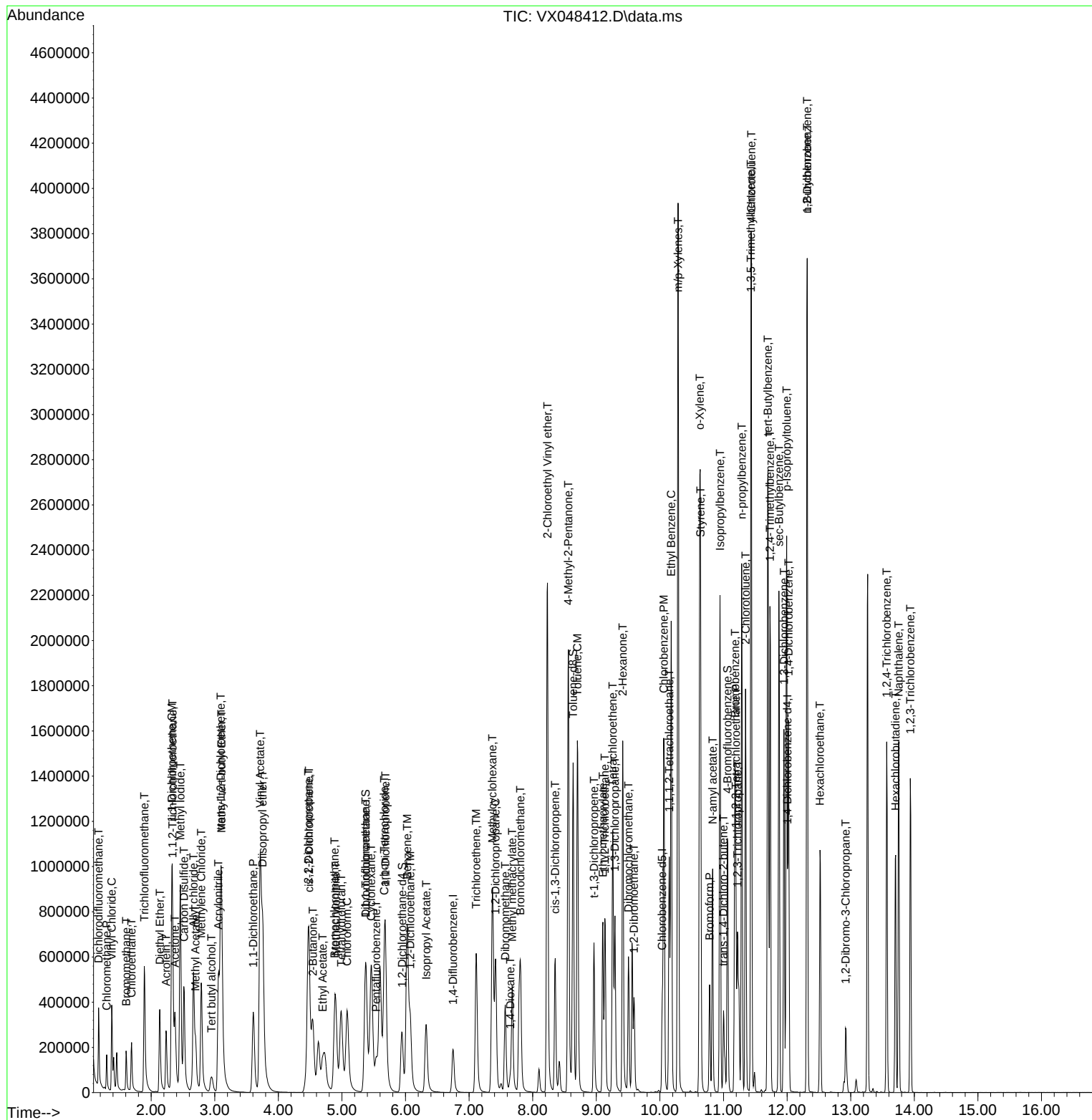
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102925\
Data File : VX048412.D
Acq On    : 29 Oct 2025 13:03
Operator  : JC/MD
Sample    : VSTDICC150
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 10 Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC150

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:22:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:16:32 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.531          | 168  | 169033     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.738          | 114  | 283921     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 247547     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.000         | 152  | 120737     | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.928          | 65   | 113083     | 46.518  | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 93.040% |        |          |
| 35) Dibromofluoromethane     | 5.361          | 113  | 75432      | 46.599  | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.200% |        |          |
| 50) Toluene-d8               | 8.628          | 98   | 332571     | 46.543  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 93.080% |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 121242     | 45.358  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 90.720% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 87826      | 50.937  | ug/l   | 98       |
| 3) Chloromethane             | 1.300          | 50   | 49984      | 51.381  | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.380          | 62   | 113635     | 50.568  | ug/l   | 100      |
| 5) Bromomethane              | 1.617          | 94   | 42740      | 52.651  | ug/l   | 99       |
| 6) Chloroethane              | 1.691          | 64   | 65647      | 49.122  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 172799     | 50.180  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.129          | 74   | 61387      | 49.323  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 96708      | 49.927  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 381375     | 48.964  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.928          | 59   | 42280      | 227.013 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 98107      | 49.864  | ug/l   | 92       |
| 13) Acrolein                 | 2.233          | 56   | 88198      | 226.874 | ug/l   | 97       |
| 14) Allyl chloride           | 2.660          | 41   | 161876     | 48.584  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.050          | 53   | 203321     | 239.972 | ug/l   | 98       |
| 16) Acetone                  | 2.367          | 43   | 128407     | 233.060 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 285049     | 50.529  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.690          | 43   | 82047      | 44.525  | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.099          | 73   | 305066     | 48.420  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 104451     | 49.180  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 103065     | 49.318  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.745          | 45   | 343340     | 50.345  | ug/l   | 86       |
| 23) Vinyl Acetate            | 3.702          | 43   | 1149068    | 247.515 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 190850     | 49.311  | ug/l   | 99       |
| 25) 2-Butanone               | 4.525          | 43   | 205140     | 233.069 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.458          | 77   | 161320     | 48.409  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.471          | 96   | 123416     | 49.483  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.873          | 49   | 87699      | 49.998  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 4.970          | 42   | 140040     | 223.415 | ug/l   | 96       |
| 30) Chloroform               | 5.068          | 83   | 191447     | 48.085  | ug/l   | 96       |
| 31) Cyclohexane              | 5.452          | 56   | 164771     | 49.045  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 5.361          | 97   | 172962     | 49.209  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.672          | 75   | 134675     | 49.543  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.684          | 43   | 108329     | 46.775  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.653          | 117  | 150439     | 47.932  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.360          | 83   | 169550     | 48.502  | ug/l   | 96       |
| 40) Benzene                  | 6.013          | 78   | 405701     | 48.853  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Amit Patel 10/30/2025  
 Supervised By :Mahesh Dadoda 10/30/2025

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 55528    | 47.600  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.062  | 62   | 140522   | 48.040  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 178752   | 46.749  | ug/l   | 97       |
| 44) Trichloroethene           | 7.104  | 130  | 105821   | 48.636  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 99046    | 47.756  | ug/l   | 97       |
| 46) Dibromomethane            | 7.561  | 93   | 69810    | 48.082  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.799  | 83   | 150891   | 48.913  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.671  | 41   | 90239    | 48.394  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 20720    | 977.625 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 485001   | 227.914 | ug/l   | 96       |
| 52) Toluene                   | 8.701  | 92   | 252888   | 48.734  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 139347   | 49.836  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 148316   | 49.233  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 89132    | 47.464  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 133617   | 48.593  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 154729   | 47.520  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 360689   | 221.341 | ug/l   | 97       |
| 59) 2-Hexanone                | 9.409  | 43   | 323151   | 233.382 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 111965   | 48.209  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 91354    | 47.024  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.256  | 164  | 95139    | 47.723  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.061 | 112  | 276902   | 48.554  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131  | 97283    | 50.149  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 483137   | 50.314  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.280 | 106  | 364180   | 100.167 | ug/l   | 97       |
| 69) o-Xylene                  | 10.622 | 106  | 174961   | 50.358  | ug/l   | 96       |
| 70) Styrene                   | 10.634 | 104  | 297560   | 50.557  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 66125    | 47.120  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 452795   | 50.703  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 158286   | 49.685  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 105640   | 46.702  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 87607m   | 50.455  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 107639   | 48.794  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.286 | 91   | 532087   | 50.412  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.341 | 91   | 312464   | 49.307  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 370047   | 50.550  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 25014    | 49.854  | ug/l # | 80       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 368839   | 49.510  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 368966   | 49.509  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.731 | 105  | 376695   | 51.971  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 465581   | 50.138  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.987 | 119  | 400026   | 50.956  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 201043   | 47.721  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 200104   | 46.635  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.311 | 91   | 362152   | 49.134  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.518 | 117  | 69400    | 50.310  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 187978   | 48.150  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 20591    | 46.487  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.566 | 180  | 131117   | 48.671  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 54839    | 48.529  | ug/l   | 97       |
| 95) Naphthalene               | 13.755 | 128  | 331522   | 48.726  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 118602   | 48.468  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/30/2025  
Supervised By :Mahesh Dadoda 10/30/2025

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## Client SampleId :

ICVVX102925

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/30/2025

Supervised By :Mahesh Dadoda 10/30/2025

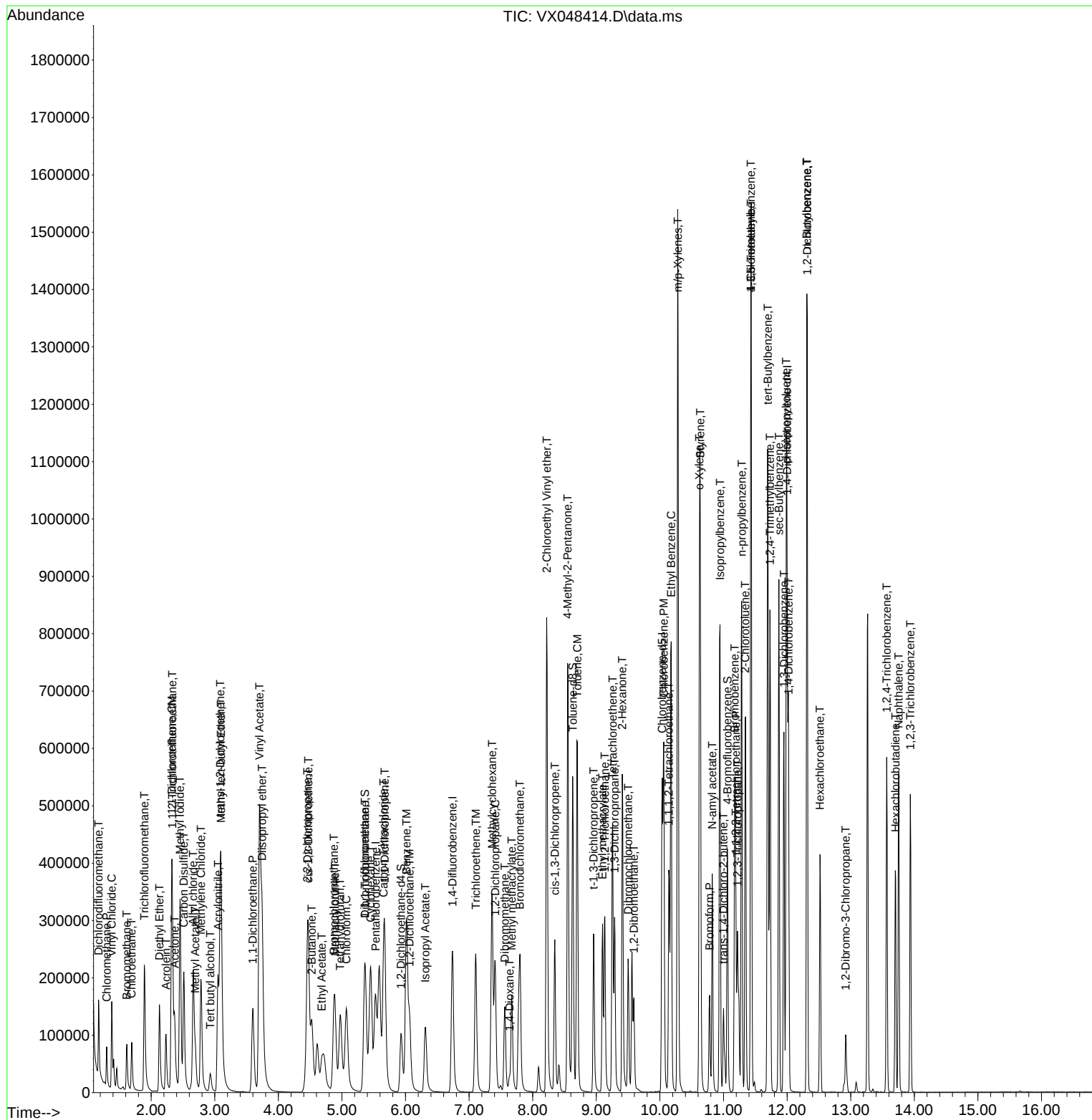
Quant Time: Oct 30 02:39:06 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Quant Title : SW846 8260

QLast Update : Thu Oct 30 02:37:17 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.510 | 0.520 | -2.0  | 102   | 0.00     |
| 3 P   | Chloromethane               | 0.288 | 0.296 | -2.8  | 115   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.665 | 0.672 | -1.1# | 107   | 0.00     |
| 5 T   | Bromomethane                | 0.240 | 0.253 | -5.4  | 111   | 0.00     |
| 6 T   | Chloroethane                | 0.395 | 0.388 | 1.8   | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.019 | 1.022 | -0.3  | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.368 | 0.363 | 1.4   | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.572 | 0.2   | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 2.304 | 2.256 | 2.1   | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.050 | 9.1   | 100   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.582 | 0.580 | 0.3#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 0.115 | 0.104 | 9.6   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 0.986 | 0.958 | 2.8   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 0.251 | 0.241 | 4.0   | 103   | 0.00     |
| 16 T  | Acetone                     | 0.163 | 0.152 | 6.7   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.669 | 1.686 | -1.0  | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 0.545 | 0.485 | 11.0  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.864 | 1.805 | 3.2   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 0.628 | 0.618 | 1.6   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.618 | 0.610 | 1.3   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.017 | 2.031 | -0.7  | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.373 | 1.360 | 0.9   | 108   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 1.145 | 1.129 | 1.4   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 0.260 | 0.243 | 6.5   | 100   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.954 | 3.2   | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.738 | 0.730 | 1.1   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 0.519 | 0.519 | 0.0   | 107   | -0.02    |
| 29 T  | Tetrahydrofuran             | 0.185 | 0.166 | 10.3  | 97    | -0.02    |
| 30 C  | Chloroform                  | 1.178 | 1.133 | 3.8#  | 106   | -0.01    |
| 31 T  | Cyclohexane                 | 0.994 | 0.975 | 1.9   | 102   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 1.040 | 1.023 | 1.6   | 105   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 0.719 | 0.669 | 7.0   | 105   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.285 | 0.266 | 6.7   | 105   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.474 | 1.0   | 106   | -0.01    |
| 37 T  | Ethyl Acetate               | 0.408 | 0.382 | 6.4   | 101   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.553 | 0.530 | 4.2   | 103   | -0.01    |
| 39 T  | Methylcyclohexane           | 0.616 | 0.597 | 3.1   | 98    | 0.00     |
| 40 TM | Benzene                     | 1.462 | 1.429 | 2.3   | 106   | -0.01    |
| 41 T  | Methacrylonitrile           | 0.205 | 0.196 | 4.4   | 99    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 0.515 | 0.495 | 3.9   | 108   | -0.01    |
| 43 T  | Isopropyl Acetate           | 0.673 | 0.630 | 6.4   | 102   | -0.01    |
| 44 TM | Trichloroethene             | 0.383 | 0.373 | 2.6   | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.349 | 4.4#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.256 | 0.246 | 3.9   | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.543 | 0.531 | 2.2   | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.328 | 0.318 | 3.0   | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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                 | 0.004 | 0.004 | 0.0   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.171 | 6.9   | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.375 | 0.342 | 8.8   | 99    | 0.00     |
| 52 CM | Toluene                     | 0.914 | 0.891 | 2.5#  | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.492 | 0.491 | 0.2   | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.531 | 0.522 | 1.7   | 109   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.331 | 0.314 | 5.1   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.484 | 0.471 | 2.7   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.573 | 0.545 | 4.9   | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.251 | 0.254 | -1.2  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.244 | 0.228 | 6.6   | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.409 | 0.394 | 3.7   | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.342 | 0.322 | 5.8   | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.471 | 0.427 | 9.3   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.403 | 0.384 | 4.7   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 1.152 | 1.119 | 2.9   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.393 | -0.3  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.940 | 1.952 | -0.6# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.734 | 0.736 | -0.3  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 0.702 | 0.707 | -0.7  | 105   | 0.00     |
| 70 T  | Styrene                     | 1.189 | 1.202 | -1.1  | 106   | 0.00     |
| 71 P  | Bromoform                   | 0.283 | 0.267 | 5.7   | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.698 | 3.750 | -1.4  | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 1.319 | 1.311 | 0.6   | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.937 | 0.875 | 6.6   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.719 | 0.726 | -1.0  | 104   | 0.00     |
| 77 T  | Bromobenzene                | 0.914 | 0.892 | 2.4   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 4.371 | 4.407 | -0.8  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.624 | 2.588 | 1.4   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.032 | 3.065 | -1.1  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.208 | 0.207 | 0.5   | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.085 | 3.055 | 1.0   | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.086 | 3.056 | 1.0   | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.002 | 3.120 | -3.9  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.846 | 3.856 | -0.3  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.251 | 3.313 | -1.9  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.665 | 4.6   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.777 | 1.657 | 6.8   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 3.052 | 3.000 | 1.7   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.575 | -0.7  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.617 | 1.557 | 3.7   | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.183 | 0.171 | 6.6   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.116 | 1.086 | 2.7   | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.468 | 0.454 | 3.0   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 2.818 | 2.746 | 2.6   | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 1.013 | 0.982 | 3.1  | 101   | 0.00     |

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102925\  
 Data File : WX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.937  | -1.9  | 102   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.381  | -2.8  | 115   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.568  | -1.1# | 107   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.651  | -5.3  | 111   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.122  | 1.8   | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 50.180  | -0.4  | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 49.323  | 1.4   | 110   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.927  | 0.1   | 103   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.964  | 2.1   | 109   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 227.013 | 9.2   | 100   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.864  | 0.3#  | 106   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 226.874 | 9.3   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.584  | 2.8   | 108   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.972 | 4.0   | 103   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 233.060 | 6.8   | 101   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.529  | -1.1  | 107   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 44.525  | 11.0  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.420  | 3.2   | 108   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.180  | 1.6   | 109   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.318  | 1.4   | 106   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.345  | -0.7  | 109   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 247.515 | 1.0   | 108   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.311  | 1.4   | 108   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.069 | 6.8   | 100   | -0.01    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 48.409  | 3.2   | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.483  | 1.0   | 109   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.998  | 0.0   | 107   | -0.02    |
| 29 T  | Tetrahydrofuran             | 250.000 | 223.415 | 10.6  | 97    | -0.02    |
| 30 C  | Chloroform                  | 50.000  | 48.085  | 3.8#  | 106   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 49.045  | 1.9   | 102   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.209  | 1.6   | 105   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 46.518  | 7.0   | 105   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 109   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.599  | 6.8   | 105   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.543  | 0.9   | 106   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 46.775  | 6.5   | 101   | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 47.932  | 4.1   | 103   | -0.01    |
| 39 T  | Methylcyclohexane           | 50.000  | 48.502  | 3.0   | 98    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.853  | 2.3   | 106   | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 47.600  | 4.8   | 99    | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.040  | 3.9   | 108   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.749  | 6.5   | 102   | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 48.636  | 2.7   | 106   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.756  | 4.5#  | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 48.082  | 3.8   | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.913  | 2.2   | 108   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.394  | 3.2   | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX102925\  
 Data File : VX048414.D  
 Acq On : 29 Oct 2025 14:27  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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 | 977.625 | 2.2   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 46.543  | 6.9   | 104   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 227.914 | 8.8   | 99    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.734  | 2.5#  | 104   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 49.836  | 0.3   | 108   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.233  | 1.5   | 109   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.464  | 5.1   | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.593  | 2.8   | 104   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.520  | 5.0   | 104   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 221.341 | 11.5  | 98    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 233.382 | 6.6   | 99    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 48.209  | 3.6   | 105   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.024  | 6.0   | 103   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 45.358  | 9.3   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 109   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.723  | 4.6   | 104   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.554  | 2.9   | 106   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.149  | -0.3  | 108   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.314  | -0.6# | 106   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.167 | -0.2  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.358  | -0.7  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.557  | -1.1  | 106   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.120  | 5.8   | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 107   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.703  | -1.4  | 104   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 49.685  | 0.6   | 102   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.702  | 6.6   | 101   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 50.455  | -0.9  | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.794  | 2.4   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.412  | -0.8  | 102   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.307  | 1.4   | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.550  | -1.1  | 102   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.854  | 0.3   | 106   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 49.510  | 1.0   | 104   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.509  | 1.0   | 101   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.971  | -3.9  | 106   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.138  | -0.3  | 102   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.956  | -1.9  | 103   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.721  | 4.6   | 105   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.635  | 6.7   | 103   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.134  | 1.7   | 101   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.310  | -0.6  | 103   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.150  | 3.7   | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.487  | 7.0   | 97    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.671  | 2.7   | 104   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.529  | 2.9   | 101   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.726  | 2.5   | 100   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048414.D  
Acq On : 29 Oct 2025 14:27  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX102925

Quant Time: Oct 30 02:39:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 48.468 | 3.1  | 101   | 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02  
 Lab Code: ACE SDG No.: Q3495  
 Instrument ID: MSVOA\_Y Calibration Date(s): 10/07/2025 10/07/2025  
 Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                   |        | RRF005 = VY023384.D |        | RRF010 = VY023385.D |        | RRF020 = VY023386.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VY023387.D |        | RRF100 = VY023388.D |        | RRF150 = VY023389.D |       |       |  |
| COMPOUND                       | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.397  | 0.399               | 0.400  | 0.321               | 0.310  | 0.333               | 0.360 | 12    |  |
| Chloromethane                  | 0.518  | 0.557               | 0.512  | 0.449               | 0.438  | 0.467               | 0.490 | 9.4   |  |
| Vinyl Chloride                 | 0.660  | 0.684               | 0.659  | 0.598               | 0.597  | 0.633               | 0.639 | 5.6   |  |
| Bromomethane                   | 0.601  | 0.596               | 0.548  | 0.469               | 0.483  | 0.518               | 0.536 | 10.4  |  |
| Chloroethane                   | 0.441  | 0.462               | 0.453  | 0.414               | 0.413  | 0.429               | 0.435 | 4.7   |  |
| Trichlorofluoromethane         | 0.884  | 0.920               | 0.946  | 0.842               | 0.850  | 0.877               | 0.887 | 4.5   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.484  | 0.486               | 0.479  | 0.437               | 0.429  | 0.445               | 0.460 | 5.6   |  |
| 1,1-Dichloroethene             | 0.449  | 0.475               | 0.456  | 0.427               | 0.426  | 0.443               | 0.446 | 4.1   |  |
| Acetone                        | 0.128  | 0.117               | 0.094  | 0.084               | 0.085  | 0.089               | 0.100 | 18.7  |  |
| Carbon Disulfide               | 1.291  | 1.367               | 1.320  | 1.225               | 1.210  | 1.246               | 1.277 | 4.7   |  |
| Methyl tert-butyl Ether        | 1.006  | 1.075               | 1.075  | 1.020               | 1.091  | 1.165               | 1.072 | 5.3   |  |
| Methyl Acetate                 | 0.244  | 0.265               | 0.260  | 0.245               | 0.266  | 0.286               | 0.261 | 6     |  |
| Methylene Chloride             | 0.625  | 0.634               | 0.576  | 0.458               | 0.463  | 0.473               | 0.538 | 15.4  |  |
| trans-1,2-Dichloroethene       | 0.494  | 0.504               | 0.507  | 0.470               | 0.478  | 0.494               | 0.491 | 2.9   |  |
| 1,1-Dichloroethane             | 0.800  | 0.835               | 0.827  | 0.759               | 0.765  | 0.792               | 0.796 | 3.9   |  |
| Cyclohexane                    | 0.797  | 0.717               | 0.697  | 0.643               | 0.644  | 0.676               | 0.696 | 8.3   |  |
| 2-Butanone                     | 0.133  | 0.134               | 0.115  | 0.105               | 0.115  | 0.126               | 0.122 | 9.6   |  |
| Carbon Tetrachloride           | 0.483  | 0.501               | 0.504  | 0.481               | 0.487  | 0.503               | 0.493 | 2.1   |  |
| cis-1,2-Dichloroethene         | 0.542  | 0.584               | 0.582  | 0.542               | 0.563  | 0.591               | 0.567 | 3.8   |  |
| Bromochloromethane             | 0.332  | 0.323               | 0.320  | 0.267               | 0.270  | 0.273               | 0.297 | 10.2  |  |
| Chloroform                     | 0.886  | 0.912               | 0.901  | 0.835               | 0.842  | 0.874               | 0.875 | 3.5   |  |
| 1,1,1-Trichloroethane          | 0.808  | 0.814               | 0.822  | 0.767               | 0.764  | 0.796               | 0.795 | 3.1   |  |
| Methylcyclohexane              | 0.491  | 0.486               | 0.537  | 0.527               | 0.554  | 0.583               | 0.530 | 7     |  |
| Benzene                        | 1.253  | 1.302               | 1.322  | 1.259               | 1.281  | 1.312               | 1.288 | 2.2   |  |
| 1,2-Dichloroethane             | 0.328  | 0.346               | 0.343  | 0.315               | 0.324  | 0.338               | 0.332 | 3.6   |  |
| Trichloroethene                | 0.380  | 0.381               | 0.386  | 0.367               | 0.372  | 0.376               | 0.377 | 1.8   |  |
| 1,2-Dichloropropane            | 0.276  | 0.289               | 0.292  | 0.274               | 0.283  | 0.293               | 0.285 | 2.9   |  |
| Bromodichloromethane           | 0.440  | 0.463               | 0.459  | 0.439               | 0.449  | 0.468               | 0.453 | 2.7   |  |
| 4-Methyl-2-Pentanone           | 0.141  | 0.159               | 0.161  | 0.159               | 0.180  | 0.196               | 0.166 | 11.6  |  |
| Toluene                        | 0.777  | 0.818               | 0.855  | 0.827               | 0.855  | 0.885               | 0.836 | 4.5   |  |

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



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02  
 Lab Code: ACE SDG No.: Q3495  
 Instrument ID: MSVOA\_Y Calibration Date(s): 10/07/2025 10/07/2025  
 Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:                |        | RRF005 = VY023384.D |        | RRF010 = VY023385.D |        | RRF020 = VY023386.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF050 = VY023387.D |        | RRF100 = VY023388.D |        | RRF150 = VY023389.D |       |       |  |
| COMPOUND                    | RRF005 | RRF010              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| t-1,3-Dichloropropene       | 0.357  | 0.380               | 0.390  | 0.385               | 0.415  | 0.438               | 0.394 | 7.2   |  |
| cis-1,3-Dichloropropene     | 0.424  | 0.460               | 0.465  | 0.455               | 0.481  | 0.505               | 0.465 | 5.9   |  |
| 1,1,2-Trichloroethane       | 0.234  | 0.247               | 0.241  | 0.231               | 0.244  | 0.254               | 0.242 | 3.5   |  |
| 2-Hexanone                  | 0.108  | 0.117               | 0.110  | 0.112               | 0.126  | 0.138               | 0.119 | 9.9   |  |
| Dibromochloromethane        | 0.319  | 0.337               | 0.340  | 0.327               | 0.347  | 0.365               | 0.339 | 4.7   |  |
| 1,2-Dibromoethane           | 0.215  | 0.229               | 0.231  | 0.223               | 0.237  | 0.249               | 0.231 | 5.2   |  |
| Tetrachloroethene           | 0.538  | 0.517               | 0.561  | 0.523               | 0.502  | 0.456               | 0.516 | 6.9   |  |
| Chlorobenzene               | 1.086  | 1.095               | 1.092  | 1.053               | 1.083  | 1.116               | 1.087 | 1.9   |  |
| Ethyl Benzene               | 1.606  | 1.711               | 1.753  | 1.777               | 1.824  | 1.891               | 1.760 | 5.5   |  |
| m/p-Xylenes                 | 0.632  | 0.675               | 0.715  | 0.719               | 0.734  | 0.763               | 0.706 | 6.5   |  |
| o-Xylene                    | 0.588  | 0.623               | 0.653  | 0.670               | 0.701  | 0.738               | 0.662 | 8.1   |  |
| Styrene                     | 0.902  | 1.026               | 1.098  | 1.109               | 1.166  | 1.233               | 1.089 | 10.5  |  |
| Bromoform                   | 0.225  | 0.242               | 0.238  | 0.230               | 0.244  | 0.262               | 0.240 | 5.4   |  |
| Isopropylbenzene            | 2.967  | 3.153               | 3.353  | 3.317               | 3.425  | 3.555               | 3.295 | 6.3   |  |
| 1,1,2,2-Tetrachloroethane   | 0.530  | 0.548               | 0.502  | 0.499               | 0.543  | 0.611               | 0.539 | 7.6   |  |
| 1,3-Dichlorobenzene         | 1.667  | 1.698               | 1.718  | 1.657               | 1.701  | 1.794               | 1.706 | 2.9   |  |
| 1,4-Dichlorobenzene         | 1.703  | 1.703               | 1.694  | 1.624               | 1.653  | 1.732               | 1.685 | 2.3   |  |
| 1,2-Dichlorobenzene         | 1.485  | 1.498               | 1.511  | 1.446               | 1.490  | 1.543               | 1.496 | 2.1   |  |
| 1,2-Dibromo-3-Chloropropane | 0.087  | 0.093               | 0.083  | 0.083               | 0.088  | 0.096               | 0.088 | 6.2   |  |
| 1,2,4-Trichlorobenzene      | 0.846  | 0.867               | 0.901  | 0.918               | 1.007  | 1.054               | 0.932 | 8.7   |  |
| 1,2,3-Trichlorobenzene      | 0.719  | 0.753               | 0.795  | 0.793               | 0.866  | 0.920               | 0.808 | 9.1   |  |
| 1,2-Dichloroethane-d4       | 0.455  | 0.436               | 0.429  | 0.392               | 0.392  | 0.405               | 0.418 | 6.2   |  |
| Dibromofluoromethane        | 0.311  | 0.314               | 0.317  | 0.298               | 0.299  | 0.303               | 0.307 | 2.6   |  |
| Toluene-d8                  | 1.132  | 1.170               | 1.177  | 1.129               | 1.122  | 1.135               | 1.144 | 2     |  |
| 4-Bromofluorobenzene        | 0.401  | 0.370               | 0.373  | 0.365               | 0.372  | 0.386               | 0.378 | 3.5   |  |

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\  
 Method File : 82Y100725S.M  
 Title : SW846 8260  
 Last Update : Wed Oct 08 05:12:50 2025  
 Response Via : Initial Calibration

## Calibration Files

5 =VY023384.D 10 =VY023385.D 20 =VY023386.D 50 =VY023387.D 100 =VY023388.D 150 =VY023389.D

|        | Compound            | 5              | 10    | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T   | Dichlorodifluo...   | 0.397          | 0.399 | 0.400 | 0.321 | 0.310 | 0.333 | 0.360 | 11.97 |
| 3) P   | Chloromethane       | 0.518          | 0.557 | 0.512 | 0.449 | 0.438 | 0.467 | 0.490 | 9.45  |
| 4) C   | Vinyl Chloride      | 0.660          | 0.684 | 0.659 | 0.598 | 0.597 | 0.633 | 0.639 | 5.59# |
| 5) T   | Bromomethane        | 0.601          | 0.596 | 0.548 | 0.469 | 0.483 | 0.518 | 0.536 | 10.42 |
| 6) T   | Chloroethane        | 0.441          | 0.462 | 0.453 | 0.414 | 0.413 | 0.429 | 0.435 | 4.67  |
| 7) T   | Trichlorofluor...   | 0.884          | 0.920 | 0.946 | 0.842 | 0.850 | 0.877 | 0.887 | 4.54  |
| 8) T   | Diethyl Ether       | 0.240          | 0.239 | 0.236 | 0.215 | 0.224 | 0.237 | 0.232 | 4.42  |
| 9) T   | 1,1,2-Trichlor...   | 0.484          | 0.486 | 0.479 | 0.437 | 0.429 | 0.445 | 0.460 | 5.57  |
| 10) T  | Methyl Iodide       | 0.404          | 0.503 | 0.518 | 0.538 | 0.547 | 0.562 | 0.512 | 11.09 |
| 11) T  | Tert butyl alc...   | 0.033          | 0.037 | 0.030 | 0.025 | 0.029 | 0.033 | 0.031 | 13.08 |
| 12) CM | 1,1-Dichloroet...   | 0.449          | 0.475 | 0.456 | 0.427 | 0.426 | 0.443 | 0.446 | 4.14# |
| 13) T  | Acrolein            | 0.045          | 0.043 | 0.042 | 0.042 | 0.044 | 0.048 | 0.044 | 5.27  |
| 14) T  | Allyl chloride      | 0.540          | 0.555 | 0.546 | 0.526 | 0.535 | 0.560 | 0.544 | 2.33  |
| 15) T  | Acrylonitrile       | 0.088          | 0.093 | 0.086 | 0.082 | 0.088 | 0.095 | 0.089 | 5.52  |
| 16) T  | Acetone             | 0.128          | 0.117 | 0.094 | 0.084 | 0.085 | 0.089 | 0.100 | 18.67 |
| 17) T  | Carbon Disulfide    | 1.291          | 1.367 | 1.320 | 1.225 | 1.210 | 1.246 | 1.277 | 4.74  |
| 18) T  | Methyl Acetate      | 0.244          | 0.265 | 0.260 | 0.245 | 0.266 | 0.286 | 0.261 | 6.00  |
| 19) T  | Methyl tert-bu...   | 1.006          | 1.075 | 1.075 | 1.020 | 1.091 | 1.165 | 1.072 | 5.30  |
| 20) T  | Methylene Chlo...   | 0.625          | 0.634 | 0.576 | 0.458 | 0.463 | 0.473 | 0.538 | 15.41 |
| 21) T  | trans-1,2-Dich...   | 0.494          | 0.504 | 0.507 | 0.470 | 0.478 | 0.494 | 0.491 | 2.95  |
| 22) T  | Diisopropyl ether   | 1.107          | 1.238 | 1.255 | 1.163 | 1.195 | 1.257 | 1.202 | 4.95  |
| 23) T  | Vinyl Acetate       | 0.594          | 0.646 | 0.651 | 0.625 | 0.667 | 0.722 | 0.651 | 6.65  |
| 24) P  | 1,1-Dichloroet...   | 0.800          | 0.835 | 0.827 | 0.759 | 0.765 | 0.792 | 0.796 | 3.90  |
| 25) T  | 2-Butanone          | 0.133          | 0.134 | 0.115 | 0.105 | 0.115 | 0.126 | 0.122 | 9.56  |
| 26) T  | 2,2-Dichloropr...   | 0.752          | 0.771 | 0.731 | 0.705 | 0.699 | 0.726 | 0.731 | 3.74  |
| 27) T  | cis-1,2-Dichlo...   | 0.542          | 0.584 | 0.582 | 0.542 | 0.563 | 0.591 | 0.567 | 3.81  |
| 28) T  | Bromochloromet...   | 0.332          | 0.323 | 0.320 | 0.267 | 0.270 | 0.273 | 0.297 | 10.22 |
| 29) T  | Tetrahydrofuran     | 0.066          | 0.070 | 0.067 | 0.064 | 0.070 | 0.078 | 0.069 | 7.25  |
| 30) C  | Chloroform          | 0.886          | 0.912 | 0.901 | 0.835 | 0.842 | 0.874 | 0.875 | 3.54# |
| 31) T  | Cyclohexane         | 0.797          | 0.717 | 0.697 | 0.643 | 0.644 | 0.676 | 0.696 | 8.27  |
| 32) T  | 1,1,1-Trichlor...   | 0.808          | 0.814 | 0.822 | 0.767 | 0.764 | 0.796 | 0.795 | 3.08  |
| 33) S  | 1,2-Dichloroet...   | 0.455          | 0.436 | 0.429 | 0.392 | 0.392 | 0.405 | 0.418 | 6.21  |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |
| 35) S  | Dibromofluorom...   | 0.311          | 0.314 | 0.317 | 0.298 | 0.299 | 0.303 | 0.307 | 2.62  |
| 36) T  | 1,1-Dichloropr...   | 0.395          | 0.413 | 0.413 | 0.397 | 0.405 | 0.417 | 0.407 | 2.20  |
| 37) T  | Ethyl Acetate       | 0.148          | 0.162 | 0.163 | 0.150 | 0.164 | 0.179 | 0.161 | 6.94  |
| 38) T  | Carbon Tetrach...   | 0.483          | 0.501 | 0.504 | 0.481 | 0.487 | 0.503 | 0.493 | 2.14  |
| 39) T  | Methylcyclohexane   | 0.491          | 0.486 | 0.537 | 0.527 | 0.554 | 0.583 | 0.530 | 7.03  |
| 40) TM | Benzene             | 1.253          | 1.302 | 1.322 | 1.259 | 1.281 | 1.312 | 1.288 | 2.22  |
| 41) T  | Methacrylonitrile   | 0.082          | 0.085 | 0.091 | 0.080 | 0.089 | 0.096 | 0.087 | 7.09  |
| 42) TM | 1,2-Dichloroet...   | 0.328          | 0.346 | 0.343 | 0.315 | 0.324 | 0.338 | 0.332 | 3.59  |
| 43) T  | Isopropyl Acetate   | 0.297          | 0.313 | 0.313 | 0.302 | 0.335 | 0.369 | 0.321 | 8.32  |
| 44) TM | Trichloroethene     | 0.380          | 0.381 | 0.386 | 0.367 | 0.372 | 0.376 | 0.377 | 1.81  |
| 45) C  | 1,2-Dichloropr...   | 0.276          | 0.289 | 0.292 | 0.274 | 0.283 | 0.293 | 0.285 | 2.89# |
| 46) T  | Dibromomethane      | 0.172          | 0.182 | 0.183 | 0.173 | 0.181 | 0.188 | 0.180 | 3.43  |
| 47) T  | Bromodichlorom...   | 0.440          | 0.463 | 0.459 | 0.439 | 0.449 | 0.468 | 0.453 | 2.70  |
| 48) T  | Methyl methacr...   | 0.125          | 0.139 | 0.149 | 0.148 | 0.165 | 0.181 | 0.151 | 12.98 |
| 49) T  | 1,4-Dioxane         | 0.002          | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 0.002 | 10.06 |
| 50) S  | Toluene-d8          | 1.132          | 1.170 | 1.177 | 1.129 | 1.122 | 1.135 | 1.144 | 2.03  |
| 51) T  | 4-Methyl-2-Pen...   | 0.141          | 0.159 | 0.161 | 0.159 | 0.180 | 0.196 | 0.166 | 11.55 |
| 52) CM | Toluene             | 0.777          | 0.818 | 0.855 | 0.827 | 0.855 | 0.885 | 0.836 | 4.49# |
| 53) T  | t-1,3-Dichloro...   | 0.357          | 0.380 | 0.390 | 0.385 | 0.415 | 0.438 | 0.394 | 7.24  |
| 54) T  | cis-1,3-Dichlo...   | 0.424          | 0.460 | 0.465 | 0.455 | 0.481 | 0.505 | 0.465 | 5.86  |
| 55) T  | 1,1,2-Trichlor...   | 0.234          | 0.247 | 0.241 | 0.231 | 0.244 | 0.254 | 0.242 | 3.52  |
| 56) T  | Ethyl methacry...   | 0.219          | 0.248 | 0.262 | 0.279 | 0.321 | 0.345 | 0.279 | 16.80 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\  
 Method File : 82Y100725S.M

|     |    |                       |                |       |       |       |       |       |       |       |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 57) | T  | 1,3-Dichloropr...     | 0.361          | 0.381 | 0.383 | 0.374 | 0.392 | 0.409 | 0.383 | 4.26  |
| 58) | T  | 2-Chloroethyl ...     | 0.093          | 0.112 | 0.112 | 0.129 | 0.145 | 0.159 | 0.125 | 19.35 |
| 59) | T  | 2-Hexanone            | 0.108          | 0.117 | 0.110 | 0.112 | 0.126 | 0.138 | 0.119 | 9.86  |
| 60) | T  | Dibromochlorom...     | 0.319          | 0.337 | 0.340 | 0.327 | 0.347 | 0.365 | 0.339 | 4.69  |
| 61) | T  | 1,2-Dibromoethane     | 0.215          | 0.229 | 0.231 | 0.223 | 0.237 | 0.249 | 0.231 | 5.16  |
| 62) | S  | 4-Bromofluorob...     | 0.401          | 0.370 | 0.373 | 0.365 | 0.372 | 0.386 | 0.378 | 3.51  |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) | T  | Tetrachloroethene     | 0.538          | 0.517 | 0.561 | 0.523 | 0.502 | 0.456 | 0.516 | 6.92  |
| 65) | PM | Chlorobenzene         | 1.086          | 1.095 | 1.092 | 1.053 | 1.083 | 1.116 | 1.087 | 1.89  |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.388          | 0.389 | 0.390 | 0.373 | 0.384 | 0.402 | 0.388 | 2.44  |
| 67) | C  | Ethyl Benzene         | 1.606          | 1.711 | 1.753 | 1.777 | 1.824 | 1.891 | 1.760 | 5.54# |
| 68) | T  | m/p-Xylenes           | 0.632          | 0.675 | 0.715 | 0.719 | 0.734 | 0.763 | 0.706 | 6.54  |
| 69) | T  | o-Xylene              | 0.588          | 0.623 | 0.653 | 0.670 | 0.701 | 0.738 | 0.662 | 8.15  |
| 70) | T  | Styrene               | 0.902          | 1.026 | 1.098 | 1.109 | 1.166 | 1.233 | 1.089 | 10.55 |
| 71) | P  | Bromoform             | 0.225          | 0.242 | 0.238 | 0.230 | 0.244 | 0.262 | 0.240 | 5.41  |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 73) | T  | Isopropylbenzene      | 2.967          | 3.153 | 3.353 | 3.317 | 3.425 | 3.555 | 3.295 | 6.30  |
| 74) | T  | N-amyl acetate        | 0.477          | 0.535 | 0.556 | 0.581 | 0.665 | 0.738 | 0.592 | 15.95 |
| 75) | P  | 1,1,2,2-Tetrac...     | 0.530          | 0.548 | 0.502 | 0.499 | 0.543 | 0.611 | 0.539 | 7.60  |
| 76) | T  | 1,2,3-Trichlor...     | 0.406          | 0.399 | 0.484 | 0.433 | 0.455 | 0.469 | 0.441 | 7.76  |
| 77) | T  | Bromobenzene          | 0.849          | 0.880 | 0.885 | 0.845 | 0.877 | 0.921 | 0.876 | 3.14  |
| 78) | T  | n-propylbenzene       | 3.373          | 3.676 | 3.906 | 3.883 | 3.955 | 4.086 | 3.813 | 6.64  |
| 79) | T  | 2-Chlorotoluene       | 2.095          | 2.208 | 2.282 | 2.227 | 2.249 | 2.338 | 2.233 | 3.66  |
| 80) | T  | 1,3,5-Trimethy...     | 2.309          | 2.557 | 2.736 | 2.706 | 2.772 | 2.896 | 2.663 | 7.70  |
| 81) | T  | trans-1,4-Dich...     | 0.171          | 0.175 | 0.176 | 0.169 | 0.185 | 0.203 | 0.180 | 7.04  |
| 82) | T  | 4-Chlorotoluene       | 2.173          | 2.266 | 2.362 | 2.276 | 2.316 | 2.404 | 2.300 | 3.52  |
| 83) | T  | tert-Butylbenzene     | 2.199          | 2.363 | 2.465 | 2.522 | 2.533 | 2.668 | 2.458 | 6.55  |
| 84) | T  | 1,2,4-Trimethy...     | 2.301          | 2.552 | 2.701 | 2.706 | 2.782 | 2.903 | 2.657 | 7.86  |
| 85) | T  | sec-Butylbenzene      | 3.175          | 3.388 | 3.571 | 3.583 | 3.664 | 3.778 | 3.527 | 6.08  |
| 86) | T  | p-Isopropyltol...     | 2.575          | 2.804 | 3.032 | 3.087 | 3.183 | 3.334 | 3.003 | 9.09  |
| 87) | T  | 1,3-Dichlorobe...     | 1.667          | 1.698 | 1.718 | 1.657 | 1.701 | 1.794 | 1.706 | 2.85  |
| 88) | T  | 1,4-Dichlorobe...     | 1.703          | 1.703 | 1.694 | 1.624 | 1.653 | 1.732 | 1.685 | 2.33  |
| 89) | T  | n-Butylbenzene        | 2.279          | 2.428 | 2.626 | 2.682 | 2.778 | 2.904 | 2.616 | 8.76  |
| 90) | T  | Hexachloroethane      | 0.667          | 0.631 | 0.647 | 0.625 | 0.643 | 0.662 | 0.646 | 2.54  |
| 91) | T  | 1,2-Dichlorobe...     | 1.485          | 1.498 | 1.511 | 1.446 | 1.490 | 1.543 | 1.496 | 2.13  |
| 92) | T  | 1,2-Dibromo-3-...     | 0.087          | 0.093 | 0.083 | 0.083 | 0.088 | 0.096 | 0.088 | 6.18  |
| 93) | T  | 1,2,4-Trichlor...     | 0.846          | 0.867 | 0.901 | 0.918 | 1.007 | 1.054 | 0.932 | 8.75  |
| 94) | T  | Hexachlorobuta...     | 0.590          | 0.571 | 0.572 | 0.577 | 0.587 | 0.590 | 0.581 | 1.52  |
| 95) | T  | Naphthalene           | 1.206          | 1.281 | 1.346 | 1.466 | 1.722 | 1.887 | 1.485 | 17.98 |
| 96) | T  | 1,2,3-Trichlor...     | 0.719          | 0.753 | 0.795 | 0.793 | 0.866 | 0.920 | 0.808 | 9.14  |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023384.D  
 Acq On : 07 Oct 2025 09:17  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 585717     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.615          | 114  | 882488     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 753398     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 378104     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 26670      | 5.258    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 10.520%# |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 27455      | 5.126    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 10.260%# |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 99905      | 4.946    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 9.900%#  |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 35355      | 5.548    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 11.100%# |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 23245      | 5.038    | ug/l   | 92       |
| 3) Chloromethane             | 2.074          | 50   | 30346      | 4.627    | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.202          | 62   | 38657      | 4.668    | ug/l   | 95       |
| 5) Bromomethane              | 2.598          | 94   | 35214      | 5.184    | ug/l   | 94       |
| 6) Chloroethane              | 2.732          | 64   | 25848      | 4.597    | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.055          | 101  | 51797      | 4.869    | ug/l   | 98       |
| 8) Diethyl Ether             | 3.452          | 74   | 14079      | 5.060    | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 28368      | 4.989    | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 23692      | 3.606    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.854          | 59   | 9774       | 32.746   | ug/l # | 80       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 26290      | 4.806    | ug/l   | 94       |
| 13) Acrolein                 | 3.653          | 56   | 13176      | 26.054   | ug/l   | 100      |
| 14) Allyl chloride           | 4.385          | 41   | 31614      | 4.616    | ug/l   | 98       |
| 15) Acrylonitrile            | 5.055          | 53   | 25891      | 23.754   | ug/l   | 99       |
| 16) Acetone                  | 3.866          | 43   | 37573      | 32.940   | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.104          | 76   | 75645      | 4.432    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.391          | 43   | 14279      | 4.926    | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 58919      | 4.600    | ug/l   | 95       |
| 20) Methylene Chloride       | 4.616          | 84   | 36598      | 5.917    | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 28923      | 4.754    | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.018          | 45   | 64833      | 4.269    | ug/l   | 94       |
| 23) Vinyl Acetate            | 5.964          | 43   | 173851     | 20.824   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.909          | 63   | 46850      | 4.679    | ug/l   | 100      |
| 25) 2-Butanone               | 6.890          | 43   | 38990      | 27.656   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 44062      | 4.953    | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.884          | 96   | 31743      | 4.600    | ug/l   | 98       |
| 28) Bromochloromethane       | 7.244          | 49   | 19445      | 5.006    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 19296      | 23.059   | ug/l   | 98       |
| 30) Chloroform               | 7.421          | 83   | 51887      | 4.806    | ug/l   | 97       |
| 31) Cyclohexane              | 7.707          | 56   | 46675      | 5.279    | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 47305      | 4.881    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 34888      | 4.617    | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.982          | 43   | 13082      | 4.379    | ug/l # | 93       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 42654      | 4.859    | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.109          | 83   | 43329      | 4.479    | ug/l   | 98       |
| 40) Benzene                  | 8.079          | 78   | 110551     | 4.693    | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023384.D  
 Acq On : 07 Oct 2025 09:17  
 Operator : SY/MD  
 Sample : VSTDICC005  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 7226m    | 4.658  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 28940    | 4.828  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.201  | 43   | 26166    | 4.503  | ug/l   | 99       |
| 44) Trichloroethene           | 8.859  | 130  | 33564    | 5.077  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 24358    | 4.595  | ug/l   | 92       |
| 46) Dibromomethane            | 9.231  | 93   | 15179    | 4.682  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.420  | 83   | 38813    | 4.756  | ug/l   | 93       |
| 48) Methyl methacrylate       | 9.219  | 41   | 11038    | 4.071  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.219  | 88   | 3255     | 96.953 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 62279    | 20.925 | ug/l   | 98       |
| 52) Toluene                   | 10.170 | 92   | 68550    | 4.585  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 31477    | 4.491  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 37392    | 4.463  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 20641    | 4.786  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 19324    | 3.891  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 31831    | 4.560  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 41054m   | 18.894 | ug/l   |          |
| 59) 2-Hexanone                | 10.761 | 43   | 47778    | 23.185 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.908 | 129  | 28135    | 4.783  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.017 | 107  | 18957    | 4.673  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.646 | 164  | 40570    | 5.383  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 81802    | 4.997  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 29222    | 5.075  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.517 | 91   | 121005   | 4.529  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 95176    | 8.887  | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 44280    | 4.466  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 67960    | 4.152  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 16988    | 4.929  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 112194   | 4.455  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 18041    | 3.833  | ug/l # | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 20052    | 4.773  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 15359m   | 4.118  | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 32106    | 4.967  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.596 | 91   | 127521   | 4.305  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 79199    | 4.631  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 87297    | 4.264  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 6474     | 4.680  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 82155    | 4.600  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 83151    | 4.457  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 86988    | 4.294  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 120061   | 4.443  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 97377    | 4.264  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 63027    | 4.936  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 64389    | 5.085  | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.615 | 91   | 86179    | 4.274  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 25204    | 5.084  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 56167    | 5.041  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 3305     | 4.964  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 32000    | 4.875  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 22316    | 5.456  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 45598    | 4.360  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 27176    | 4.772  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023384.D  
Acq On : 07 Oct 2025 09:17  
Operator : SY/MD  
Sample : VSTDICC005  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

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

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

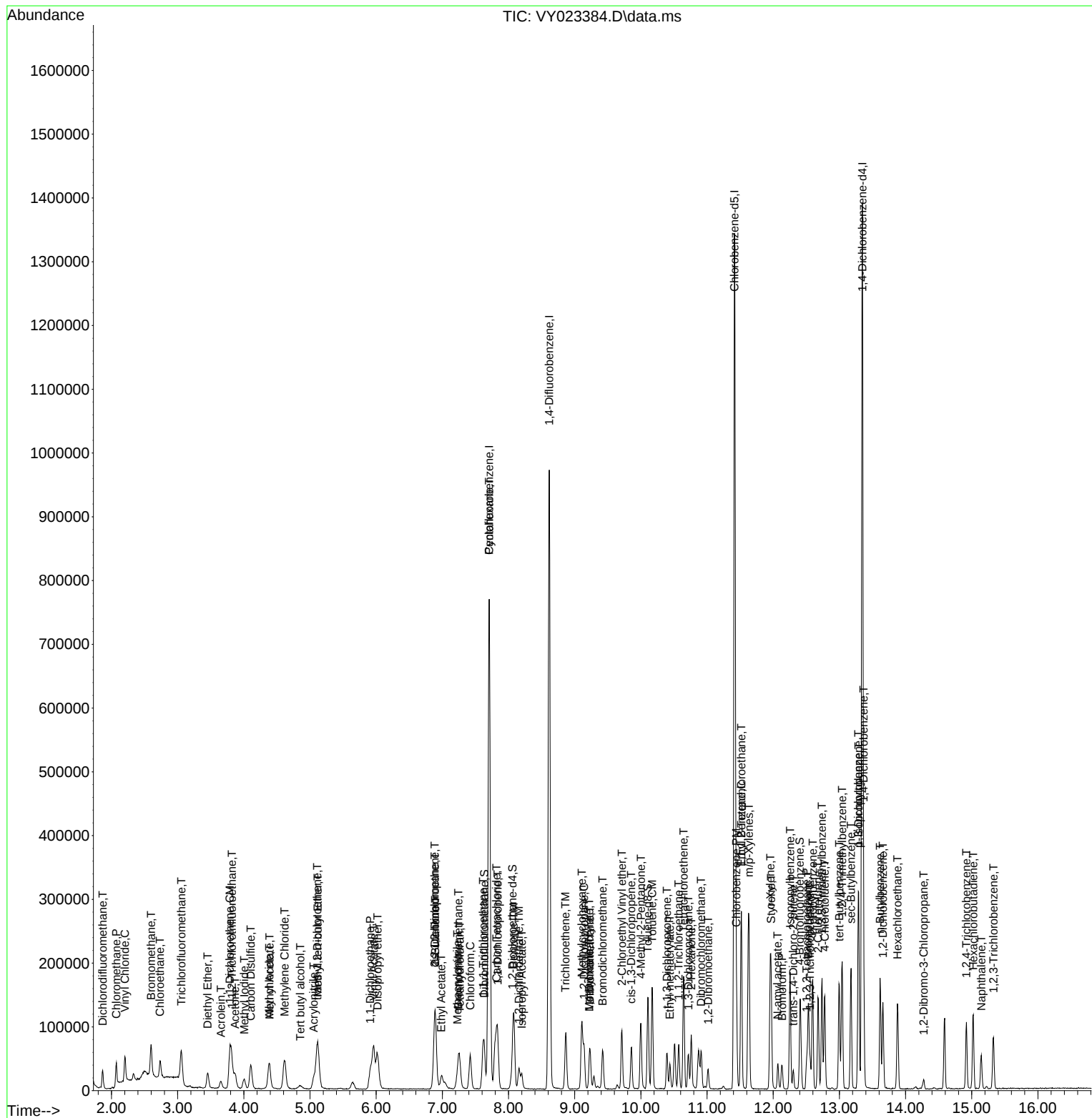
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023384.D  
Acq On : 07 Oct 2025 09:17  
Operator : SY/MD  
Sample : VSTDICC005  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:39:47 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023385.D  
 Acq On : 07 Oct 2025 10:02  
 Operator : SY/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 559828     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.615          | 114  | 847077     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 736152     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 374998     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 48826      | 10.071   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 20.140%# |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 53279      | 10.364   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 20.720%# |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 198242     | 10.225   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 20.460%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 62601      | 10.235   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 20.460%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 44666      | 10.129   | ug/l   | 97       |
| 3) Chloromethane             | 2.068          | 50   | 62413      | 9.957    | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.202          | 62   | 76587      | 9.676    | ug/l   | 99       |
| 5) Bromomethane              | 2.592          | 94   | 66689      | 10.271   | ug/l   | 90       |
| 6) Chloroethane              | 2.732          | 64   | 51757      | 9.632    | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.055          | 101  | 102972     | 10.128   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.458          | 74   | 26719      | 10.047   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 54405      | 10.011   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 56313      | 8.967    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.854          | 59   | 20540      | 71.998   | ug/l # | 89       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 53191      | 10.173   | ug/l   | 98       |
| 13) Acrolein                 | 3.653          | 56   | 24014      | 49.681   | ug/l   | 94       |
| 14) Allyl chloride           | 4.385          | 41   | 62154      | 9.494    | ug/l   | 99       |
| 15) Acrylonitrile            | 5.061          | 53   | 51937      | 49.854   | ug/l   | 99       |
| 16) Acetone                  | 3.872          | 43   | 65410      | 59.997   | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.104          | 76   | 153055     | 9.382    | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 29725      | 10.728   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 120347     | 9.830    | ug/l   | 100      |
| 20) Methylene Chloride       | 4.616          | 84   | 71034      | 12.016   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 56465      | 9.710    | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.024          | 45   | 138589     | 9.547    | ug/l   | 98       |
| 23) Vinyl Acetate            | 5.963          | 43   | 361478     | 45.300   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 93512      | 9.772    | ug/l   | 98       |
| 25) 2-Butanone               | 6.890          | 43   | 75171      | 55.784   | ug/l   | 92       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 86325      | 10.153   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 65335      | 9.905    | ug/l   | 99       |
| 28) Bromochloromethane       | 7.244          | 49   | 36132      | 9.733    | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 38990      | 48.749   | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 102058     | 9.890    | ug/l   | 99       |
| 31) Cyclohexane              | 7.701          | 56   | 80245      | 9.495    | ug/l # | 88       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 91186      | 9.844    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 69913      | 9.639    | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.988          | 43   | 27388      | 9.551    | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 84799      | 10.065   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 82275      | 8.860    | ug/l   | 95       |
| 40) Benzene                  | 8.079          | 78   | 220629     | 9.758    | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023385.D  
 Acq On : 07 Oct 2025 10:02  
 Operator : SY/MD  
 Sample : VSTDICC010  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC010

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 14344    | 9.632   | ug/l # | 92       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 58541    | 10.174  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 53042    | 9.510   | ug/l   | 98       |
| 44) Trichloroethene           | 8.865  | 130  | 64537    | 10.171  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 49009    | 9.632   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 30780    | 9.890   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.426  | 83   | 78392    | 10.007  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.225  | 41   | 23484    | 9.023   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 6822     | 211.693 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 134746   | 47.165  | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 138662   | 9.661   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 64315    | 9.559   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 77905    | 9.687   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 41881    | 10.118  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 42096    | 8.830   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 64537    | 9.633   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 94970m   | 45.535  | ug/l   |          |
| 59) 2-Hexanone                | 10.761 | 43   | 99175    | 50.138  | ug/l   | 96       |
| 60) Dibromochloromethane      | 10.908 | 129  | 57151    | 10.123  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 38861    | 9.979   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 76110    | 10.335  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.438 | 112  | 161155   | 10.074  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 57233    | 10.173  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.517 | 91   | 251958   | 9.651   | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.627 | 106  | 198866   | 19.004  | ug/l   | 99       |
| 69) o-Xylene                  | 11.950 | 106  | 91710    | 9.467   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 151094   | 9.446   | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 35681    | 10.595  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.249 | 105  | 236489   | 9.467   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.066 | 43   | 40098    | 8.590   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 41130    | 9.871   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 29944m   | 8.095   | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 66002    | 10.295  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.590 | 91   | 275671   | 9.384   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 165582   | 9.762   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 191799   | 9.445   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 13110    | 9.556   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 169968   | 9.595   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 177250   | 9.579   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 191423   | 9.528   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.170 | 105  | 254134   | 9.483   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.285 | 119  | 210320   | 9.287   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 127377   | 10.058  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 127757   | 10.172  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.615 | 91   | 182116   | 9.107   | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 47355    | 9.630   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 112325   | 10.165  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 7005     | 10.608  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 65050    | 9.992   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 42813    | 10.554  | ug/l   | 97       |
| 95) Naphthalene               | 15.139 | 128  | 96092    | 9.264   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 56499    | 10.004  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023385.D  
Acq On : 07 Oct 2025 10:02  
Operator : SY/MD  
Sample : VSTDICC010  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC010

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:40:53 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

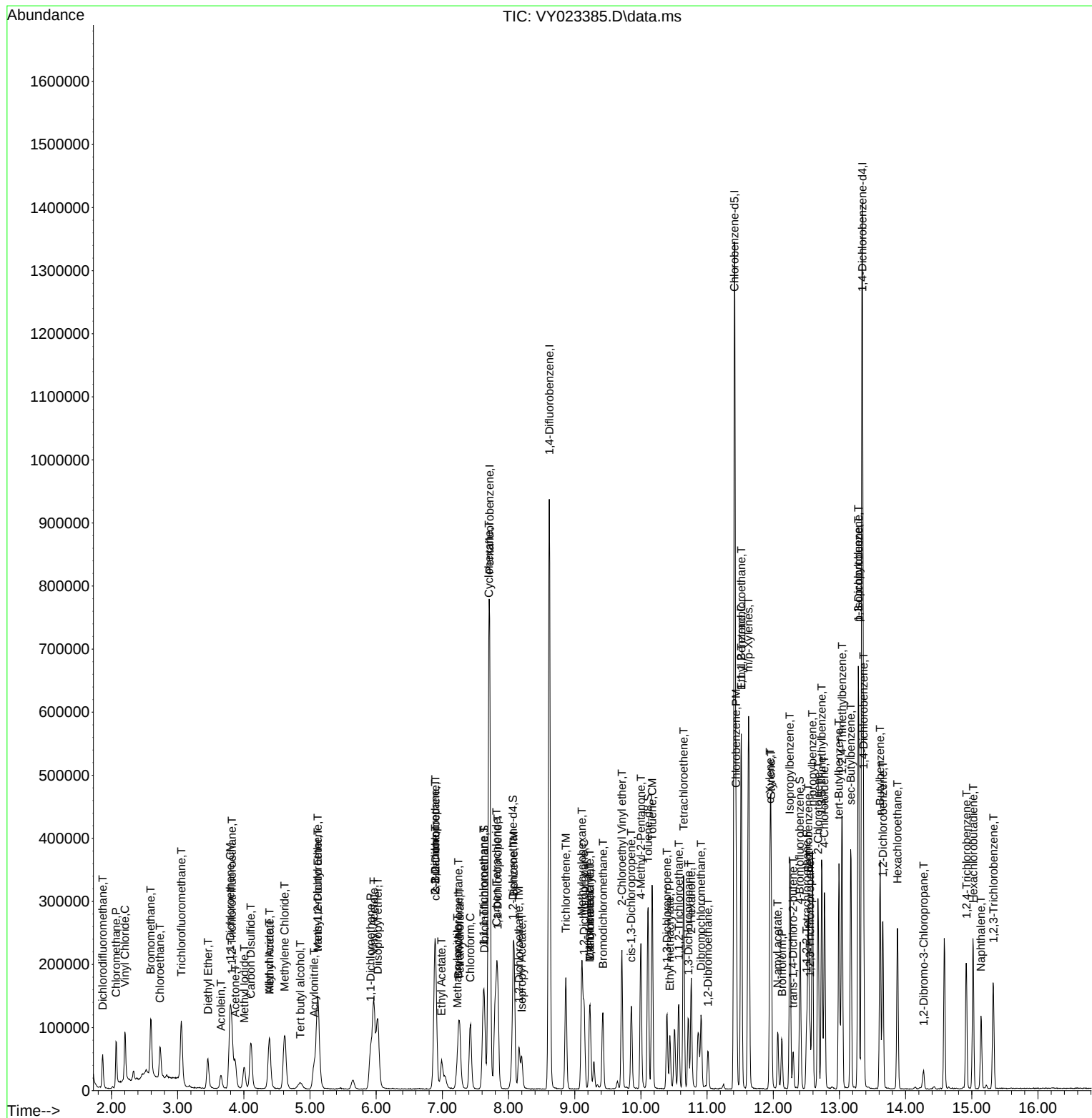
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC010

## Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023386.D  
 Acq On : 07 Oct 2025 11:24  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 574363   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.615  | 114  | 851961   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 746872   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 382604   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 98481    | 19.798   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 39.600%# |
| 35) Dibromofluoromethane  | 7.634  | 113   | 108034   | 20.895   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 41.800%# |
| 50) Toluene-d8            | 10.103 | 98    | 401067   | 20.568   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | =    | 41.140%# |
| 62) 4-Bromofluorobenzene  | 12.401 | 95    | 127216   | 20.680   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | =    | 41.360%  |

## Target Compounds

|                              |       |     |        |         |      | Qvalue |
|------------------------------|-------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 91924  | 20.318  | ug/l | 98     |
| 3) Chloromethane             | 2.074 | 50  | 117585 | 18.284  | ug/l | 100    |
| 4) Vinyl Chloride            | 2.202 | 62  | 151460 | 18.652  | ug/l | 99     |
| 5) Bromomethane              | 2.586 | 94  | 125948 | 18.907  | ug/l | 97     |
| 6) Chloroethane              | 2.732 | 64  | 103973 | 18.859  | ug/l | 94     |
| 7) Trichlorofluoromethane    | 3.049 | 101 | 217452 | 20.846  | ug/l | 99     |
| 8) Diethyl Ether             | 3.452 | 74  | 54124  | 19.837  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 3.811 | 101 | 109936 | 19.718  | ug/l | 99     |
| 10) Methyl Iodide            | 4.007 | 142 | 119083 | 18.482  | ug/l | 99     |
| 11) Tert butyl alcohol       | 4.854 | 59  | 34346  | 117.345 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 104778 | 19.531  | ug/l | 98     |
| 13) Acrolein                 | 3.653 | 56  | 48115  | 97.023  | ug/l | 98     |
| 14) Allyl chloride           | 4.384 | 41  | 125424 | 18.674  | ug/l | 98     |
| 15) Acrylonitrile            | 5.055 | 53  | 99018  | 92.641  | ug/l | 100    |
| 16) Acetone                  | 3.866 | 43  | 108209 | 96.742  | ug/l | 96     |
| 17) Carbon Disulfide         | 4.104 | 76  | 303284 | 18.121  | ug/l | 99     |
| 18) Methyl Acetate           | 4.384 | 43  | 59704  | 21.002  | ug/l | 97     |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 247030 | 19.667  | ug/l | 97     |
| 20) Methylene Chloride       | 4.616 | 84  | 132229 | 21.801  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene | 5.110 | 96  | 116410 | 19.512  | ug/l | 95     |
| 22) Diisopropyl ether        | 6.018 | 45  | 288429 | 19.366  | ug/l | 98     |
| 23) Vinyl Acetate            | 5.957 | 43  | 748048 | 91.373  | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 190012 | 19.354  | ug/l | 99     |
| 25) 2-Butanone               | 6.896 | 43  | 132159 | 95.593  | ug/l | 93     |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 167903 | 19.247  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 133634 | 19.747  | ug/l | 99     |
| 28) Bromochloromethane       | 7.244 | 49  | 73407  | 19.273  | ug/l | 98     |
| 29) Tetrahydrofuran          | 7.262 | 42  | 76502  | 93.229  | ug/l | 99     |
| 30) Chloroform               | 7.421 | 83  | 207096 | 19.562  | ug/l | 100    |
| 31) Cyclohexane              | 7.701 | 56  | 160159 | 18.472  | ug/l | 97     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 188861 | 19.873  | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 140912 | 19.317  | ug/l | 100    |
| 37) Ethyl Acetate            | 6.982 | 43  | 55705  | 19.315  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 171925 | 20.289  | ug/l | 99     |
| 39) Methylcyclohexane        | 9.109 | 83  | 182831 | 19.576  | ug/l | 99     |
| 40) Benzene                  | 8.079 | 78  | 450471 | 19.809  | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023386.D  
 Acq On : 07 Oct 2025 11:24  
 Operator : SY/MD  
 Sample : VSTDICC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.225  | 41   | 31129m   | 20.783  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 116941   | 20.206  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 106595   | 19.002  | ug/l # | 87       |
| 44) Trichloroethene           | 8.865  | 130  | 131459   | 20.598  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 99363    | 19.417  | ug/l   | 98       |
| 46) Dibromomethane            | 9.231  | 93   | 62277    | 19.896  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 156426   | 19.854  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 50661    | 19.352  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 13636    | 420.712 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 274059   | 95.378  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 291453   | 20.191  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 132848   | 19.632  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 158580   | 19.606  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 82183    | 19.740  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 89244    | 18.613  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 130650   | 19.389  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 190850m  | 90.982  | ug/l   |          |
| 59) 2-Hexanone                | 10.761 | 43   | 187387   | 94.190  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 115907   | 20.412  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 78579    | 20.062  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 167648   | 22.438  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.438 | 112  | 326360   | 20.109  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 116412   | 20.396  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 523606   | 19.768  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.627 | 106  | 426913   | 40.211  | ug/l   | 100      |
| 69) o-Xylene                  | 11.956 | 106  | 195021   | 19.843  | ug/l   | 96       |
| 70) Styrene                   | 11.968 | 104  | 327934   | 20.208  | ug/l   | 99       |
| 71) Bromoform                 | 12.133 | 173  | 71119    | 20.814  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 513183   | 20.136  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 85063    | 17.860  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 76821    | 18.069  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 74100m   | 19.634  | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 135402   | 20.700  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.596 | 91   | 597829   | 19.945  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 349203   | 20.179  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 418684   | 20.208  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 26922    | 19.234  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 361458   | 20.000  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 377277   | 19.983  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.041 | 105  | 413292   | 20.162  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.176 | 105  | 546582   | 19.990  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 464005   | 20.081  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 262901   | 20.347  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 259217   | 20.230  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 401893   | 19.697  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 98983    | 19.730  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 231199   | 20.507  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 12668    | 18.802  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 137963   | 20.770  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 87575    | 21.159  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 206017   | 19.467  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 121656   | 21.113  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023386.D  
Acq On : 07 Oct 2025 11:24  
Operator : SY/MD  
Sample : VSTDICC020  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:41:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 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\_Y\Data\VY100725\  
 Data File : VY023386.D  
 Acq On : 07 Oct 2025 11:24  
 Operator : SY/MD  
 Sample : VSTDIC020  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDIC020

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025

Supervised By :Mahesh Dadoda 10/10/2025

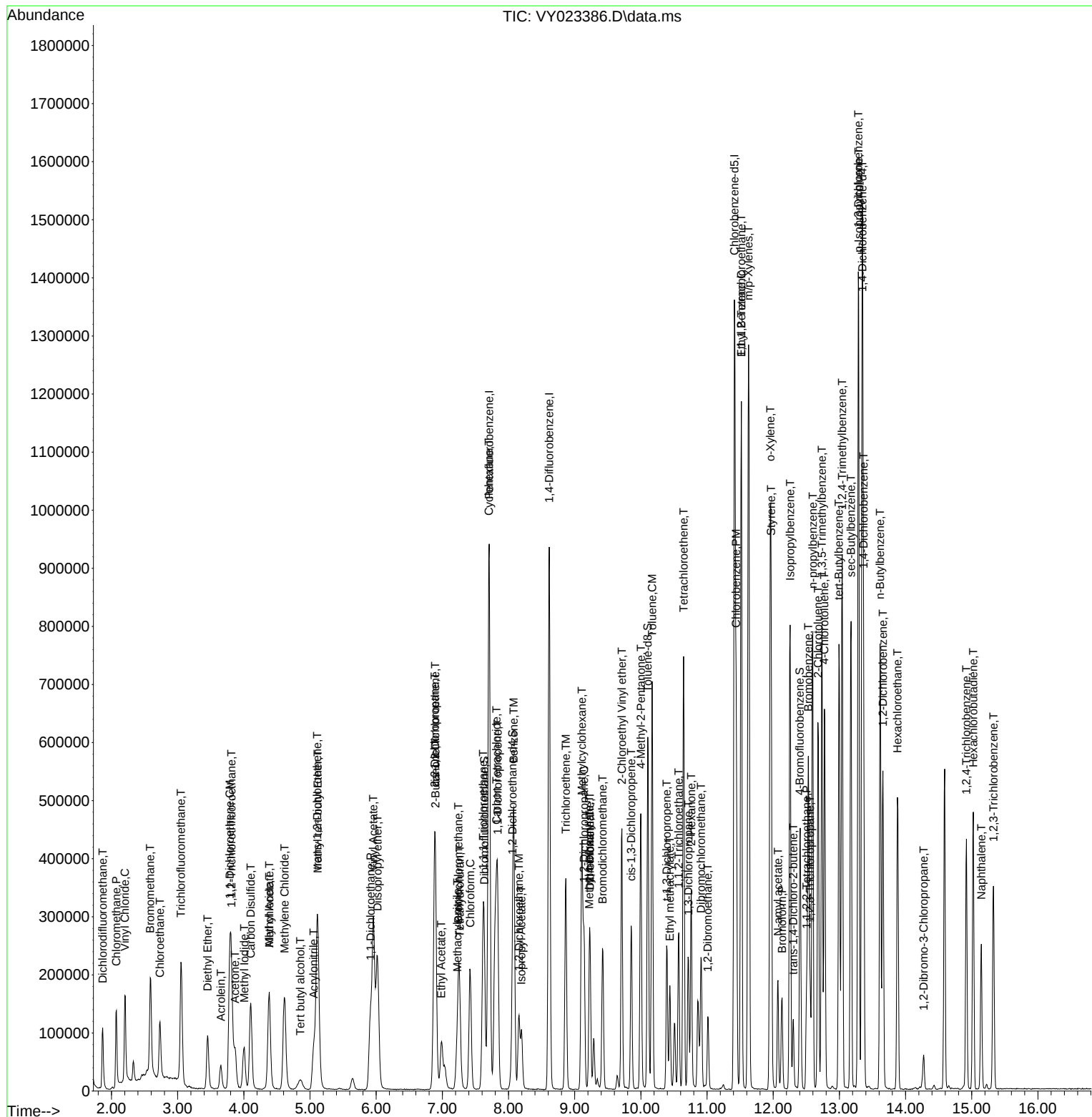
Quant Time: Oct 08 04:41:57 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 04:39:16 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023387.D  
 Acq On : 07 Oct 2025 11:47  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 590340     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 858767     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 749869     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.347         | 152  | 392169     | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 231295     | 45.240   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 90.480%  |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 256331     | 49.185   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 98.360%  |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 969649     | 49.334   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 98.660%  |        |          |
| 62) 4-Bromofluorobenzene     | 12.402         | 95   | 313426     | 50.546   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 101.100% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 189467     | 40.745   | ug/l   | 100      |
| 3) Chloromethane             | 2.068          | 50   | 265142     | 40.113   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.202          | 62   | 352993     | 42.293   | ug/l   | 100      |
| 5) Bromomethane              | 2.592          | 94   | 277005     | 40.458   | ug/l   | 100      |
| 6) Chloroethane              | 2.733          | 64   | 244551     | 43.157   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.056          | 101  | 496981     | 46.354   | ug/l   | 100      |
| 8) Diethyl Ether             | 3.452          | 74   | 126634     | 45.158   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 258100     | 45.039   | ug/l   | 100      |
| 10) Methyl Iodide            | 4.001          | 142  | 317731     | 47.979   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.860          | 59   | 73642      | 244.793  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 252190     | 45.738   | ug/l   | 100      |
| 13) Acrolein                 | 3.647          | 56   | 123642     | 242.575  | ug/l   | 100      |
| 14) Allyl chloride           | 4.379          | 41   | 310569     | 44.989   | ug/l   | 100      |
| 15) Acrylonitrile            | 5.055          | 53   | 240668     | 219.075  | ug/l   | 100      |
| 16) Acetone                  | 3.866          | 43   | 247122     | 214.955  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.104          | 76   | 722982     | 42.028   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.385          | 43   | 144816     | 49.563   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 601934     | 46.626   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.616          | 84   | 270612     | 43.409   | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 277516     | 45.256   | ug/l   | 100      |
| 22) Diisopropyl ether        | 6.019          | 45   | 686481     | 44.844   | ug/l   | 100      |
| 23) Vinyl Acetate            | 5.958          | 43   | 1843784    | 219.119  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 448267     | 44.423   | ug/l   | 100      |
| 25) 2-Butanone               | 6.890          | 43   | 310237     | 218.327  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 416391     | 46.440   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 320028     | 46.010   | ug/l   | 100      |
| 28) Bromochloromethane       | 7.244          | 49   | 157414     | 40.211   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.262          | 42   | 187787     | 222.653  | ug/l   | 100      |
| 30) Chloroform               | 7.421          | 83   | 493098     | 45.316   | ug/l   | 100      |
| 31) Cyclohexane              | 7.701          | 56   | 379644     | 42.602   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 452713     | 46.347   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 341353     | 46.424   | ug/l   | 100      |
| 37) Ethyl Acetate            | 6.982          | 43   | 129053     | 44.394   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 413187     | 48.374   | ug/l   | 100      |
| 39) Methylcyclohexane        | 9.109          | 83   | 452959     | 48.113   | ug/l   | 100      |
| 40) Benzene                  | 8.079          | 78   | 1080883    | 47.154   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023387.D  
 Acq On : 07 Oct 2025 11:47  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 68542    | 45.399   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 8.152  | 62   | 270387   | 46.350   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 259041   | 45.811   | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 315104   | 48.982   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 234978   | 45.555   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 148914   | 47.198   | ug/l   | 100      |
| 47) Bromodichloromethane      | 9.420  | 83   | 377084   | 47.482   | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.219  | 41   | 126732   | 48.027   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.225  | 88   | 34053    | 1042.312 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 682879   | 235.772  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 710404   | 48.824   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 330392   | 48.438   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 390619   | 47.910   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 198478   | 47.296   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 10.438 | 69   | 239407   | 49.535   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 321276   | 47.301   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 553816   | 261.921  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.756 | 43   | 479606   | 239.162  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.908 | 129  | 281047   | 49.103   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 191356   | 48.468   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 392056   | 52.264   | ug/l   | 100      |
| 65) Chlorobenzene             | 11.438 | 112  | 789650   | 48.460   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 279583   | 48.788   | ug/l   | 100      |
| 67) Ethyl Benzene             | 11.518 | 91   | 1332350  | 50.099   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 1077583  | 101.092  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 502722   | 50.946   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 831908   | 51.059   | ug/l   | 100      |
| 71) Bromoform                 | 12.127 | 173  | 172315   | 50.229   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.249 | 105  | 1301009  | 49.803   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 227684   | 46.640   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 195565   | 44.878   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 169814m  | 43.898   | ug/l   | 100      |
| 77) Bromobenzene              | 12.530 | 156  | 331331   | 49.419   | ug/l   | 100      |
| 78) n-propylbenzene           | 12.591 | 91   | 1522965  | 49.572   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 873335   | 49.235   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 1061112  | 49.966   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 66299    | 46.212   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 892764   | 48.192   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 988936   | 51.104   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1061159  | 50.505   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.170 | 105  | 1405003  | 50.133   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.286 | 119  | 1210644  | 51.115   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 649899   | 49.072   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 636694   | 48.476   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 1051949  | 50.299   | ug/l   | 100      |
| 90) Hexachloroethane          | 13.877 | 117  | 245108   | 47.664   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 567114   | 49.075   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 32585    | 47.184   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 359833   | 52.852   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 226316   | 53.346   | ug/l   | 100      |
| 95) Naphthalene               | 15.139 | 128  | 575044   | 53.012   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 310831   | 52.628   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023387.D  
Acq On : 07 Oct 2025 11:47  
Operator : SY/MD  
Sample : VSTDICCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:43:02 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

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

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

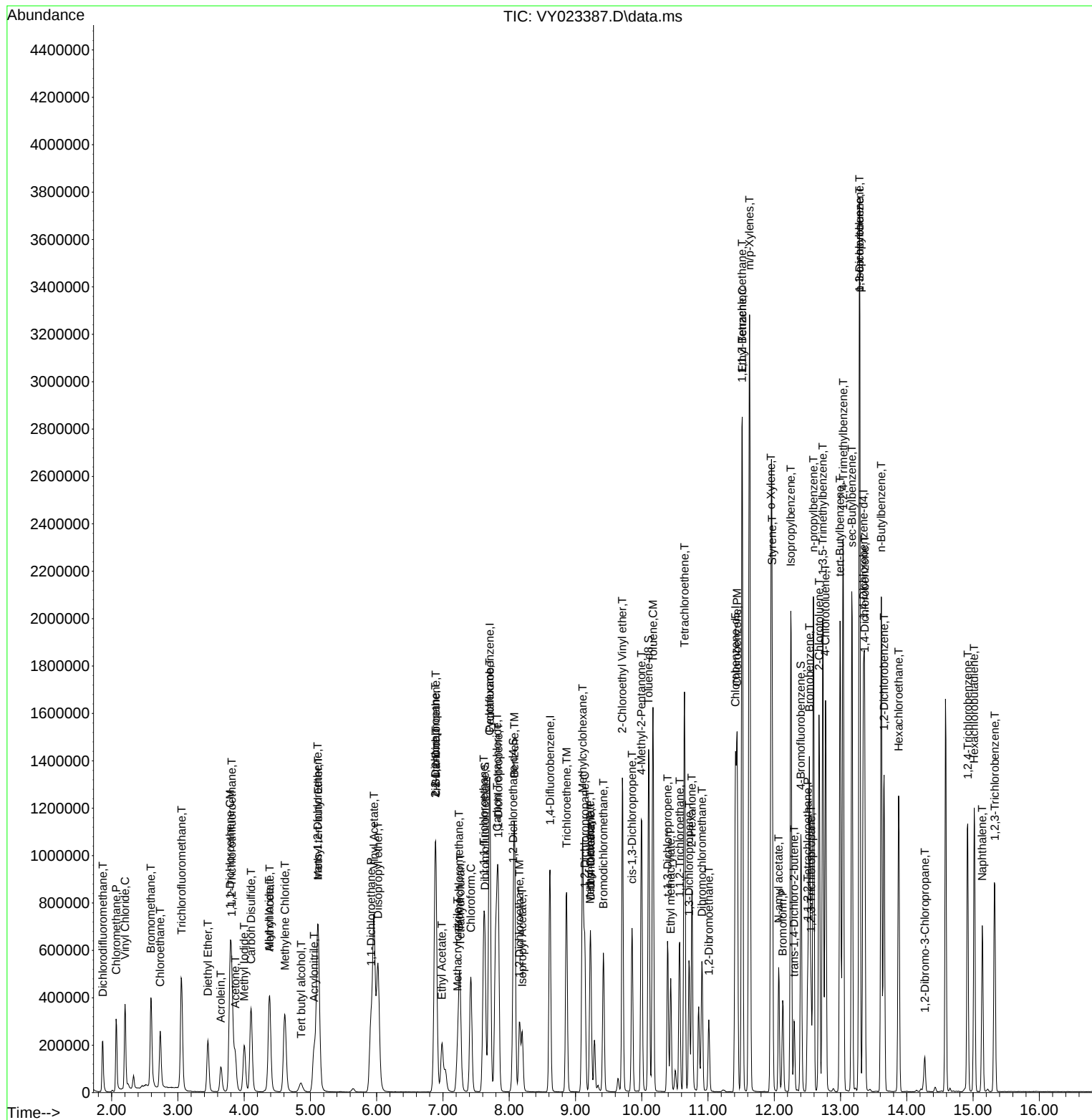
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023387.D  
 Acq On : 07 Oct 2025 11:47  
 Operator : SY/MD  
 Sample : VSTDICCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Oct 08 04:43:02 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023388.D  
 Acq On : 07 Oct 2025 12:09  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 7.707          | 168  | 595770               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 855682               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 764361               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.340         | 152  | 400285               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                      |         |        |          |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.061          | 65   | 467005               | 90.510  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 181.020%# |         |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 511478               | 98.497  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 197.000%# |         |        |          |
| 50) Toluene-d8               | 10.103         | 98   | 1919872              | 98.031  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 196.060%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 636435               | 103.007 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 206.020%# |         |        |          |
|                              |                |      |                      |         |        |          |
| Target Compounds             |                |      |                      |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 368985               | 78.627  | ug/l   | 96       |
| 3) Chloromethane             | 2.068          | 50   | 521606               | 78.195  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.202          | 62   | 711235               | 84.438  | ug/l   | 100      |
| 5) Bromomethane              | 2.586          | 94   | 574957               | 83.210  | ug/l   | 99       |
| 6) Chloroethane              | 2.732          | 64   | 491625               | 85.968  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.049          | 101  | 1012851              | 93.610  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.452          | 74   | 266779               | 94.266  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.812          | 101  | 511482               | 88.441  | ug/l   | 100      |
| 10) Methyl Iodide            | 4.001          | 142  | 651575               | 97.495  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.866          | 59   | 172718               | 568.898 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.787          | 96   | 508059               | 91.303  | ug/l   | 96       |
| 13) Acrolein                 | 3.647          | 56   | 262636               | 510.573 | ug/l   | 99       |
| 14) Allyl chloride           | 4.378          | 41   | 637073               | 91.446  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.055          | 53   | 522511               | 471.296 | ug/l   | 100      |
| 16) Acetone                  | 3.866          | 43   | 504700               | 435.004 | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.104          | 76   | 1442005              | 83.061  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.385          | 43   | 316911               | 107.474 | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 1300206              | 99.797  | ug/l   | 97       |
| 20) Methylene Chloride       | 4.610          | 84   | 552018               | 87.742  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.110          | 96   | 569334               | 91.999  | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.018          | 45   | 1423347              | 92.133  | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.957          | 43   | 3975052              | 468.098 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.915          | 63   | 911619               | 89.517  | ug/l   | 99       |
| 25) 2-Butanone               | 6.890          | 43   | 685693               | 478.154 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 6.884          | 77   | 833452               | 92.108  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 670773               | 95.557  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.244          | 49   | 321657               | 81.418  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 415867               | 488.587 | ug/l   | 99       |
| 30) Chloroform               | 7.421          | 83   | 1003722              | 91.401  | ug/l   | 100      |
| 31) Cyclohexane              | 7.701          | 56   | 767083               | 85.293  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.616          | 97   | 910837               | 92.399  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 692477               | 94.516  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.982          | 43   | 280560               | 96.859  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 7.817          | 117  | 833170               | 97.894  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.109          | 83   | 947664               | 101.024 | ug/l   | 99       |
| 40) Benzene                  | 8.079          | 78   | 2192645              | 96.000  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023388.D  
 Acq On : 07 Oct 2025 12:09  
 Operator : SY/MD  
 Sample : VSTDICC100  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.219  | 41   | 152239   | 101.200  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 554810   | 95.449   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 573653   | 101.815  | ug/l   | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 636149   | 99.245   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 485084   | 94.381   | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 309964   | 98.596   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 769238   | 97.210   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 282582   | 107.476  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.225  | 88   | 77305    | 2374.722 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 1539324  | 533.386  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 1462927  | 100.905  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 710475   | 104.537  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 822967   | 101.302  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 417623   | 99.875   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 549366   | 114.077  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 670961   | 99.140   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 1240361  | 588.731  | ug/l   | 99       |
| 59) 2-Hexanone                | 10.755 | 43   | 1081568  | 541.284  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 593878   | 104.133  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.011 | 107  | 406293   | 103.280  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 767753   | 100.406  | ug/l   | 99       |
| 65) Chlorobenzene             | 11.438 | 112  | 1655143  | 99.649   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 586878   | 100.470  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 2788252  | 102.856  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.627 | 106  | 2243033  | 206.437  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 1072335  | 106.611  | ug/l   | 99       |
| 70) Styrene                   | 11.969 | 104  | 1782757  | 107.344  | ug/l   | 100      |
| 71) Bromoform                 | 12.127 | 173  | 373208   | 106.727  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.249 | 105  | 2741698  | 102.825  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 532255   | 106.818  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 434720   | 97.735   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 364622m  | 92.345   | ug/l   |          |
| 77) Bromobenzene              | 12.529 | 156  | 701741   | 102.545  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.590 | 91   | 3165894  | 100.958  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 1800124  | 99.426   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 2219080  | 102.374  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 148302   | 101.273  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 1854165  | 98.060   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 2028198  | 102.684  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 2227197  | 103.853  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.170 | 105  | 2932949  | 102.530  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.285 | 119  | 2548220  | 105.408  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 1361716  | 100.735  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 1323618  | 98.734   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 2223744  | 104.174  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 514746   | 98.069   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 1193043  | 101.146  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75   | 70107    | 99.458   | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 806328   | 116.031  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 470072   | 108.557  | ug/l   | 99       |
| 95) Naphthalene               | 15.139 | 128  | 1378291  | 124.485  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.322 | 180  | 693477   | 115.034  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023388.D  
Acq On : 07 Oct 2025 12:09  
Operator : SY/MD  
Sample : VSTDICC100  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:44:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

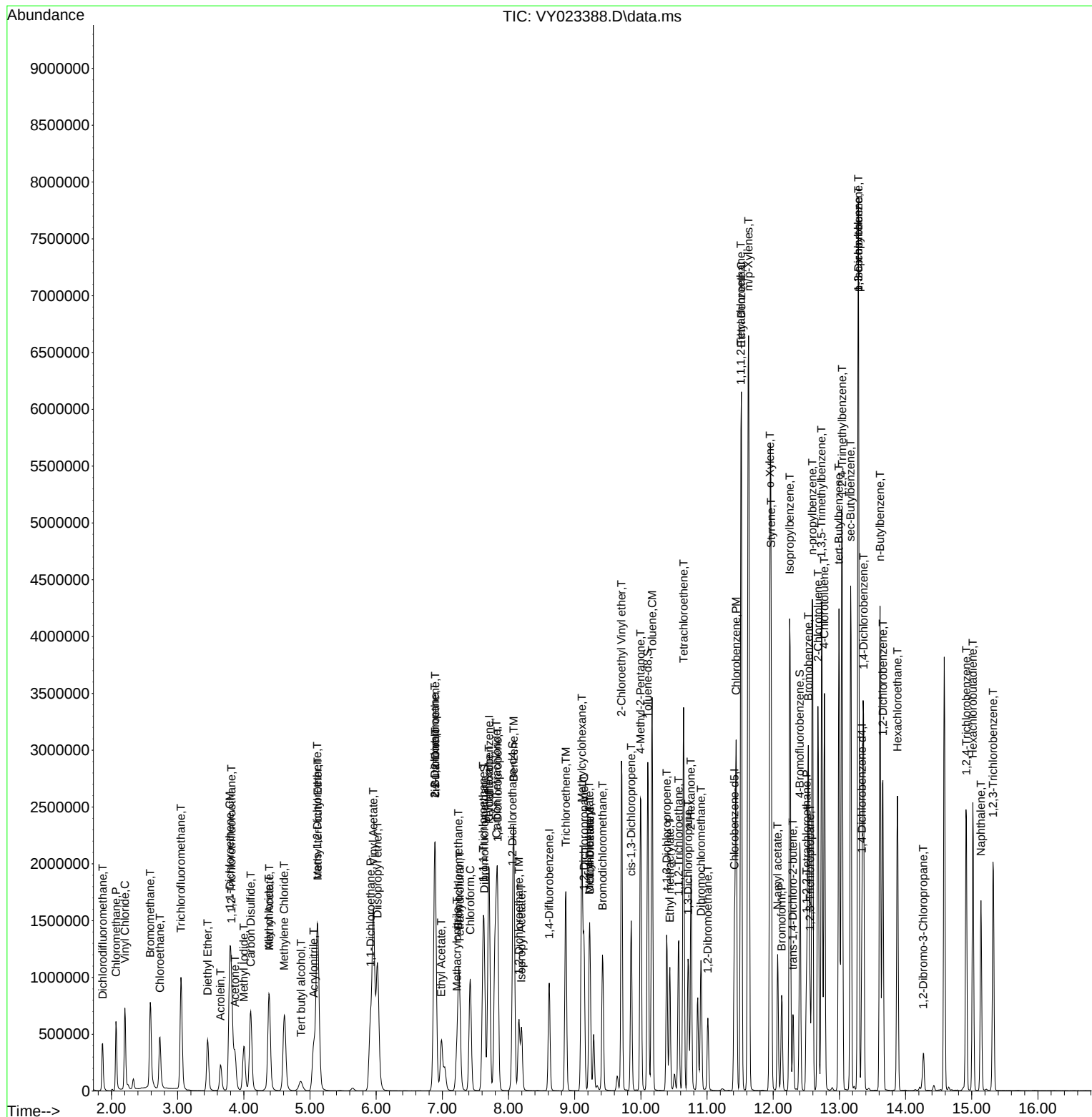
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC100

## Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023389.D  
 Acq On : 07 Oct 2025 12:32  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 588489   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 855488   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 765357   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 402368   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 714730   | 140.236  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | = 280.480%# |      |
| 35) Dibromofluoromethane  | 7.634  | 113   | 778632   | 149.977  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | = 299.960%# |      |
| 50) Toluene-d8            | 10.103 | 98    | 2912319  | 148.741  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | = 297.480%# |      |
| 62) 4-Bromofluorobenzene  | 12.402 | 95    | 990964   | 160.423  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | = 320.840%# |      |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 587619  | 126.766 | ug/l | 97     |
| 3) Chloromethane             | 2.068 | 50  | 825167  | 125.233 | ug/l | 100    |
| 4) Vinyl Chloride            | 2.208 | 62  | 1118134 | 134.387 | ug/l | 100    |
| 5) Bromomethane              | 2.580 | 94  | 915389  | 134.118 | ug/l | 98     |
| 6) Chloroethane              | 2.726 | 64  | 756912  | 133.994 | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.050 | 101 | 1549160 | 144.948 | ug/l | 100    |
| 8) Diethyl Ether             | 3.452 | 74  | 418615  | 149.747 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 786278  | 137.639 | ug/l | 99     |
| 10) Methyl Iodide            | 4.007 | 142 | 992925  | 150.409 | ug/l | 99     |
| 11) Tert butyl alcohol       | 4.866 | 59  | 288878  | 963.279 | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 781235  | 142.133 | ug/l | 97     |
| 13) Acrolein                 | 3.653 | 56  | 423418  | 833.323 | ug/l | 100    |
| 14) Allyl chloride           | 4.385 | 41  | 988378  | 143.628 | ug/l | 99     |
| 15) Acrylonitrile            | 5.055 | 53  | 841857  | 768.735 | ug/l | 99     |
| 16) Acetone                  | 3.866 | 43  | 789668  | 689.040 | ug/l | 99     |
| 17) Carbon Disulfide         | 4.104 | 76  | 2199339 | 128.252 | ug/l | 100    |
| 18) Methyl Acetate           | 4.385 | 43  | 505344  | 173.497 | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 2056533 | 159.802 | ug/l | 97     |
| 20) Methylene Chloride       | 4.616 | 84  | 835005  | 134.365 | ug/l | 98     |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 871380  | 142.549 | ug/l | 98     |
| 22) Diisopropyl ether        | 6.019 | 45  | 2218430 | 145.375 | ug/l | 99     |
| 23) Vinyl Acetate            | 5.958 | 43  | 6377047 | 760.246 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 1398477 | 139.024 | ug/l | 98     |
| 25) 2-Butanone               | 6.890 | 43  | 1116343 | 788.091 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 1281633 | 143.391 | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 1043574 | 150.505 | ug/l | 98     |
| 28) Bromochloromethane       | 7.244 | 49  | 482210  | 123.567 | ug/l | 99     |
| 29) Tetrahydrofuran          | 7.262 | 42  | 687719  | 817.972 | ug/l | 100    |
| 30) Chloroform               | 7.421 | 83  | 1542715 | 142.221 | ug/l | 99     |
| 31) Cyclohexane              | 7.701 | 56  | 1192778 | 134.268 | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 1405131 | 144.305 | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 1069665 | 146.031 | ug/l | 100    |
| 37) Ethyl Acetate            | 6.982 | 43  | 460027  | 158.853 | ug/l | 98     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 1290353 | 151.646 | ug/l | 99     |
| 39) Methylcyclohexane        | 9.109 | 83  | 1496612 | 159.580 | ug/l | 99     |
| 40) Benzene                  | 8.079 | 78  | 3366812 | 147.442 | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023389.D  
 Acq On : 07 Oct 2025 12:32  
 Operator : SY/MD  
 Sample : VSTDICC150  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 04:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 246974   | 164.212  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 866250   | 149.063  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.195  | 43   | 946087   | 167.955  | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 966011   | 150.740  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 752286   | 146.403  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 483702   | 153.895  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.420  | 83   | 1202247  | 151.965  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.219  | 41   | 463614   | 176.368  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 9.225  | 88   | 123991   | 3809.726 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 9.993  | 43   | 2516107  | 872.045  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 2272574  | 156.786  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 1123644  | 165.367  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 1296713  | 159.654  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 652242   | 156.020  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 886127   | 184.048  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 1049593  | 155.122  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.707  | 63   | 2040136  | 968.559  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.755 | 43   | 1776032  | 889.038  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 935577   | 164.084  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.012 | 107  | 639895   | 162.699  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 1046931  | 136.739  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.438 | 112  | 2563176  | 154.117  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.511 | 131  | 923367   | 157.870  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 4341801  | 159.957  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.627 | 106  | 3502137  | 321.899  | ug/l   | 99       |
| 69) o-Xylene                  | 11.950 | 106  | 1694987  | 168.295  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 2830398  | 170.203  | ug/l   | 99       |
| 71) Bromoform                 | 12.127 | 173  | 602644   | 172.115  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.249 | 105  | 4290662  | 160.084  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 890882   | 177.866  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 737773   | 165.010  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 565754m  | 142.542  | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 1111318  | 161.555  | ug/l   | 100      |
| 78) n-propylbenzene           | 12.591 | 91   | 4932015  | 156.465  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 2822049  | 155.063  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.731 | 105  | 3496249  | 160.460  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.298 | 75   | 245190   | 166.570  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 2902371  | 152.701  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.993 | 119  | 3220384  | 162.197  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 3503639  | 162.527  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.170 | 105  | 4560715  | 158.609  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.286 | 119  | 4024712  | 165.622  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 2165278  | 159.350  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 2090133  | 155.104  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 3505715  | 163.379  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 799264   | 151.487  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 1862691  | 157.101  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.267 | 75   | 116273   | 164.099  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 14.913 | 180  | 1272621  | 182.183  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.017 | 225  | 711748   | 163.518  | ug/l   | 98       |
| 95) Naphthalene               | 15.139 | 128  | 2277549  | 204.639  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.322 | 180  | 1110193  | 183.206  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023389.D  
Acq On : 07 Oct 2025 12:32  
Operator : SY/MD  
Sample : VSTDICC150  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 04:45:15 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 04:39:16 2025  
Response via : Initial Calibration

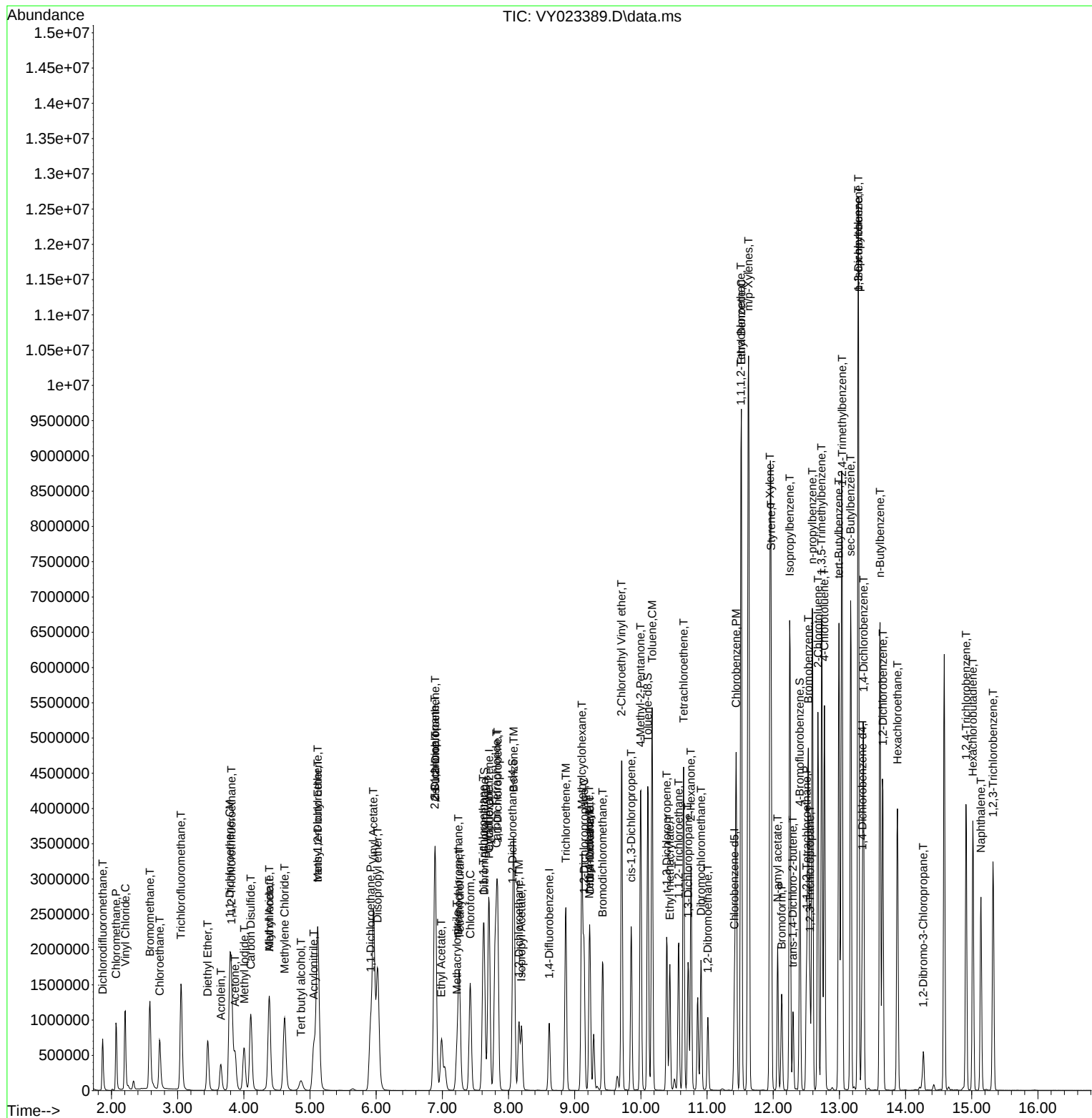
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDICC150

## Manual Integrations

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY100725

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/10/2025  
 Supervised By : Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.707  | 168  | 574332   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 861639   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.414 | 117  | 771372   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 405636   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 8.061  | 65    | 237493   | 49.450   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 50 - 163 | Recovery | =    | 98.900% |
| 35) Dibromofluoromethane  | 7.634  | 113   | 260038   | 49.116   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 54 - 147 | Recovery | =    | 98.240% |
| 50) Toluene-d8            | 10.103 | 98    | 970614   | 49.228   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 58 - 134 | Recovery | =    | 98.460% |
| 62) 4-Bromofluorobenzene  | 12.402 | 95    | 324700   | 49.881   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 30 - 143 | Recovery | =    | 99.760% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.867 | 85  | 185683  | 44.916  | ug/l | 99     |
| 3) Chloromethane             | 2.068 | 50  | 295766  | 52.519  | ug/l | 98     |
| 4) Vinyl Chloride            | 2.208 | 62  | 362714  | 49.449  | ug/l | 100    |
| 5) Bromomethane              | 2.598 | 94  | 300735  | 48.856  | ug/l | 98     |
| 6) Chloroethane              | 2.739 | 64  | 256831  | 51.367  | ug/l | 99     |
| 7) Trichlorofluoromethane    | 3.056 | 101 | 494789  | 48.582  | ug/l | 99     |
| 8) Diethyl Ether             | 3.458 | 74  | 135857  | 51.050  | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 3.812 | 101 | 257524  | 48.728  | ug/l | 100    |
| 10) Methyl Iodide            | 4.007 | 142 | 305209  | 51.875  | ug/l | 98     |
| 11) Tert butyl alcohol       | 4.860 | 59  | 82562   | 231.079 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 3.787 | 96  | 254382  | 49.653  | ug/l | 97     |
| 13) Acrolein                 | 3.653 | 56  | 124288  | 246.184 | ug/l | 99     |
| 14) Allyl chloride           | 4.385 | 41  | 316213  | 50.645  | ug/l | 99     |
| 15) Acrylonitrile            | 5.055 | 53  | 256219  | 251.575 | ug/l | 99     |
| 16) Acetone                  | 3.866 | 43  | 243433  | 212.910 | ug/l | 98     |
| 17) Carbon Disulfide         | 4.104 | 76  | 733457  | 50.021  | ug/l | 100    |
| 18) Methyl Acetate           | 4.385 | 43  | 151281  | 50.439  | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 5.116 | 73  | 643111  | 52.230  | ug/l | 97     |
| 20) Methylene Chloride       | 4.616 | 84  | 324604  | 52.503  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene | 5.116 | 96  | 290384  | 51.482  | ug/l | 98     |
| 22) Diisopropyl ether        | 6.019 | 45  | 709381  | 51.364  | ug/l | 99     |
| 23) Vinyl Acetate            | 5.958 | 43  | 1950969 | 260.981 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 5.915 | 63  | 464207  | 50.742  | ug/l | 98     |
| 25) 2-Butanone               | 6.890 | 43  | 325351  | 233.083 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 6.884 | 77  | 416585  | 49.626  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 6.890 | 96  | 341964  | 52.485  | ug/l | 97     |
| 28) Bromochloromethane       | 7.244 | 49  | 155146  | 45.427  | ug/l | 100    |
| 29) Tetrahydrofuran          | 7.262 | 42  | 200513  | 253.317 | ug/l | 99     |
| 30) Chloroform               | 7.421 | 83  | 513997  | 51.137  | ug/l | 98     |
| 31) Cyclohexane              | 7.701 | 56  | 378819  | 47.416  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 7.616 | 97  | 456112  | 49.934  | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 7.835 | 75  | 348786  | 49.761  | ug/l | 99     |
| 37) Ethyl Acetate            | 6.982 | 43  | 138119  | 49.740  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 7.817 | 117 | 413653  | 48.671  | ug/l | 99     |
| 39) Methylcyclohexane        | 9.109 | 83  | 456031  | 49.970  | ug/l | 99     |
| 40) Benzene                  | 8.079 | 78  | 1107790 | 49.906  | ug/l | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY100725

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.220  | 41   | 72100    | 48.008   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 282332   | 49.318   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.195  | 43   | 279887   | 50.548   | ug/l   | 100      |
| 44) Trichloroethene           | 8.866  | 130  | 319131   | 49.120   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.140  | 63   | 246887   | 50.355   | ug/l   | 100      |
| 46) Dibromomethane            | 9.231  | 93   | 157758   | 50.885   | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.420  | 83   | 393918   | 50.450   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.219  | 41   | 128606   | 49.440   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 37356    | 1039.252 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.000 | 43   | 724992   | 253.421  | ug/l   | 100      |
| 52) Toluene                   | 10.170 | 92   | 743055   | 51.556   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.390 | 75   | 347336   | 51.160   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.853  | 75   | 413860   | 51.649   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 210245   | 50.430   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 256731   | 53.385   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.713 | 76   | 337673   | 51.113   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 586266   | 272.133  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.762 | 43   | 501877   | 245.480  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.908 | 129  | 297946   | 50.974   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 201415   | 50.658   | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 382998   | 48.087   | ug/l   | 99       |
| 65) Chlorobenzene             | 11.438 | 112  | 828466   | 49.381   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 296157   | 49.537   | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 1380691  | 50.841   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 1108386  | 101.757  | ug/l   | 100      |
| 69) o-Xylene                  | 11.950 | 106  | 526954   | 51.577   | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 875709   | 52.122   | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 185682   | 50.070   | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1345109  | 50.318   | ug/l   | 100      |
| 74) N-amyl acetate            | 12.066 | 43   | 245291   | 51.087   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 217245   | 49.688   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 153438m  | 42.874   | ug/l   |          |
| 77) Bromobenzene              | 12.530 | 156  | 352420   | 49.590   | ug/l   | 99       |
| 78) n-propylbenzene           | 12.591 | 91   | 1568180  | 50.694   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 906610   | 50.047   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 1106664  | 51.231   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 67959    | 46.566   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 941314   | 50.455   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.993 | 119  | 1037510  | 52.019   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 1110672  | 51.520   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1454774  | 50.848   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1263377  | 51.864   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.286 | 146  | 686854   | 49.632   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 671644   | 49.140   | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 1100086  | 51.829   | ug/l   | 99       |
| 90) Hexachloroethane          | 13.877 | 117  | 257335   | 49.116   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 602989   | 49.698   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 34928    | 48.687   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 386806   | 51.138   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 236040   | 50.061   | ug/l   | 99       |
| 95) Naphthalene               | 15.139 | 128  | 628190   | 52.154   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 335267   | 51.172   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

ICVVY100725

## Manual Integrations

## APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025  
 Supervised By :Mahesh Dadoda 10/10/2025

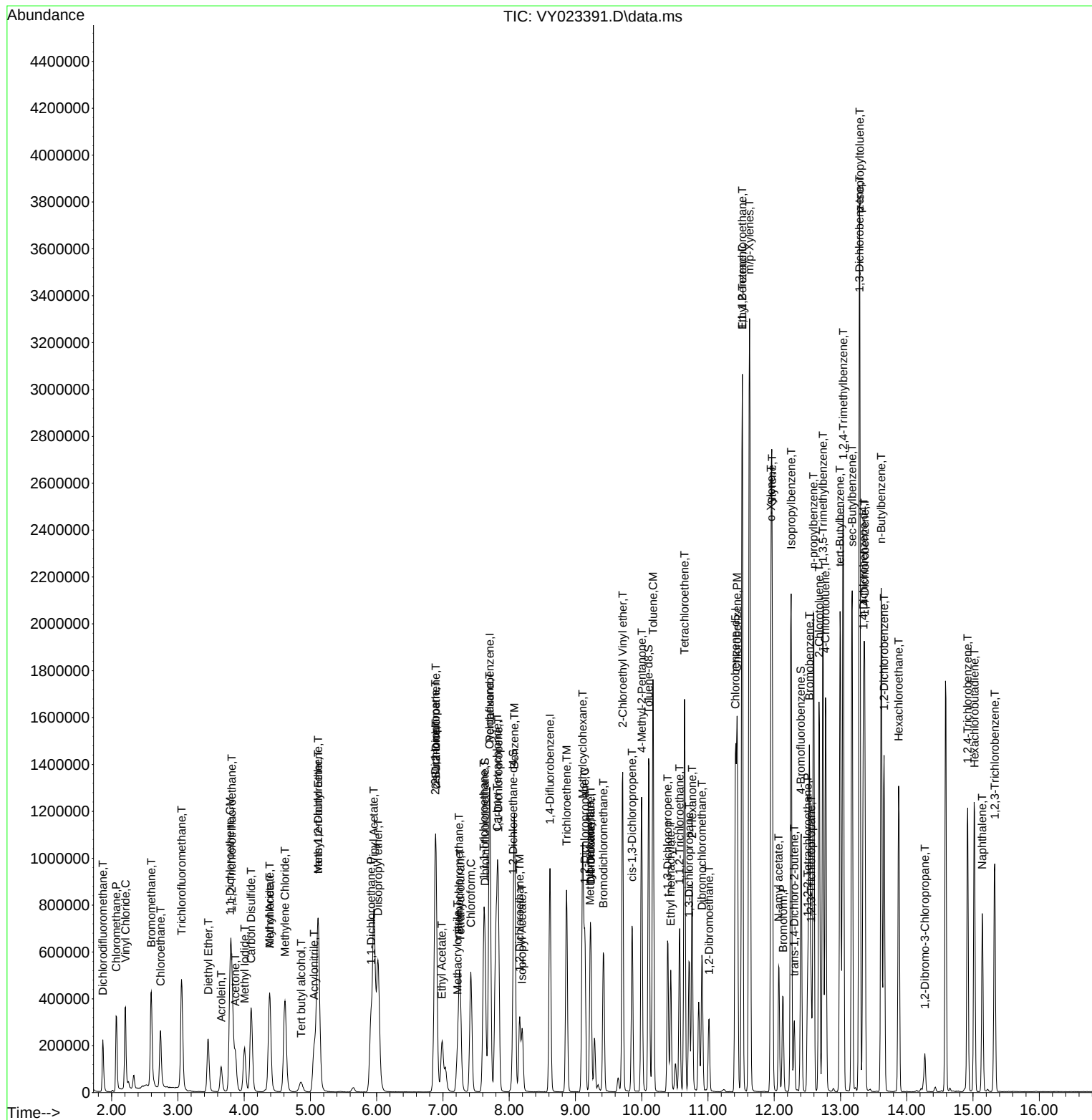
Quant Time: Oct 08 05:15:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
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Instrument :  
 MSVOA\_Y  
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Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.916  | 10.2  | 98    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 52.519  | -5.0  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.449  | 1.1#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 48.856  | 2.3   | 109   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 51.367  | -2.7  | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.582  | 2.8   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.050  | -2.1  | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.728  | 2.5   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 51.875  | -3.8  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 231.079 | 7.6   | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.653  | 0.7#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 246.184 | 1.5   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.645  | -1.3  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.575 | -0.6  | 106   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 212.910 | 14.8  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 50.021  | -0.0  | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.439  | -0.9  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.230  | -4.5  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 52.503  | -5.0  | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 51.482  | -3.0  | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 51.364  | -2.7  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 260.981 | -4.4  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.742  | -1.5  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 233.083 | 6.8   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.626  | 0.7   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.485  | -5.0  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.427  | 9.1   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.317 | -1.3  | 107   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 51.137  | -2.3# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.416  | 5.2   | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.934  | 0.1   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.450  | 1.1   | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.116  | 1.8   | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.761  | 0.5   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.740  | 0.5   | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.671  | 2.7   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 49.970  | 0.1   | 101   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.906  | 0.2   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.008  | 4.0   | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.318  | 1.4   | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.548  | -1.1  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.120  | 1.8   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.355  | -0.7# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.885  | -1.8  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.450  | -0.9  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 49.440  | 1.1   | 101   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICSVY100725

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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 | 1039.252 | -3.9  | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.228   | 1.5   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 253.421  | -1.4  | 106   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.556   | -3.1# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.160   | -2.3  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.649   | -3.3  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.430   | -0.9  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.385   | -6.8  | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 51.113   | -2.2  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 272.133  | -8.9  | 106   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 245.480  | 1.8   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 50.974   | -1.9  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.658   | -1.3  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.881   | 0.2   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.087   | 3.8   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.381   | 1.2   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.537   | 0.9   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.841   | -1.7# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.757  | -1.8  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.577   | -3.2  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.122   | -4.2  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.070   | -0.1  | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.318   | -0.6  | 103   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.087   | -2.2  | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.688   | 0.6   | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 42.874   | 14.3  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.590   | 0.8   | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.694   | -1.4  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.047   | -0.1  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.231   | -2.5  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.566   | 6.9   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.455   | -0.9  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.019   | -4.0  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.520   | -3.0  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.848   | -1.7  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.864   | -3.7  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 49.632   | 0.7   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.140   | 1.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.829   | -3.7  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 49.116   | 1.8   | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.698   | 0.6   | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.687   | 2.6   | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.138   | -2.3  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.061   | -0.1  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.154   | -4.3  | 109   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 51.172 | -2.3 | 108   | 0.00     |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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   | 97    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.360 | 0.323 | 10.3  | 98    | 0.00     |
| 3 P   | Chloromethane               | 0.490 | 0.515 | -5.1  | 112   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.639 | 0.632 | 1.1#  | 103   | 0.00     |
| 5 T   | Bromomethane                | 0.536 | 0.524 | 2.2   | 109   | 0.00     |
| 6 T   | Chloroethane                | 0.435 | 0.447 | -2.8  | 105   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.887 | 0.862 | 2.8   | 100   | 0.00     |
| 8 T   | Diethyl Ether               | 0.232 | 0.237 | -2.2  | 107   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.460 | 0.448 | 2.6   | 100   | 0.00     |
| 10 T  | Methyl Iodide               | 0.512 | 0.531 | -3.7  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.031 | 0.029 | 6.5   | 112   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.443 | 0.7#  | 101   | 0.00     |
| 13 T  | Acrolein                    | 0.044 | 0.043 | 2.3   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 0.544 | 0.551 | -1.3  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 0.089 | 0.089 | 0.0   | 106   | 0.00     |
| 16 T  | Acetone                     | 0.100 | 0.085 | 15.0  | 99    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.277 | 1.277 | 0.0   | 101   | 0.00     |
| 18 T  | Methyl Acetate              | 0.261 | 0.263 | -0.8  | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.072 | 1.120 | -4.5  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 0.538 | 0.565 | -5.0  | 120   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.491 | 0.506 | -3.1  | 105   | 0.00     |
| 22 T  | Diisopropyl ether           | 1.202 | 1.235 | -2.7  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 0.651 | 0.679 | -4.3  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.796 | 0.808 | -1.5  | 104   | 0.00     |
| 25 T  | 2-Butanone                  | 0.122 | 0.113 | 7.4   | 105   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.731 | 0.725 | 0.8   | 100   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.567 | 0.595 | -4.9  | 107   | 0.00     |
| 28 T  | Bromochloromethane          | 0.297 | 0.270 | 9.1   | 99    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.069 | 0.070 | -1.4  | 107   | 0.00     |
| 30 C  | Chloroform                  | 0.875 | 0.895 | -2.3# | 104   | 0.00     |
| 31 T  | Cyclohexane                 | 0.696 | 0.660 | 5.2   | 100   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.795 | 0.794 | 0.1   | 101   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.418 | 0.414 | 1.0   | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.307 | 0.302 | 1.6   | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.407 | 0.405 | 0.5   | 102   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.161 | 0.160 | 0.6   | 107   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.480 | 2.6   | 100   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.530 | 0.529 | 0.2   | 101   | 0.00     |
| 40 TM | Benzene                     | 1.288 | 1.286 | 0.2   | 102   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.087 | 0.084 | 3.4   | 105   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.332 | 0.328 | 1.2   | 104   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.321 | 0.325 | -1.2  | 108   | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.370 | 1.9   | 101   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.285 | 0.287 | -0.7# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.180 | 0.183 | -1.7  | 106   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.453 | 0.457 | -0.9  | 104   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.151 | 0.149 | 1.3   | 101   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
 Data File : VY023391.D  
 Acq On : 07 Oct 2025 14:12  
 Operator : SY/MD  
 Sample : VSTDICV050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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                 | 0.002 | 0.002 | 0.0   | 110   | 0.00     |
| 50 S  | Toluene-d8                  | 1.144 | 1.126 | 1.6   | 100   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.166 | 0.168 | -1.2  | 106   | 0.00     |
| 52 CM | Toluene                     | 0.836 | 0.862 | -3.1# | 105   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.394 | 0.403 | -2.3  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.465 | 0.480 | -3.2  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.242 | 0.244 | -0.8  | 106   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.279 | 0.298 | -6.8  | 107   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.383 | 0.392 | -2.3  | 105   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.125 | 0.136 | -8.8  | 106   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.119 | 0.116 | 2.5   | 105   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.339 | 0.346 | -2.1  | 106   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.231 | 0.234 | -1.3  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.378 | 0.377 | 0.3   | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.516 | 0.497 | 3.7   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 1.087 | 1.074 | 1.2   | 105   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.388 | 0.384 | 1.0   | 106   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.760 | 1.790 | -1.7# | 104   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.718 | -1.7  | 103   | 0.00     |
| 69 T  | o-Xylene                    | 0.662 | 0.683 | -3.2  | 105   | 0.00     |
| 70 T  | Styrene                     | 1.089 | 1.135 | -4.2  | 105   | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.241 | -0.4  | 108   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.295 | 3.316 | -0.6  | 103   | 0.00     |
| 74 T  | N-amyl acetate              | 0.592 | 0.605 | -2.2  | 108   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.539 | 0.536 | 0.6   | 111   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.441 | 0.378 | 14.3  | 90    | 0.00     |
| 77 T  | Bromobenzene                | 0.876 | 0.869 | 0.8   | 106   | 0.00     |
| 78 T  | n-propylbenzene             | 3.813 | 3.866 | -1.4  | 103   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.233 | 2.235 | -0.1  | 104   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.663 | 2.728 | -2.4  | 104   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.180 | 0.168 | 6.7   | 103   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.300 | 2.321 | -0.9  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.458 | 2.558 | -4.1  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.657 | 2.738 | -3.0  | 105   | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.527 | 3.586 | -1.7  | 104   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.003 | 3.115 | -3.7  | 104   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.706 | 1.693 | 0.8   | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.656 | 1.7   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.616 | 2.712 | -3.7  | 105   | 0.00     |
| 90 T  | Hexachloroethane            | 0.646 | 0.634 | 1.9   | 105   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.496 | 1.487 | 0.6   | 106   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.088 | 0.086 | 2.3   | 107   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 0.954 | -2.4  | 107   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.581 | 0.582 | -0.2  | 104   | 0.00     |
| 95 T  | Naphthalene                 | 1.485 | 1.549 | -4.3  | 109   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023391.D  
Acq On : 07 Oct 2025 14:12  
Operator : SY/MD  
Sample : VSTDICV050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ICVVY100725

Quant Time: Oct 08 05:15:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 0.808 | 0.827 | -2.4 | 108   | 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>REMI02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3495</u>                 |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>10/31/2025 09:18</u>      |
| Lab File ID:        | <u>VX048416.D</u> | Init. Calib. Date(s):  | <u>10/29/2025 10/29/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>11:12 13:03</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D    | MAX%D |
|--------------------------------|-------|--------|---------|-------|-------|
| Dichlorodifluoromethane        | 0.510 | 0.491  |         | -3.72 | 20    |
| Chloromethane                  | 0.288 | 0.299  | 0.1     | 3.82  | 20    |
| Vinyl Chloride                 | 0.665 | 0.662  |         | -0.45 | 20    |
| Bromomethane                   | 0.240 | 0.266  |         | 10.83 | 20    |
| Chloroethane                   | 0.395 | 0.399  |         | 1.01  | 20    |
| Trichlorofluoromethane         | 1.019 | 1.008  |         | -1.08 | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.573 | 0.561  |         | -2.09 | 20    |
| 1,1-Dichloroethene             | 0.582 | 0.580  |         | -0.34 | 20    |
| Acetone                        | 0.163 | 0.165  |         | 1.23  | 20    |
| Carbon Disulfide               | 1.669 | 1.663  |         | -0.36 | 20    |
| Methyl tert-butyl Ether        | 1.864 | 1.945  |         | 4.34  | 20    |
| Methyl Acetate                 | 0.545 | 0.550  |         | 0.92  | 20    |
| Methylene Chloride             | 0.628 | 0.649  |         | 3.34  | 20    |
| trans-1,2-Dichloroethene       | 0.618 | 0.617  |         | -0.16 | 20    |
| 1,1-Dichloroethane             | 1.145 | 1.159  | 0.1     | 1.22  | 20    |
| Cyclohexane                    | 0.994 | 0.947  |         | -4.73 | 20    |
| 2-Butanone                     | 0.260 | 0.267  |         | 2.69  | 20    |
| Carbon Tetrachloride           | 0.553 | 0.533  |         | -3.62 | 20    |
| cis-1,2-Dichloroethene         | 0.738 | 0.747  |         | 1.22  | 20    |
| Bromochloromethane             | 0.519 | 0.545  |         | 5.01  | 20    |
| Chloroform                     | 1.178 | 1.172  |         | -0.51 | 20    |
| 1,1,1-Trichloroethane          | 1.040 | 1.037  |         | -0.29 | 20    |
| Methylcyclohexane              | 0.616 | 0.581  |         | -5.68 | 20    |
| Benzene                        | 1.462 | 1.472  |         | 0.68  | 20    |
| 1,2-Dichloroethane             | 0.515 | 0.527  |         | 2.33  | 20    |
| Trichloroethene                | 0.383 | 0.385  |         | 0.52  | 20    |
| 1,2-Dichloropropane            | 0.365 | 0.369  |         | 1.1   | 20    |
| Bromodichloromethane           | 0.543 | 0.565  |         | 4.05  | 20    |
| 4-Methyl-2-Pentanone           | 0.375 | 0.386  |         | 2.93  | 20    |
| Toluene                        | 0.914 | 0.927  |         | 1.42  | 20    |
| t-1,3-Dichloropropene          | 0.492 | 0.530  |         | 7.72  | 20    |
| cis-1,3-Dichloropropene        | 0.531 | 0.563  |         | 6.03  | 20    |
| 1,1,2-Trichloroethane          | 0.331 | 0.339  |         | 2.42  | 20    |
| 2-Hexanone                     | 0.244 | 0.251  |         | 2.87  | 20    |
| Dibromochloromethane           | 0.409 | 0.421  |         | 2.93  | 20    |
| 1,2-Dibromoethane              | 0.342 | 0.354  |         | 3.51  | 20    |
| Tetrachloroethene              | 0.403 | 0.390  |         | -3.23 | 20    |
| Chlorobenzene                  | 1.152 | 1.128  | 0.3     | -2.08 | 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>REMI02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3495</u>                        |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>10/31/2025</u> <u>09:18</u>      |
| Lab File ID:        | <u>VX048416.D</u> | Init. Calib. Date(s):  | <u>10/29/2025</u> <u>10/29/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>11:12</u> <u>13:03</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)                    |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.940 | 1.943  |            | 0.16  | 20    |
| m/p-Xylenes                 | 0.734 | 0.741  |            | 0.95  | 20    |
| o-Xylene                    | 0.702 | 0.709  |            | 1     | 20    |
| Styrene                     | 1.189 | 1.233  |            | 3.7   | 20    |
| Bromoform                   | 0.283 | 0.294  | 0.1        | 3.89  | 20    |
| Isopropylbenzene            | 3.698 | 3.720  |            | 0.6   | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.937 | 0.939  | 0.3        | 0.21  | 20    |
| 1,3-Dichlorobenzene         | 1.745 | 1.669  |            | -4.36 | 20    |
| 1,4-Dichlorobenzene         | 1.777 | 1.704  |            | -4.11 | 20    |
| 1,2-Dichlorobenzene         | 1.617 | 1.627  |            | 0.62  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.183 | 0.187  |            | 2.19  | 20    |
| 1,2,4-Trichlorobenzene      | 1.116 | 1.103  |            | -1.16 | 20    |
| 1,2,3-Trichlorobenzene      | 1.013 | 1.022  |            | 0.89  | 20    |
| 1,2-Dichloroethane-d4       | 0.719 | 0.743  |            | 3.34  | 20    |
| Dibromofluoromethane        | 0.285 | 0.296  |            | 3.86  | 20    |
| Toluene-d8                  | 1.258 | 1.277  |            | 1.51  | 20    |
| 4-Bromofluorobenzene        | 0.471 | 0.470  |            | -0.21 | 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\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.531          | 168  | 152790              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.739          | 114  | 255523              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 229228              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.000         | 152  | 111736              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.934          | 65   | 113499              | 51.653  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 103.300% |         |        |          |
| 35) Dibromofluoromethane     | 5.361          | 113  | 75703               | 51.964  | ug/l   | -0.01    |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.920% |         |        |          |
| 50) Toluene-d8               | 8.628          | 98   | 326218              | 50.727  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.460% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 120070              | 49.912  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 99.820%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 75014               | 48.131  | ug/l   | 96       |
| 3) Chloromethane             | 1.301          | 50   | 45644               | 51.908  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.380          | 62   | 101174              | 49.809  | ug/l   | 98       |
| 5) Bromomethane              | 1.618          | 94   | 40685               | 55.447  | ug/l   | 99       |
| 6) Chloroethane              | 1.697          | 64   | 60986               | 50.486  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 153970              | 49.465  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 58371               | 51.886  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 85744               | 48.973  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 339008              | 48.152  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.928          | 59   | 42503               | 252.471 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 88655               | 49.850  | ug/l   | 91       |
| 13) Acrolein                 | 2.233          | 56   | 98542               | 280.429 | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 151934              | 50.448  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.050          | 53   | 204878              | 267.516 | ug/l   | 99       |
| 16) Acetone                  | 2.367          | 43   | 126129              | 253.262 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 254137              | 49.839  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 84085               | 50.482  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.099          | 73   | 297192              | 52.184  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.782          | 84   | 99202               | 51.674  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 94332               | 49.938  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.745          | 45   | 324559              | 52.650  | ug/l   | 88       |
| 23) Vinyl Acetate            | 3.709          | 43   | 1115978             | 265.943 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 177039              | 50.605  | ug/l   | 99       |
| 25) 2-Butanone               | 4.532          | 43   | 203957              | 256.360 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.458          | 77   | 151759              | 50.381  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.471          | 96   | 114120              | 50.620  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.879          | 49   | 83225               | 52.491  | ug/l   | 93       |
| 29) Tetrahydrofuran          | 4.977          | 42   | 143309              | 252.936 | ug/l   | 98       |
| 30) Chloroform               | 5.074          | 83   | 179084              | 49.762  | ug/l   | 98       |
| 31) Cyclohexane              | 5.452          | 56   | 144767              | 47.672  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 158417              | 49.863  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.672          | 75   | 119169              | 48.711  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.684          | 43   | 106033              | 50.871  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.660          | 117  | 136272              | 48.243  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.360          | 83   | 148486              | 47.197  | ug/l   | 96       |
| 40) Benzene                  | 6.019          | 78   | 376035              | 50.313  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.897  | 41   | 58133    | 55.371   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.062  | 62   | 134546   | 51.109   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 181673   | 52.793   | ug/l   | 97       |
| 44) Trichloroethene           | 7.104  | 130  | 98438    | 50.271   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 94277    | 50.508   | ug/l   | 100      |
| 46) Dibromomethane            | 7.556  | 93   | 66880    | 51.183   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.799  | 83   | 144278   | 51.967   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.671  | 41   | 90597    | 53.986   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 21610    | 1132.935 | ug/l   | 92       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 493476   | 257.669  | ug/l   | 96       |
| 52) Toluene                   | 8.702  | 92   | 236939   | 50.735   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 135417   | 53.813   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 143774   | 53.029   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 86495    | 51.179   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 131183   | 53.010   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 148498   | 50.675   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 380217   | 257.663  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.409  | 43   | 320230   | 256.975  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.500  | 129  | 107576   | 51.467   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 90387    | 51.697   | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 89451    | 48.456   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 258503   | 48.950   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131  | 91596    | 50.990   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.177 | 91   | 445293   | 50.079   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.281 | 106  | 339842   | 100.942  | ug/l   | 96       |
| 69) o-Xylene                  | 10.622 | 106  | 162637   | 50.552   | ug/l   | 97       |
| 70) Styrene                   | 10.634 | 104  | 282650   | 51.862   | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 67415    | 51.879   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.945 | 105  | 415638   | 50.292   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 154874   | 52.531   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 104968   | 50.143   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 88324m   | 54.965   | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 103330   | 50.614   | ug/l   | 96       |
| 78) n-propylbenzene           | 11.287 | 91   | 489090   | 50.071   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 294010   | 50.133   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 347518   | 51.297   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 25635    | 55.207   | ug/l # | 54       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 345977   | 50.182   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 336164   | 48.741   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 348276   | 51.921   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 426930   | 49.679   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 364568   | 50.180   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 186450   | 47.822   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.018 | 146  | 190416   | 47.952   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.311 | 91   | 335539   | 49.190   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.518 | 117  | 64583    | 50.589   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 181779   | 50.313   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 20863    | 50.896   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 123235   | 49.430   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 49140    | 46.989   | ug/l   | 97       |
| 95) Naphthalene               | 13.756 | 128  | 330326   | 52.461   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.945 | 180  | 114145   | 50.405   | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048416.D  
Acq On : 31 Oct 2025 09:18  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

**Manual Integrations**  
**APPROVED**

Reviewed By :Amit Patel 11/03/2025  
Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 22:58:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

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

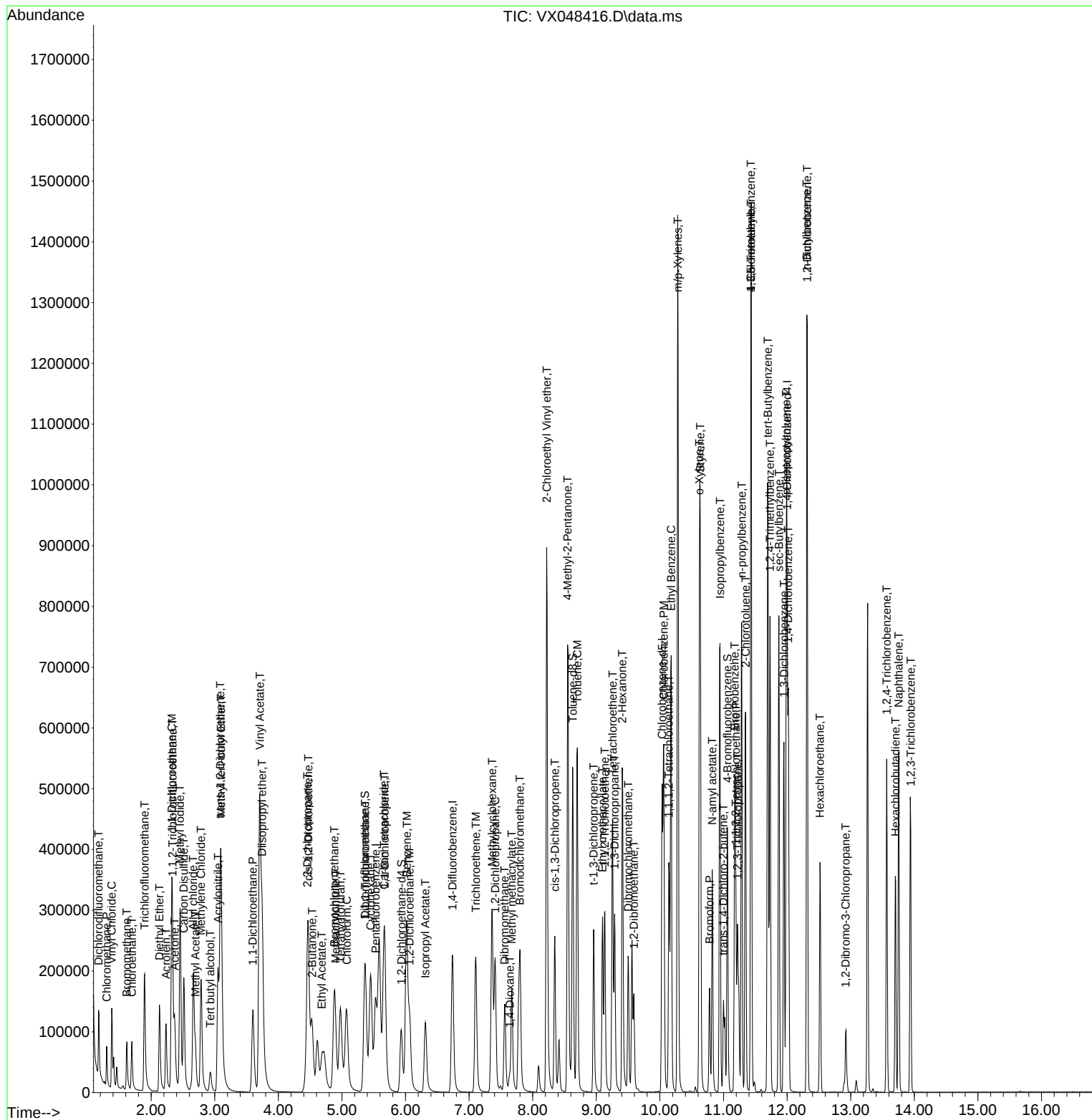
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

### Manual Integrations APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.510 | 0.491 | 3.7   | 87    | 0.00     |
| 3 P   | Chloromethane               | 0.288 | 0.299 | -3.8  | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.665 | 0.662 | 0.5#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 0.240 | 0.266 | -10.8 | 105   | 0.00     |
| 6 T   | Chloroethane                | 0.395 | 0.399 | -1.0  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.019 | 1.008 | 1.1   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 0.368 | 0.382 | -3.8  | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.561 | 2.1   | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 2.304 | 2.219 | 3.7   | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.056 | -1.8  | 101   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.582 | 0.580 | 0.3#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 0.115 | 0.129 | -12.2 | 110   | 0.00     |
| 14 T  | Allyl chloride              | 0.986 | 0.994 | -0.8  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 0.251 | 0.268 | -6.8  | 104   | 0.00     |
| 16 T  | Acetone                     | 0.163 | 0.165 | -1.2  | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.669 | 1.663 | 0.4   | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 0.545 | 0.550 | -0.9  | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.864 | 1.945 | -4.3  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 0.628 | 0.649 | -3.3  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.618 | 0.617 | 0.2   | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.017 | 2.124 | -5.3  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.373 | 1.461 | -6.4  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.145 | 1.159 | -1.2  | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 0.260 | 0.267 | -2.7  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.993 | -0.7  | 100   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.738 | 0.747 | -1.2  | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 0.519 | 0.545 | -5.0  | 102   | -0.01    |
| 29 T  | Tetrahydrofuran             | 0.185 | 0.188 | -1.6  | 99    | -0.01    |
| 30 C  | Chloroform                  | 1.178 | 1.172 | 0.5#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 0.994 | 0.947 | 4.7   | 90    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 1.040 | 1.037 | 0.3   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.719 | 0.743 | -3.3  | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.285 | 0.296 | -3.9  | 105   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.466 | 2.7   | 93    | -0.01    |
| 37 T  | Ethyl Acetate               | 0.408 | 0.415 | -1.7  | 99    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.553 | 0.533 | 3.6   | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.616 | 0.581 | 5.7   | 86    | 0.00     |
| 40 TM | Benzene                     | 1.462 | 1.472 | -0.7  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.205 | 0.228 | -11.2 | 104   | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 0.515 | 0.527 | -2.3  | 103   | -0.01    |
| 43 T  | Isopropyl Acetate           | 0.673 | 0.711 | -5.6  | 104   | -0.01    |
| 44 TM | Trichloroethene             | 0.383 | 0.385 | -0.5  | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.369 | -1.1# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 0.256 | 0.262 | -2.3  | 102   | -0.01    |
| 47 T  | Bromodichloromethane        | 0.543 | 0.565 | -4.1  | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.328 | 0.355 | -8.2  | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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                 | 0.004 | 0.004 | 0.0   | 105   | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.277 | -1.5  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.375 | 0.386 | -2.9  | 101   | 0.00     |
| 52 CM | Toluene                     | 0.914 | 0.927 | -1.4# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.492 | 0.530 | -7.7  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.531 | 0.563 | -6.0  | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.331 | 0.339 | -2.4  | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.484 | 0.513 | -6.0  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.573 | 0.581 | -1.4  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.251 | 0.298 | -18.7 | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.244 | 0.251 | -2.9  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.409 | 0.421 | -2.9  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.342 | 0.354 | -3.5  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.471 | 0.470 | 0.2   | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.403 | 0.390 | 3.2   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 1.152 | 1.128 | 2.1   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.400 | -2.0  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.940 | 1.943 | -0.2# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.734 | 0.741 | -1.0  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 0.702 | 0.709 | -1.0  | 98    | 0.00     |
| 70 T  | Styrene                     | 1.189 | 1.233 | -3.7  | 100   | 0.00     |
| 71 P  | Bromoform                   | 0.283 | 0.294 | -3.9  | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.698 | 3.720 | -0.6  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 1.319 | 1.386 | -5.1  | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.937 | 0.939 | -0.2  | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.719 | 0.790 | -9.9  | 105   | 0.00     |
| 77 T  | Bromobenzene                | 0.914 | 0.925 | -1.2  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 4.371 | 4.377 | -0.1  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.624 | 2.631 | -0.3  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.032 | 3.110 | -2.6  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.208 | 0.229 | -10.1 | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.085 | 3.096 | -0.4  | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.086 | 3.009 | 2.5   | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.002 | 3.117 | -3.8  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.846 | 3.821 | 0.7   | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.251 | 3.263 | -0.4  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.669 | 4.4   | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.777 | 1.704 | 4.1   | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.052 | 3.003 | 1.6   | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.578 | -1.2  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.617 | 1.627 | -0.6  | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.183 | 0.187 | -2.2  | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.116 | 1.103 | 1.2   | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.468 | 0.440 | 6.0   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 2.818 | 2.956 | -4.9  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048416.D  
Acq On : 31 Oct 2025 09:18  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 31 22:58:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 1.013 | 1.022 | -0.9 | 98    | 0.00     |

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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   | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.131  | 3.7   | 87    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 51.908  | -3.8  | 105   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 49.809  | 0.4#  | 95    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 55.447  | -10.9 | 105   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 50.486  | -1.0  | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 49.465  | 1.1   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.886  | -3.8  | 105   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 48.973  | 2.1   | 91    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.152  | 3.7   | 97    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 252.471 | -1.0  | 101   | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.850  | 0.3#  | 96    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 280.429 | -12.2 | 110   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.448  | -0.9  | 102   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 267.516 | -7.0  | 104   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 253.262 | -1.3  | 100   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.839  | 0.3   | 95    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.482  | -1.0  | 107   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 52.184  | -4.4  | 106   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.674  | -3.3  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.938  | 0.1   | 97    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.650  | -5.3  | 103   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 265.943 | -6.4  | 105   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.605  | -1.2  | 100   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 256.360 | -2.5  | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.381  | -0.8  | 100   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.620  | -1.2  | 100   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.491  | -5.0  | 102   | -0.01    |
| 29 T  | Tetrahydrofuran             | 250.000 | 252.936 | -1.2  | 99    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 49.762  | 0.5#  | 99    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 47.672  | 4.7   | 90    | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.863  | 0.3   | 96    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.653  | -3.3  | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.964  | -3.9  | 105   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.711  | 2.6   | 93    | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 50.871  | -1.7  | 99    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.243  | 3.5   | 93    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.197  | 5.6   | 86    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.313  | -0.6  | 98    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 55.371  | -10.7 | 104   | -0.01    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 51.109  | -2.2  | 103   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.793  | -5.6  | 104   | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 50.271  | -0.5  | 99    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.508  | -1.0# | 100   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.183  | -2.4  | 102   | -0.01    |
| 47 T  | Bromodichloromethane        | 50.000  | 51.967  | -3.9  | 103   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 53.986  | -8.0  | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048416.D  
 Acq On : 31 Oct 2025 09:18  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 22:58:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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 | 1132.935 | -13.3 | 105   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.727   | -1.5  | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 257.669  | -3.1  | 101   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.735   | -1.5# | 98    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.813   | -7.6  | 105   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.029   | -6.1  | 105   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 51.179   | -2.4  | 102   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.010   | -6.0  | 102   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.675   | -1.3  | 100   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 257.663  | -3.1  | 103   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 256.975  | -2.8  | 98    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.467   | -2.9  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.697   | -3.4  | 102   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.912   | 0.2   | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 100   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.456   | 3.1   | 98    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.950   | 2.1   | 99    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.990   | -2.0  | 101   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.079   | -0.2# | 98    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 100.942  | -0.9  | 96    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.552   | -1.1  | 98    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.862   | -3.7  | 100   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 51.879   | -3.8  | 105   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 99    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.292   | -0.6  | 96    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.531   | -5.1  | 100   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 50.143   | -0.3  | 100   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 54.965   | -9.9  | 105   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 50.614   | -1.2  | 100   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.071   | -0.1  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.133   | -0.3  | 98    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 51.297   | -2.6  | 96    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 55.207   | -10.4 | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.182   | -0.4  | 98    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.741   | 2.5   | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.921   | -3.8  | 98    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.679   | 0.6   | 93    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.180   | -0.4  | 94    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.822   | 4.4   | 97    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.952   | 4.1   | 98    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 49.190   | 1.6   | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.589   | -1.2  | 96    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.313   | -0.6  | 101   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 50.896   | -1.8  | 99    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.430   | 1.1   | 98    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 46.989   | 6.0   | 90    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.461   | -4.9  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048416.D  
Acq On : 31 Oct 2025 09:18  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 31 22:58:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 50.405 | -0.8 | 98    | 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>REMI02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3495</u>                 |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>11/03/2025 09:14</u>      |
| Lab File ID:        | <u>VX048445.D</u> | Init. Calib. Date(s):  | <u>10/29/2025 10/29/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>11:12 13:03</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.510 | 0.440  |         | -13.73 | 20    |
| Chloromethane                  | 0.288 | 0.260  | 0.1     | -9.72  | 20    |
| Vinyl Chloride                 | 0.665 | 0.635  |         | -4.51  | 20    |
| Bromomethane                   | 0.240 | 0.250  |         | 4.17   | 20    |
| Chloroethane                   | 0.395 | 0.378  |         | -4.3   | 20    |
| Trichlorofluoromethane         | 1.019 | 0.953  |         | -6.48  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.573 | 0.569  |         | -0.7   | 20    |
| 1,1-Dichloroethene             | 0.582 | 0.593  |         | 1.89   | 20    |
| Acetone                        | 0.163 | 0.156  |         | -4.29  | 20    |
| Carbon Disulfide               | 1.669 | 1.411  |         | -15.46 | 20    |
| Methyl tert-butyl Ether        | 1.864 | 1.651  |         | -11.43 | 20    |
| Methyl Acetate                 | 0.545 | 0.458  |         | -15.96 | 20    |
| Methylene Chloride             | 0.628 | 0.543  |         | -13.53 | 20    |
| trans-1,2-Dichloroethene       | 0.618 | 0.522  |         | -15.53 | 20    |
| 1,1-Dichloroethane             | 1.145 | 0.990  | 0.1     | -13.54 | 20    |
| Cyclohexane                    | 0.994 | 0.888  |         | -10.66 | 20    |
| 2-Butanone                     | 0.260 | 0.218  |         | -16.15 | 20    |
| Carbon Tetrachloride           | 0.553 | 0.609  |         | 10.13  | 20    |
| cis-1,2-Dichloroethene         | 0.738 | 0.611  |         | -17.21 | 20    |
| Bromochloromethane             | 0.519 | 0.550  |         | 5.97   | 20    |
| Chloroform                     | 1.178 | 1.091  |         | -7.39  | 20    |
| 1,1,1-Trichloroethane          | 1.040 | 1.003  |         | -3.56  | 20    |
| Methylcyclohexane              | 0.616 | 0.548  |         | -11.04 | 20    |
| Benzene                        | 1.462 | 1.691  |         | 15.66  | 20    |
| 1,2-Dichloroethane             | 0.515 | 0.594  |         | 15.34  | 20    |
| Trichloroethene                | 0.383 | 0.366  |         | -4.44  | 20    |
| 1,2-Dichloropropane            | 0.365 | 0.354  |         | -3.01  | 20    |
| Bromodichloromethane           | 0.543 | 0.581  |         | 7      | 20    |
| 4-Methyl-2-Pentanone           | 0.375 | 0.363  |         | -3.2   | 20    |
| Toluene                        | 0.914 | 0.880  |         | -3.72  | 20    |
| t-1,3-Dichloropropene          | 0.492 | 0.517  |         | 5.08   | 20    |
| cis-1,3-Dichloropropene        | 0.531 | 0.542  |         | 2.07   | 20    |
| 1,1,2-Trichloroethane          | 0.331 | 0.322  |         | -2.72  | 20    |
| 2-Hexanone                     | 0.244 | 0.235  |         | -3.69  | 20    |
| Dibromochloromethane           | 0.409 | 0.419  |         | 2.44   | 20    |
| 1,2-Dibromoethane              | 0.342 | 0.342  |         | 0      | 20    |
| Tetrachloroethene              | 0.403 | 0.374  |         | -7.2   | 20    |
| Chlorobenzene                  | 1.152 | 1.076  | 0.3     | -6.6   | 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>REMI02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3495</u>                 |
| Instrument ID:      | <u>MSVOA_X</u>    | Calibration Date/Time: | <u>11/03/2025 09:14</u>      |
| Lab File ID:        | <u>VX048445.D</u> | Init. Calib. Date(s):  | <u>10/29/2025 10/29/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>11:12 13:03</u>           |
| GC Column:          | <u>DB-624UI</u>   | ID:                    | <u>0.18</u> (mm)             |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.940 | 1.879  |            | -3.14 | 20    |
| m/p-Xylenes                 | 0.734 | 0.704  |            | -4.09 | 20    |
| o-Xylene                    | 0.702 | 0.676  |            | -3.7  | 20    |
| Styrene                     | 1.189 | 1.172  |            | -1.43 | 20    |
| Bromoform                   | 0.283 | 0.286  | 0.1        | 1.06  | 20    |
| Isopropylbenzene            | 3.698 | 4.029  |            | 8.95  | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.937 | 1.000  | 0.3        | 6.72  | 20    |
| 1,3-Dichlorobenzene         | 1.745 | 1.647  |            | -5.62 | 20    |
| 1,4-Dichlorobenzene         | 1.777 | 1.651  |            | -7.09 | 20    |
| 1,2-Dichlorobenzene         | 1.617 | 1.555  |            | -3.83 | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.183 | 0.179  |            | -2.19 | 20    |
| 1,2,4-Trichlorobenzene      | 1.116 | 1.006  |            | -9.86 | 20    |
| 1,2,3-Trichlorobenzene      | 1.013 | 0.928  |            | -8.39 | 20    |
| 1,2-Dichloroethane-d4       | 0.719 | 0.649  |            | -9.74 | 20    |
| Dibromofluoromethane        | 0.285 | 0.346  |            | 21.4  | 20    |
| Toluene-d8                  | 1.258 | 1.255  |            | -0.24 | 20    |
| 4-Bromofluorobenzene        | 0.471 | 0.531  |            | 12.74 | 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\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.532  | 168  | 182398   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.739  | 114  | 256609   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 229985   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.000 | 152  | 116056   | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.928  | 65    | 118382   | 45.129   | ug/l | -0.01    |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | =    | 90.260%  |
| 35) Dibromofluoromethane  | 5.361  | 113   | 88789    | 60.689   | ug/l | -0.01    |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 121.380% |
| 50) Toluene-d8            | 8.629  | 98    | 321993   | 49.858   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | =    | 99.720%  |
| 62) 4-Bromofluorobenzene  | 11.061 | 95    | 136256   | 56.400   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | =    | 112.800% |

## Target Compounds

|                              |       |     |         |         |        | Qvalue |
|------------------------------|-------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.173 | 85  | 80323   | 43.172  | ug/l   | 98     |
| 3) Chloromethane             | 1.301 | 50  | 47366   | 45.122  | ug/l   | 100    |
| 4) Vinyl Chloride            | 1.380 | 62  | 115770  | 47.743  | ug/l   | 98     |
| 5) Bromomethane              | 1.618 | 94  | 45510   | 51.955  | ug/l   | 98     |
| 6) Chloroethane              | 1.697 | 64  | 68875   | 47.761  | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 1.892 | 101 | 173736  | 46.755  | ug/l   | 98     |
| 8) Diethyl Ether             | 2.130 | 74  | 69422   | 51.692  | ug/l   | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 2.337 | 101 | 103874  | 49.697  | ug/l   | 95     |
| 10) Methyl Iodide            | 2.453 | 142 | 335677  | 39.939  | ug/l   | 97     |
| 11) Tert butyl alcohol       | 2.934 | 59  | 41547   | 206.732 | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 2.325 | 96  | 108150  | 50.941  | ug/l   | 85     |
| 13) Acrolein                 | 2.233 | 56  | 106478  | 253.826 | ug/l   | 98     |
| 14) Allyl chloride           | 2.660 | 41  | 148787  | 41.384  | ug/l   | 93     |
| 15) Acrylonitrile            | 3.050 | 53  | 188540  | 206.221 | ug/l   | 98     |
| 16) Acetone                  | 2.368 | 43  | 141878  | 238.641 | ug/l   | 98     |
| 17) Carbon Disulfide         | 2.514 | 76  | 257433  | 42.290  | ug/l   | 100    |
| 18) Methyl Acetate           | 2.691 | 43  | 83551   | 42.019  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether  | 3.099 | 73  | 301094  | 44.288  | ug/l   | 97     |
| 20) Methylene Chloride       | 2.782 | 84  | 99078   | 43.232  | ug/l   | 99     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 95232   | 42.231  | ug/l   | 98     |
| 22) Diisopropyl ether        | 3.739 | 45  | 322329  | 43.800  | ug/l   | 96     |
| 23) Vinyl Acetate            | 3.703 | 43  | 1125255 | 224.625 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 180483  | 43.215  | ug/l   | 99     |
| 25) 2-Butanone               | 4.532 | 43  | 198913  | 209.435 | ug/l   | 100    |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 161000  | 44.773  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 111359  | 41.377  | ug/l   | 96     |
| 28) Bromochloromethane       | 4.873 | 49  | 100275  | 52.979  | ug/l   | 91     |
| 29) Tetrahydrofuran          | 4.977 | 42  | 145571  | 215.222 | ug/l   | 93     |
| 30) Chloroform               | 5.068 | 83  | 198984  | 46.316  | ug/l   | 99     |
| 31) Cyclohexane              | 5.452 | 56  | 161912  | 44.663  | ug/l   | 94     |
| 32) 1,1,1-Trichloroethane    | 5.361 | 97  | 182932  | 48.232  | ug/l   | 100    |
| 36) 1,1-Dichloropropene      | 5.672 | 75  | 136164  | 55.422  | ug/l   | 99     |
| 37) Ethyl Acetate            | 4.684 | 43  | 104468  | 49.908  | ug/l # | 95     |
| 38) Carbon Tetrachloride     | 5.660 | 117 | 156186  | 55.059  | ug/l   | 99     |
| 39) Methylcyclohexane        | 7.361 | 83  | 140593  | 44.499  | ug/l   | 95     |
| 40) Benzene                  | 6.013 | 78  | 434013  | 57.824  | ug/l   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 63412    | 60.144   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.062  | 62   | 152527   | 57.694   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 173495   | 50.203   | ug/l   | 99       |
| 44) Trichloroethene           | 7.104  | 130  | 93867    | 47.733   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 90739    | 48.407   | ug/l   | 99       |
| 46) Dibromomethane            | 7.562  | 93   | 68145    | 51.930   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.799  | 83   | 149137   | 53.490   | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.671  | 41   | 86418    | 51.278   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 19570    | 1021.643 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.549  | 43   | 465409   | 241.985  | ug/l   | 100      |
| 52) Toluene                   | 8.702  | 92   | 225707   | 48.125   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 132742   | 52.527   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 139107   | 51.090   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 82677    | 48.713   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 120750   | 48.587   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.287  | 76   | 143672   | 48.821   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 365937   | 247.323  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.409  | 43   | 301500   | 240.921  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.500  | 129  | 107504   | 51.215   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 87633    | 49.910   | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.257  | 164  | 85963    | 46.413   | ug/l   | 94       |
| 65) Chlorobenzene             | 10.061 | 112  | 247361   | 46.686   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.140 | 131  | 90612    | 50.277   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 432029   | 48.428   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.281 | 106  | 324026   | 95.928   | ug/l   | 99       |
| 69) o-Xylene                  | 10.622 | 106  | 155411   | 48.147   | ug/l   | 98       |
| 70) Styrene                   | 10.634 | 104  | 269453   | 49.278   | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 65717    | 50.406   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 467537   | 54.466   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 147742   | 48.246   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 116039   | 53.369   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 94762m   | 56.776   | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 119277   | 56.251   | ug/l   | 94       |
| 78) n-propylbenzene           | 11.287 | 91   | 549175   | 54.130   | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.342 | 91   | 299997   | 49.249   | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 349288   | 49.639   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 27304    | 56.613   | ug/l # | 58       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 341305   | 47.662   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 327090   | 45.660   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 337416   | 48.429   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 410644   | 46.005   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 358216   | 47.470   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 191099   | 47.190   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 191596   | 46.453   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.311 | 91   | 315963   | 44.596   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.518 | 117  | 66425    | 50.095   | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 180428   | 48.080   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 20735    | 48.700   | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 116787   | 45.100   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 45216    | 41.627   | ug/l   | 99       |
| 95) Naphthalene               | 13.756 | 128  | 299390   | 45.778   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 107645   | 45.765   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

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

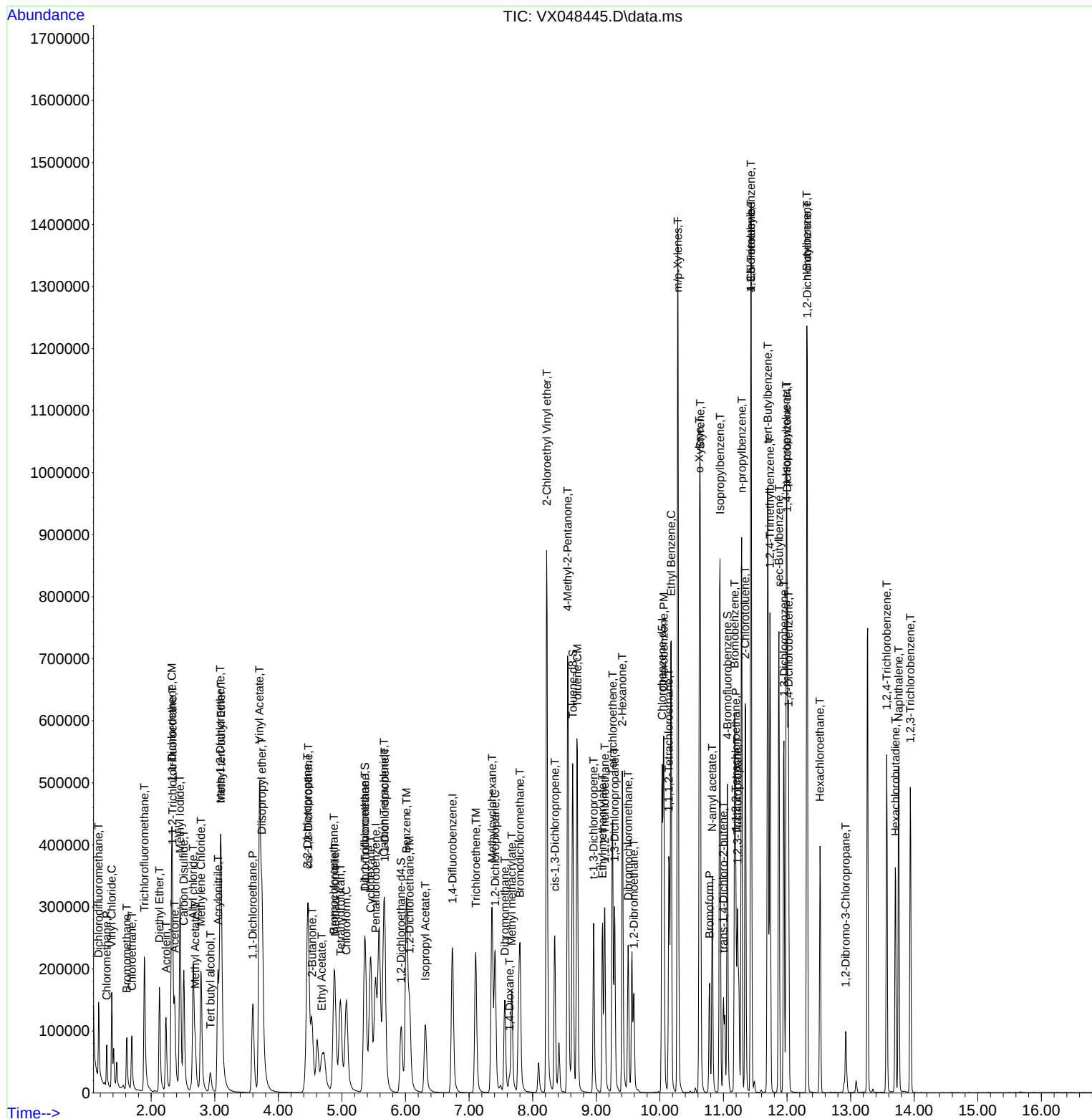
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048445.D
Acq On    : 03 Nov 2025  09:14
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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   | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.172  | 13.7  | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.122  | 9.8   | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.743  | 4.5#  | 109   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.955  | -3.9  | 118   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.761  | 4.5   | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 46.755  | 6.5   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.692  | -3.4  | 124   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 49.697  | 0.6   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 39.939  | 20.1  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 206.732 | 17.3  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.941  | -1.9# | 117   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 253.826 | -1.5  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 41.384  | 17.2  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 206.221 | 17.5  | 96    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.641 | 4.5   | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 42.290  | 15.4  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 42.019  | 16.0  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 44.288  | 11.4  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.232  | 13.5  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 42.231  | 15.5  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 43.800  | 12.4  | 102   | -0.01    |
| 23 T  | Vinyl Acetate               | 250.000 | 224.625 | 10.2  | 106   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 43.215  | 13.6  | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 209.435 | 16.2  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 44.773  | 10.5  | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 41.377  | 17.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 52.979  | -6.0  | 122   | -0.02    |
| 29 T  | Tetrahydrofuran             | 250.000 | 215.222 | 13.9  | 101   | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 46.316  | 7.4#  | 110   | -0.01    |
| 31 T  | Cyclohexane                 | 50.000  | 44.663  | 10.7  | 100   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.232  | 3.5   | 111   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.129  | 9.7   | 110   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 60.689  | -21.4 | 124   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.422  | -10.8 | 107   | -0.01    |
| 37 T  | Ethyl Acetate               | 50.000  | 49.908  | 0.2   | 98    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 55.059  | -10.1 | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.499  | 11.0  | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 57.824  | -15.6 | 113   | -0.01    |
| 41 T  | Methacrylonitrile           | 50.000  | 60.144  | -20.3 | 113   | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 57.694  | -15.4 | 117   | -0.01    |
| 43 T  | Isopropyl Acetate           | 50.000  | 50.203  | -0.4  | 99    | -0.01    |
| 44 TM | Trichloroethene             | 50.000  | 47.733  | 4.5   | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.407  | 3.2#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 51.930  | -3.9  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 53.490  | -7.0  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.278  | -2.6  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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 | 1021.643 | -2.2  | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.858   | 0.3   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 241.985  | 3.2   | 95    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.125   | 3.8#  | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 52.527   | -5.1  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 51.090   | -2.2  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 48.713   | 2.6   | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.587   | 2.8   | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.821   | 2.4   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 247.323  | 1.1   | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 240.921  | 3.6   | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.215   | -2.4  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.910   | 0.2   | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 56.400   | -12.8 | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.413   | 7.2   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.686   | 6.6   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.277   | -0.6  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.428   | 3.1#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 95.928   | 4.1   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.147   | 3.7   | 93    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.278   | 1.4   | 96    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 50.406   | -0.8  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 54.466   | -8.9  | 108   | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 48.246   | 3.5   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 53.369   | -6.7  | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 56.776   | -13.6 | 113   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 56.251   | -12.5 | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 54.130   | -8.3  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.249   | 1.5   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.639   | 0.7   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 56.613   | -13.2 | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.662   | 4.7   | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.660   | 8.7   | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.429   | 3.1   | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 46.005   | 8.0   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 47.470   | 5.1   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.190   | 5.6   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.453   | 7.1   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 44.596   | 10.8  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.095   | -0.2  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.080   | 3.8   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 48.700   | 2.6   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.100   | 9.8   | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 41.627   | 16.7  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.778   | 8.4   | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 45.765 | 8.5  | 92    | 0.00     |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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   | 114   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.510 | 0.440 | 13.7  | 93    | 0.00     |
| 3 P   | Chloromethane               | 0.288 | 0.260 | 9.7   | 109   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.665 | 0.635 | 4.5#  | 109   | 0.00     |
| 5 T   | Bromomethane                | 0.240 | 0.250 | -4.2  | 118   | 0.00     |
| 6 T   | Chloroethane                | 0.395 | 0.378 | 4.3   | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.019 | 0.953 | 6.5   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.368 | 0.381 | -3.5  | 124   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.573 | 0.569 | 0.7   | 111   | 0.00     |
| 10 T  | Methyl Iodide               | 2.304 | 1.840 | 20.1  | 96    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.055 | 0.046 | 16.4  | 98    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.582 | 0.593 | -1.9# | 117   | 0.00     |
| 13 T  | Acrolein                    | 0.115 | 0.117 | -1.7  | 119   | 0.00     |
| 14 T  | Allyl chloride              | 0.986 | 0.816 | 17.2  | 100   | 0.00     |
| 15 T  | Acrylonitrile               | 0.251 | 0.207 | 17.5  | 96    | 0.00     |
| 16 T  | Acetone                     | 0.163 | 0.156 | 4.3   | 112   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.669 | 1.411 | 15.5  | 96    | 0.00     |
| 18 T  | Methyl Acetate              | 0.545 | 0.458 | 16.0  | 106   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.864 | 1.651 | 11.4  | 107   | 0.00     |
| 20 T  | Methylene Chloride          | 0.628 | 0.543 | 13.5  | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.618 | 0.522 | 15.5  | 98    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.017 | 1.767 | 12.4  | 102   | -0.01    |
| 23 T  | Vinyl Acetate               | 1.373 | 1.234 | 10.1  | 106   | -0.01    |
| 24 P  | 1,1-Dichloroethane          | 1.145 | 0.990 | 13.5  | 102   | 0.00     |
| 25 T  | 2-Butanone                  | 0.260 | 0.218 | 16.2  | 97    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.986 | 0.883 | 10.4  | 106   | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.738 | 0.611 | 17.2  | 98    | 0.00     |
| 28 T  | Bromochloromethane          | 0.519 | 0.550 | -6.0  | 122   | -0.02    |
| 29 T  | Tetrahydrofuran             | 0.185 | 0.160 | 13.5  | 101   | -0.01    |
| 30 C  | Chloroform                  | 1.178 | 1.091 | 7.4#  | 110   | -0.01    |
| 31 T  | Cyclohexane                 | 0.994 | 0.888 | 10.7  | 100   | -0.01    |
| 32 T  | 1,1,1-Trichloroethane       | 1.040 | 1.003 | 3.6   | 111   | -0.01    |
| 33 S  | 1,2-Dichloroethane-d4       | 0.719 | 0.649 | 9.7   | 110   | -0.01    |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.285 | 0.346 | -21.4 | 124   | -0.01    |
| 36 T  | 1,1-Dichloropropene         | 0.479 | 0.531 | -10.9 | 107   | -0.01    |
| 37 T  | Ethyl Acetate               | 0.408 | 0.407 | 0.2   | 98    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.553 | 0.609 | -10.1 | 107   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.616 | 0.548 | 11.0  | 81    | 0.00     |
| 40 TM | Benzene                     | 1.462 | 1.691 | -15.7 | 113   | -0.01    |
| 41 T  | Methacrylonitrile           | 0.205 | 0.247 | -20.5 | 113   | -0.02    |
| 42 TM | 1,2-Dichloroethane          | 0.515 | 0.594 | -15.3 | 117   | -0.01    |
| 43 T  | Isopropyl Acetate           | 0.673 | 0.676 | -0.4  | 99    | -0.01    |
| 44 TM | Trichloroethene             | 0.383 | 0.366 | 4.4   | 94    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.365 | 0.354 | 3.0#  | 96    | 0.00     |
| 46 T  | Dibromomethane              | 0.256 | 0.266 | -3.9  | 104   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.543 | 0.581 | -7.0  | 106   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.328 | 0.337 | -2.7  | 99    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048445.D  
 Acq On : 03 Nov 2025 09:14  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 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                 | 0.004 | 0.004 | 0.0   | 95    | 0.00     |
| 50 S  | Toluene-d8                  | 1.258 | 1.255 | 0.2   | 101   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.375 | 0.363 | 3.2   | 95    | 0.00     |
| 52 CM | Toluene                     | 0.914 | 0.880 | 3.7#  | 93    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.492 | 0.517 | -5.1  | 103   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.531 | 0.542 | -2.1  | 102   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.331 | 0.322 | 2.7   | 97    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.484 | 0.471 | 2.7   | 94    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.573 | 0.560 | 2.3   | 97    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.251 | 0.285 | -13.5 | 100   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.244 | 0.235 | 3.7   | 92    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.409 | 0.419 | -2.4  | 101   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.342 | 0.342 | 0.0   | 99    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.471 | 0.531 | -12.7 | 117   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.403 | 0.374 | 7.2   | 94    | 0.00     |
| 65 PM | Chlorobenzene               | 1.152 | 1.076 | 6.6   | 94    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.392 | 0.394 | -0.5  | 100   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.940 | 1.879 | 3.1#  | 95    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.734 | 0.704 | 4.1   | 92    | 0.00     |
| 69 T  | o-Xylene                    | 0.702 | 0.676 | 3.7   | 93    | 0.00     |
| 70 T  | Styrene                     | 1.189 | 1.172 | 1.4   | 96    | 0.00     |
| 71 P  | Bromoform                   | 0.283 | 0.286 | -1.1  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 73 T  | Isopropylbenzene            | 3.698 | 4.029 | -9.0  | 108   | 0.00     |
| 74 T  | N-amyl acetate              | 1.319 | 1.273 | 3.5   | 95    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.937 | 1.000 | -6.7  | 110   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.719 | 0.817 | -13.6 | 113   | 0.00     |
| 77 T  | Bromobenzene                | 0.914 | 1.028 | -12.5 | 116   | 0.00     |
| 78 T  | n-propylbenzene             | 4.371 | 4.732 | -8.3  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.624 | 2.585 | 1.5   | 100   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.032 | 3.010 | 0.7   | 97    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.208 | 0.235 | -13.0 | 116   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.085 | 2.941 | 4.7   | 97    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.086 | 2.818 | 8.7   | 90    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.002 | 2.907 | 3.2   | 95    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.846 | 3.538 | 8.0   | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.251 | 3.087 | 5.0   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.745 | 1.647 | 5.6   | 100   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.777 | 1.651 | 7.1   | 99    | 0.00     |
| 89 T  | n-Butylbenzene              | 3.052 | 2.723 | 10.8  | 88    | 0.00     |
| 90 T  | Hexachloroethane            | 0.571 | 0.572 | -0.2  | 99    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.617 | 1.555 | 3.8   | 100   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.183 | 0.179 | 2.2   | 98    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 1.116 | 1.006 | 9.9   | 93    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.468 | 0.390 | 16.7  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 2.818 | 2.580 | 8.4   | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048445.D  
Acq On : 03 Nov 2025 09:14  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 04 00:07:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 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 | 1.013 | 0.928 | 8.4  | 92    | 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>REMI02</u>                |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3495</u>                 |
| Instrument ID:      | <u>MSVOA_Y</u>    | Calibration Date/Time: | <u>10/30/2025 09:09</u>      |
| Lab File ID:        | <u>VY023620.D</u> | Init. Calib. Date(s):  | <u>10/07/2025 10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:17 12:32</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)             |

| COMPOUND                       | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 0.360 | 0.303  |         | -15.83 | 20    |
| Chloromethane                  | 0.490 | 0.436  | 0.1     | -11.02 | 20    |
| Vinyl Chloride                 | 0.639 | 0.588  |         | -7.98  | 20    |
| Bromomethane                   | 0.536 | 0.474  |         | -11.57 | 20    |
| Chloroethane                   | 0.435 | 0.429  |         | -1.38  | 20    |
| Trichlorofluoromethane         | 0.887 | 0.867  |         | -2.26  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.460 | 0.498  |         | 8.26   | 20    |
| 1,1-Dichloroethene             | 0.446 | 0.450  |         | 0.9    | 20    |
| Acetone                        | 0.100 | 0.114  |         | 14     | 20    |
| Carbon Disulfide               | 1.277 | 1.196  |         | -6.34  | 20    |
| Methyl tert-butyl Ether        | 1.072 | 1.141  |         | 6.44   | 20    |
| Methyl Acetate                 | 0.261 | 0.335  |         | 28.35  | 20    |
| Methylene Chloride             | 0.538 | 0.526  |         | -2.23  | 20    |
| trans-1,2-Dichloroethene       | 0.491 | 0.523  |         | 6.52   | 20    |
| 1,1-Dichloroethane             | 0.796 | 0.880  | 0.1     | 10.55  | 20    |
| Cyclohexane                    | 0.696 | 0.681  |         | -2.15  | 20    |
| 2-Butanone                     | 0.122 | 0.129  |         | 5.74   | 20    |
| Carbon Tetrachloride           | 0.493 | 0.554  |         | 12.37  | 20    |
| cis-1,2-Dichloroethene         | 0.567 | 0.626  |         | 10.41  | 20    |
| Bromochloromethane             | 0.297 | 0.290  |         | -2.36  | 20    |
| Chloroform                     | 0.875 | 0.986  |         | 12.69  | 20    |
| 1,1,1-Trichloroethane          | 0.795 | 0.874  |         | 9.94   | 20    |
| Methylcyclohexane              | 0.530 | 0.559  |         | 5.47   | 20    |
| Benzene                        | 1.288 | 1.457  |         | 13.12  | 20    |
| 1,2-Dichloroethane             | 0.332 | 0.373  |         | 12.35  | 20    |
| Trichloroethene                | 0.377 | 0.410  |         | 8.75   | 20    |
| 1,2-Dichloropropane            | 0.285 | 0.332  |         | 16.49  | 20    |
| Bromodichloromethane           | 0.453 | 0.524  |         | 15.67  | 20    |
| 4-Methyl-2-Pentanone           | 0.166 | 0.189  |         | 13.85  | 20    |
| Toluene                        | 0.836 | 0.960  |         | 14.83  | 20    |
| t-1,3-Dichloropropene          | 0.394 | 0.445  |         | 12.94  | 20    |
| cis-1,3-Dichloropropene        | 0.465 | 0.532  |         | 14.41  | 20    |
| 1,1,2-Trichloroethane          | 0.242 | 0.277  |         | 14.46  | 20    |
| 2-Hexanone                     | 0.119 | 0.135  |         | 13.44  | 20    |
| Dibromochloromethane           | 0.339 | 0.387  |         | 14.16  | 20    |
| 1,2-Dibromoethane              | 0.231 | 0.257  |         | 11.26  | 20    |
| Tetrachloroethene              | 0.516 | 0.576  |         | 11.63  | 20    |
| Chlorobenzene                  | 1.087 | 1.232  | 0.3     | 13.34  | 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>REMI02</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q3495</u>                        |
| Instrument ID:      | <u>MSVOA_Y</u>    | Calibration Date/Time: | <u>10/30/2025</u> <u>09:09</u>      |
| Lab File ID:        | <u>VY023620.D</u> | Init. Calib. Date(s):  | <u>10/07/2025</u> <u>10/07/2025</u> |
| Heated Purge: (Y/N) | <u>Y</u>          | Init. Calib. Time(s):  | <u>09:17</u> <u>12:32</u>           |
| GC Column:          | <u>RXI-624</u>    | ID:                    | <u>0.25</u> (mm)                    |

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.760 | 2.073  |            | 17.78 | 20    |
| m/p-Xylenes                 | 0.706 | 0.832  |            | 17.85 | 20    |
| o-Xylene                    | 0.662 | 0.774  |            | 16.92 | 20    |
| Styrene                     | 1.089 | 1.309  |            | 20.2  | 20    |
| Bromoform                   | 0.240 | 0.266  | 0.1        | 10.83 | 20    |
| Isopropylbenzene            | 3.295 | 3.804  |            | 15.45 | 20    |
| 1,1,2,2-Tetrachloroethane   | 0.539 | 0.587  | 0.3        | 8.9   | 20    |
| 1,3-Dichlorobenzene         | 1.706 | 1.881  |            | 10.26 | 20    |
| 1,4-Dichlorobenzene         | 1.685 | 1.842  |            | 9.32  | 20    |
| 1,2-Dichlorobenzene         | 1.496 | 1.633  |            | 9.16  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.088 | 0.090  |            | 2.27  | 20    |
| 1,2,4-Trichlorobenzene      | 0.932 | 0.962  |            | 3.22  | 20    |
| 1,2,3-Trichlorobenzene      | 0.808 | 0.817  |            | 1.11  | 20    |
| 1,2-Dichloroethane-d4       | 0.418 | 0.409  |            | -2.15 | 20    |
| Dibromofluoromethane        | 0.307 | 0.319  |            | 3.91  | 20    |
| Toluene-d8                  | 1.144 | 1.180  |            | 3.15  | 20    |
| 4-Bromofluorobenzene        | 0.378 | 0.397  |            | 5.03  | 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\_Y\Data\VY103025\  
 Data File : VY023620.D  
 Acq On : 30 Oct 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/31/2025  
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:33:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 476273     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 677359     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 596160     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 319486     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 194738     | 48.896   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.800%  |        |          |
| 35) Dibromofluoromethane     | 7.640          | 113  | 216331     | 51.977   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 103.960% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 799605     | 51.588   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 103.180% |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 268776     | 52.523   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 105.040% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 144546     | 42.164   | ug/l   | 98       |
| 3) Chloromethane             | 2.074          | 50   | 207622     | 44.458   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.208          | 62   | 279830     | 46.004   | ug/l   | 100      |
| 5) Bromomethane              | 2.598          | 94   | 225818     | 44.239   | ug/l   | 97       |
| 6) Chloroethane              | 2.739          | 64   | 204162     | 49.240   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 412785     | 48.875   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.458          | 74   | 111000     | 50.297   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 3.818          | 101  | 237102     | 54.100   | ug/l   | 98       |
| 10) Methyl Iodide            | 4.007          | 142  | 277197     | 56.814   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.860          | 59   | 76519      | 258.259  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 214522     | 50.494   | ug/l   | 96       |
| 13) Acrolein                 | 3.659          | 56   | 19962      | 47.681   | ug/l   | 97       |
| 14) Allyl chloride           | 4.385          | 41   | 276363     | 53.376   | ug/l   | 99       |
| 15) Acrylonitrile            | 5.061          | 53   | 223914     | 265.122  | ug/l   | 100      |
| 16) Acetone                  | 3.866          | 43   | 272045     | 286.923  | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.110          | 76   | 569832     | 46.863   | ug/l   | 99       |
| 18) Methyl Acetate           | 4.385          | 43   | 159416     | 64.095   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 543386     | 53.216   | ug/l   | 100      |
| 20) Methylene Chloride       | 4.616          | 84   | 250423     | 48.844   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 249092     | 53.254   | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.025          | 45   | 652087     | 56.936   | ug/l   | 97       |
| 23) Vinyl Acetate            | 5.964          | 43   | 1619023    | 261.167  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 418905     | 55.217   | ug/l   | 99       |
| 25) 2-Butanone               | 6.896          | 43   | 308109     | 266.176  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 392162     | 56.335   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 297957     | 55.147   | ug/l   | 98       |
| 28) Bromochloromethane       | 7.250          | 49   | 137996     | 48.725   | ug/l   | 94       |
| 29) Tetrahydrofuran          | 7.262          | 42   | 168150     | 256.168  | ug/l   | 100      |
| 30) Chloroform               | 7.421          | 83   | 469571     | 56.336   | ug/l   | 98       |
| 31) Cyclohexane              | 7.707          | 56   | 324303     | 48.950   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 416488     | 54.984   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.835          | 75   | 308877     | 56.056   | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.988          | 43   | 112515     | 51.542   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 375303     | 56.172   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.109          | 83   | 378393     | 52.743   | ug/l   | 95       |
| 40) Benzene                  | 8.085          | 78   | 986871     | 56.554   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023620.D  
 Acq On : 30 Oct 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

MSVOA\_Y

## ClientSampleId :

VSTDCCC050

## Manual Integrations

## APPROVED

Reviewed By :Amit Patel 10/31/2025

Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:33:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Quant Title : SW846 8260

QLast Update : Wed Oct 08 05:12:50 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 56389    | 47.762  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 252557   | 56.119  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 8.201  | 43   | 227810   | 52.336  | ug/l   | 98       |
| 44) Trichloroethene           | 8.872  | 130  | 278050   | 54.440  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 224668   | 58.290  | ug/l   | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 136398   | 55.965  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.426  | 83   | 355124   | 57.855  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.225  | 41   | 111390   | 54.471  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 27653    | 978.609 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 640982   | 285.011 | ug/l   | 99       |
| 52) Toluene                   | 10.170 | 92   | 650543   | 57.417  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 301599   | 56.509  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 360617   | 57.248  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 187378   | 57.173  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 216514   | 57.271  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 297993   | 57.379  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 461417   | 272.450 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 458343   | 285.178 | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 262340   | 57.093  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 174366   | 55.785  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.652 | 164  | 343582   | 55.816  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 734181   | 56.623  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 265987   | 57.566  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 1235582  | 58.870  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 991978   | 117.835 | ug/l   | 98       |
| 69) o-Xylene                  | 11.956 | 106  | 461292   | 58.420  | ug/l   | 98       |
| 70) Styrene                   | 11.969 | 104  | 780192   | 60.085  | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 158369   | 55.256  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 1215315  | 57.722  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 196138   | 51.865  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 187426   | 54.427  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.560 | 75   | 147495m  | 52.327  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 303647   | 54.248  | ug/l   | 96       |
| 78) n-propylbenzene           | 12.597 | 91   | 1433132  | 58.821  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 818527   | 57.369  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 1005252  | 59.085  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 61166    | 53.212  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 851937   | 57.978  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 907974   | 57.800  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 989725   | 58.289  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 1318625  | 58.517  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 1126025  | 58.690  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 601083   | 55.146  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 588374   | 54.656  | ug/l   | 100      |
| 89) n-Butylbenzene            | 13.615 | 91   | 982880   | 58.794  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 231387   | 56.073  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 521851   | 54.609  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 28854    | 51.066  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 307425   | 51.603  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 197947   | 53.302  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 474724   | 50.041  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 261118   | 50.602  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023620.D  
Acq On : 30 Oct 2025 09:09  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/31/2025  
Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:33:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

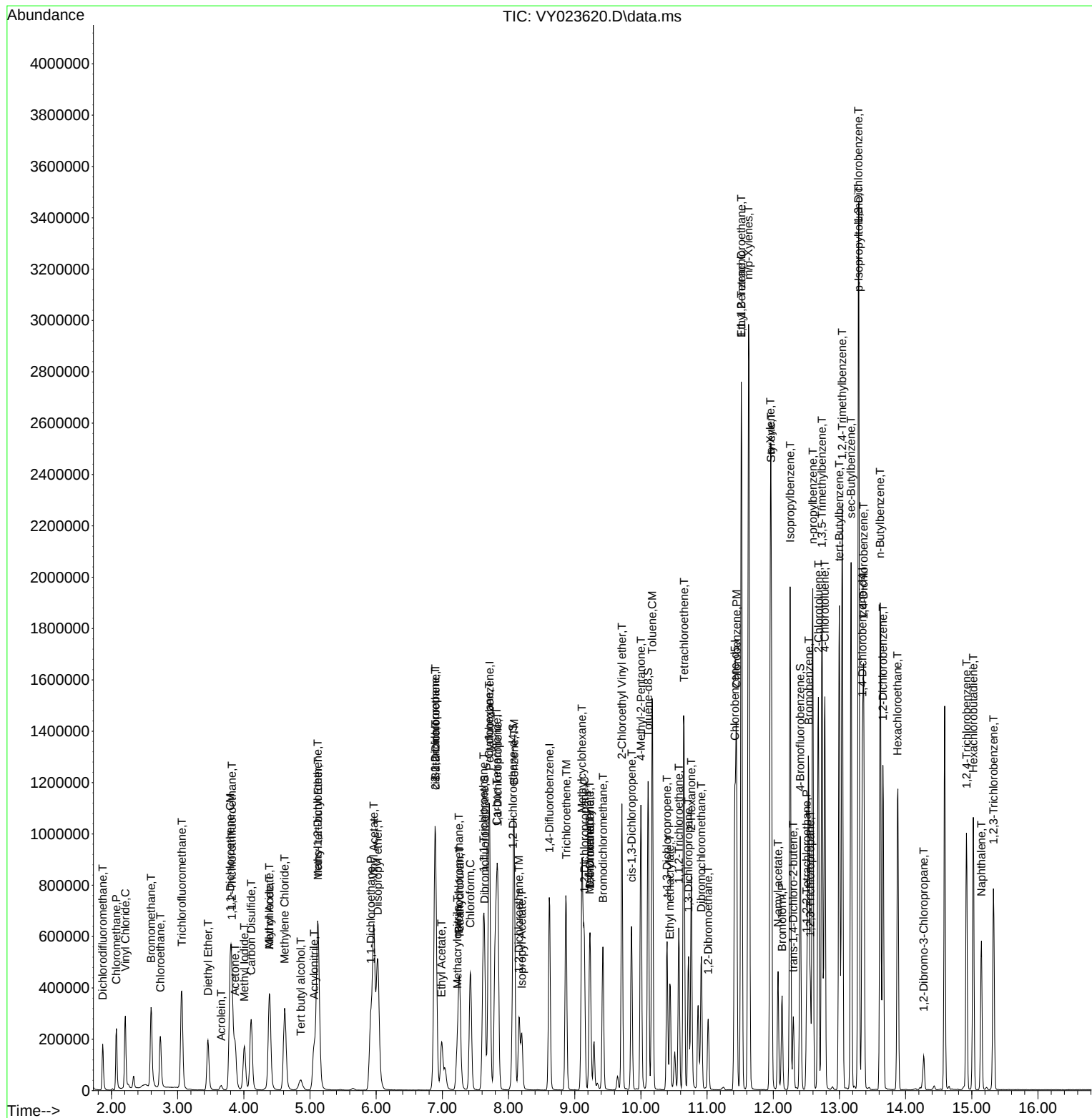
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/31/2025  
Supervised By :Mahesh Dadoda 10/31/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023620.D  
 Acq On : 30 Oct 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 02:33:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.360 | 0.303 | 15.8   | 76    | 0.00     |
| 3 P   | Chloromethane               | 0.490 | 0.436 | 11.0   | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.639 | 0.588 | 8.0#   | 79    | 0.00     |
| 5 T   | Bromomethane                | 0.536 | 0.474 | 11.6   | 82    | 0.00     |
| 6 T   | Chloroethane                | 0.435 | 0.429 | 1.4    | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.887 | 0.867 | 2.3    | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 0.232 | 0.233 | -0.4   | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.460 | 0.498 | -8.3   | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 0.512 | 0.582 | -13.7  | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.031 | 0.032 | -3.2   | 104   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.446 | 0.450 | -0.9#  | 85    | 0.00     |
| 13 T  | Acrolein                    | 0.044 | 0.008 | 81.8#  | 16#   | 0.01     |
| 14 T  | Allyl chloride              | 0.544 | 0.580 | -6.6   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 0.089 | 0.094 | -5.6   | 93    | 0.00     |
| 16 T  | Acetone                     | 0.100 | 0.114 | -14.0  | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.277 | 1.196 | 6.3    | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 0.261 | 0.335 | -28.4# | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 1.072 | 1.141 | -6.4   | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 0.538 | 0.526 | 2.2    | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.491 | 0.523 | -6.5   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 1.202 | 1.369 | -13.9  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 0.651 | 0.680 | -4.5   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 0.796 | 0.880 | -10.6  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 0.122 | 0.129 | -5.7   | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.731 | 0.823 | -12.6  | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.567 | 0.626 | -10.4  | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 0.297 | 0.290 | 2.4    | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.069 | 0.071 | -2.9   | 90    | 0.00     |
| 30 C  | Chloroform                  | 0.875 | 0.986 | -12.7# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 0.696 | 0.681 | 2.2    | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 0.795 | 0.874 | -9.9   | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.418 | 0.409 | 2.2    | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.307 | 0.319 | -3.9   | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.407 | 0.456 | -12.0  | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.161 | 0.166 | -3.1   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.493 | 0.554 | -12.4  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.530 | 0.559 | -5.5   | 84    | 0.00     |
| 40 TM | Benzene                     | 1.288 | 1.457 | -13.1  | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.087 | 0.083 | 4.6    | 82    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.332 | 0.373 | -12.3  | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.321 | 0.336 | -4.7   | 88    | 0.00     |
| 44 TM | Trichloroethene             | 0.377 | 0.410 | -8.8   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.285 | 0.332 | -16.5# | 96    | 0.00     |
| 46 T  | Dibromomethane              | 0.180 | 0.201 | -11.7  | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.453 | 0.524 | -15.7  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.151 | 0.164 | -8.6   | 88    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023620.D  
 Acq On : 30 Oct 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 02:33:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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                 | 0.002 | 0.002 | 0.0    | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 1.144 | 1.180 | -3.1   | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.166 | 0.189 | -13.9  | 94    | 0.00     |
| 52 CM | Toluene                     | 0.836 | 0.960 | -14.8# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.394 | 0.445 | -12.9  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.465 | 0.532 | -14.4  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.242 | 0.277 | -14.5  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.279 | 0.320 | -14.7  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.383 | 0.440 | -14.9  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.125 | 0.136 | -8.8   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.119 | 0.135 | -13.4  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.339 | 0.387 | -14.2  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.231 | 0.257 | -11.3  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.378 | 0.397 | -5.0   | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.516 | 0.576 | -11.6  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 1.087 | 1.232 | -13.3  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.388 | 0.446 | -14.9  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.760 | 2.073 | -17.8# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.706 | 0.832 | -17.8  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 0.662 | 0.774 | -16.9  | 92    | 0.00     |
| 70 T  | Styrene                     | 1.089 | 1.309 | -20.2  | 94    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.266 | -10.8  | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 81    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.295 | 3.804 | -15.4  | 93    | 0.00     |
| 74 T  | N-amyl acetate              | 0.592 | 0.614 | -3.7   | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 0.539 | 0.587 | -8.9   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 0.441 | 0.462 | -4.8   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 0.876 | 0.950 | -8.4   | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 3.813 | 4.486 | -17.7  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.233 | 2.562 | -14.7  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 2.663 | 3.146 | -18.1  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.180 | 0.191 | -6.1   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 2.300 | 2.667 | -16.0  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 2.458 | 2.842 | -15.6  | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 2.657 | 3.098 | -16.6  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.527 | 4.127 | -17.0  | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.003 | 3.524 | -17.3  | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.706 | 1.881 | -10.3  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.685 | 1.842 | -9.3   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.616 | 3.076 | -17.6  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 0.646 | 0.724 | -12.1  | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.496 | 1.633 | -9.2   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.088 | 0.090 | -2.3   | 89    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.932 | 0.962 | -3.2   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.581 | 0.620 | -6.7   | 87    | 0.00     |
| 95 T  | Naphthalene                 | 1.485 | 1.486 | -0.1   | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023620.D  
Acq On : 30 Oct 2025 09:09  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 31 02:33:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 0.808 | 0.817 | -1.1 | 84    | 0.00     |

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023620.D  
 Acq On : 30 Oct 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 02:33:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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    | 81    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 42.164  | 15.7   | 76    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.458  | 11.1   | 78    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.004  | 8.0#   | 79    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 44.239  | 11.5   | 82    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.240  | 1.5    | 83    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.875  | 2.3    | 83    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 50.297  | -0.6   | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 54.100  | -8.2   | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 56.814  | -13.6  | 87    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 258.259 | -3.3   | 104   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.494  | -1.0#  | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 47.681  | 80.9#  | 16    | 0.01     |
| 14 T  | Allyl chloride              | 50.000  | 53.376  | -6.8   | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 265.122 | -6.0   | 93    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 286.923 | -14.8  | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.863  | 6.3    | 79    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 64.095  | -28.2# | 110   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.216  | -6.4   | 90    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 48.844  | 2.3    | 93    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 53.254  | -6.5   | 90    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 56.936  | -13.9  | 95    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 261.167 | -4.5   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 55.217  | -10.4  | 93    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 266.176 | -6.5   | 99    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 56.335  | -12.7  | 94    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 55.147  | -10.3  | 93    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.725  | 2.5    | 88    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 256.168 | -2.5   | 90    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 56.336  | -12.7# | 95    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.950  | 2.1    | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.984  | -10.0  | 92    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.896  | 2.2    | 84    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 79    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.977  | -4.0   | 84    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 56.056  | -12.1  | 90    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 51.542  | -3.1   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 56.172  | -12.3  | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 52.743  | -5.5   | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 56.554  | -13.1  | 91    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 47.762  | 4.5    | 82    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 56.119  | -12.2  | 93    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 52.336  | -4.7   | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 54.440  | -8.9   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 58.290  | -16.6# | 96    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 55.965  | -11.9  | 92    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 57.855  | -15.7  | 94    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.471  | -8.9   | 88    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023620.D  
 Acq On : 30 Oct 2025 09:09  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 LabSampleId :  
 VSTDCCC050

Quant Time: Oct 31 02:33:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 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 | 978.609 | 2.1    | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.588  | -3.2   | 82    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 285.011 | -14.0  | 94    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 57.417  | -14.8# | 92    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 56.509  | -13.0  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 57.248  | -14.5  | 92    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 57.173  | -14.3  | 94    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 57.271  | -14.5  | 90    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 57.379  | -14.8  | 93    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 272.450 | -9.0   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 285.178 | -14.1  | 96    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 57.093  | -14.2  | 93    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 55.785  | -11.6  | 91    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 52.523  | -5.0   | 86    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 80    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 55.816  | -11.6  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 56.623  | -13.2  | 93    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 57.566  | -15.1  | 95    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 58.870  | -17.7# | 93    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 117.835 | -17.8  | 92    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 58.420  | -16.8  | 92    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 60.085  | -20.2  | 94    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 55.256  | -10.5  | 92    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 81    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 57.722  | -15.4  | 93    | 0.00     |
| 74 T  | N-ethyl acetate             | 50.000   | 51.865  | -3.7   | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 54.427  | -8.9   | 96    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 52.327  | -4.7   | 87    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 54.248  | -8.5   | 92    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 58.821  | -17.6  | 94    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 57.369  | -14.7  | 94    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 59.085  | -18.2  | 95    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 53.212  | -6.4   | 92    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 57.978  | -16.0  | 95    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 57.800  | -15.6  | 92    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 58.289  | -16.6  | 93    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 58.517  | -17.0  | 94    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 58.690  | -17.4  | 93    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 55.146  | -10.3  | 92    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 54.656  | -9.3   | 92    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 58.794  | -17.6  | 93    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 56.073  | -12.1  | 94    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 54.609  | -9.2   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.066  | -2.1   | 89    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 51.603  | -3.2   | 85    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.302  | -6.6   | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.041  | -0.1   | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023620.D  
Acq On : 30 Oct 2025 09:09  
Operator : SY/MD  
Sample : VSTDCCC050  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
LabSampleId :  
VSTDCCC050

Quant Time: Oct 31 02:33:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 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 | 50.602 | -1.2 | 84    | 0.00     |

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



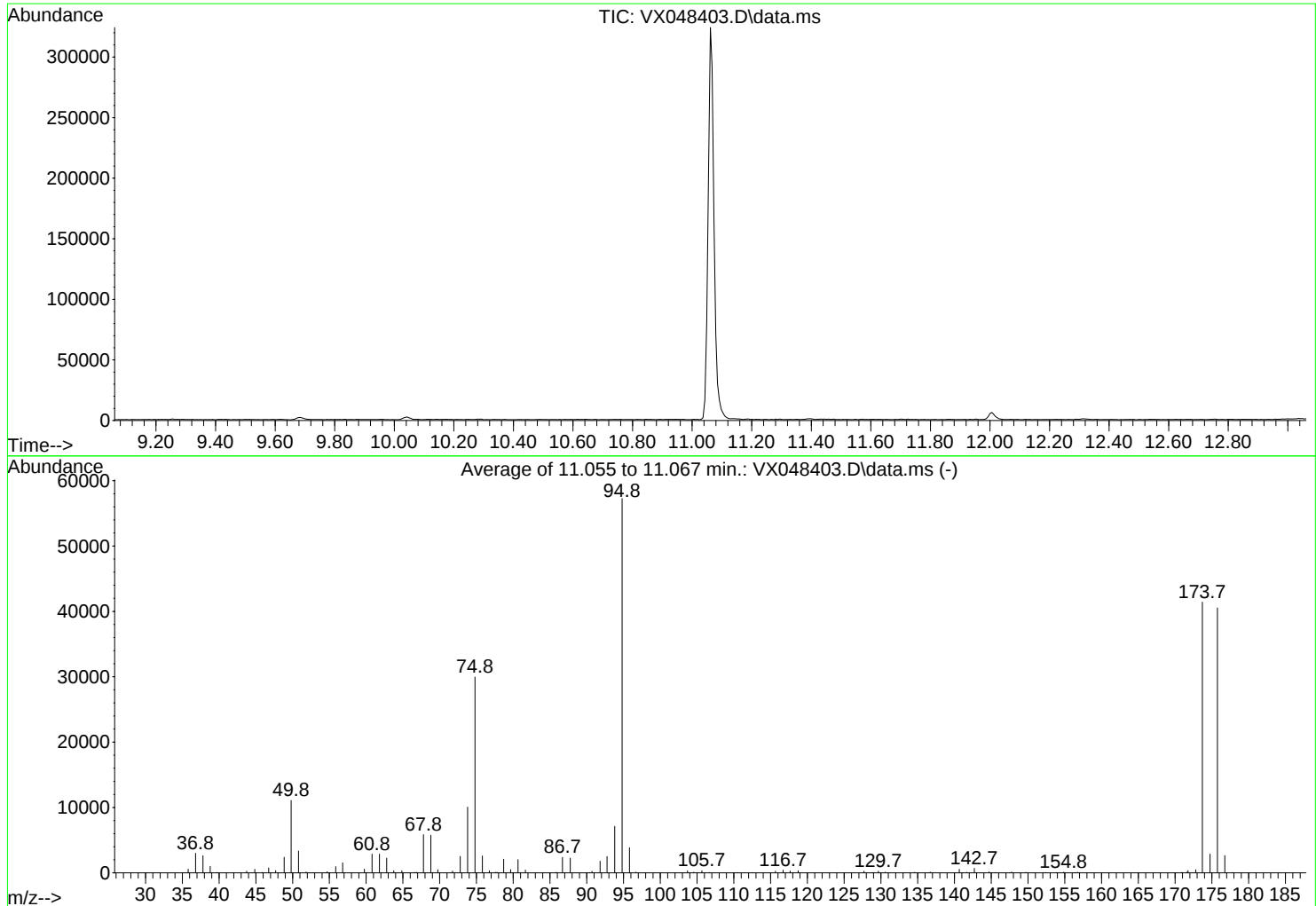
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102925\  
Data File : VX048403.D  
Acq On : 29 Oct 2025 08:39  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Title : SW846 8260  
Last Update : Thu Oct 30 02:37:17 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1629

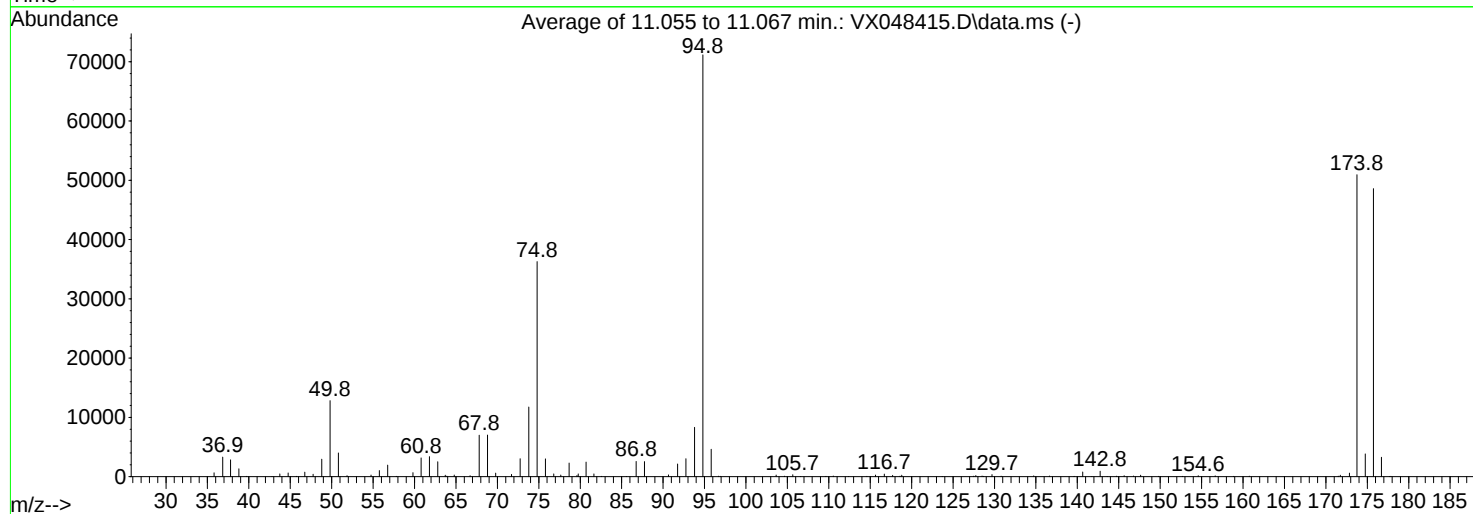
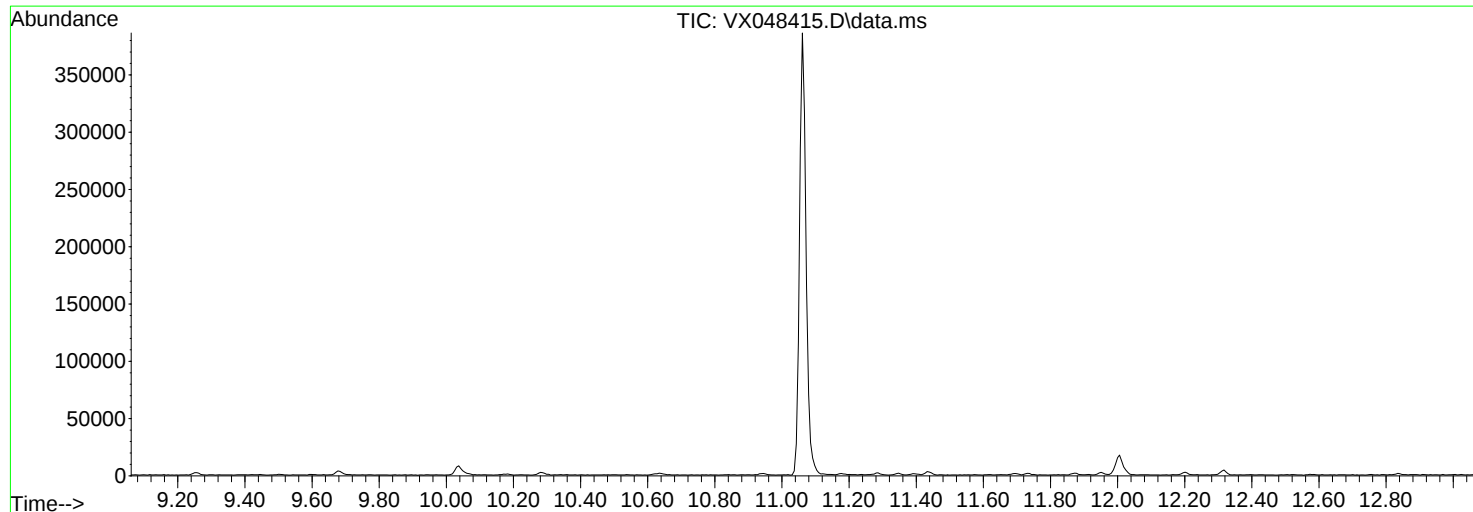
| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 19.4  | 11086 | PASS      |
| 75     | 95      | 30     | 60     | 52.3  | 29963 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 57264 | PASS      |
| 96     | 95      | 5      | 9      | 6.7   | 3850  | PASS      |
| 173    | 174     | 0.00   | 2      | 1.2   | 488   | PASS      |
| 174    | 95      | 50     | 100    | 72.3  | 41416 | PASS      |
| 175    | 174     | 5      | 9      | 6.9   | 2874  | PASS      |
| 176    | 174     | 95     | 101    | 97.9  | 40528 | PASS      |
| 177    | 176     | 5      | 9      | 6.5   | 2647  | PASS      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048415.D  
Acq On : 31 Oct 2025 08:06  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Title : SW846 8260  
Last Update : Thu Oct 30 02:37:17 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

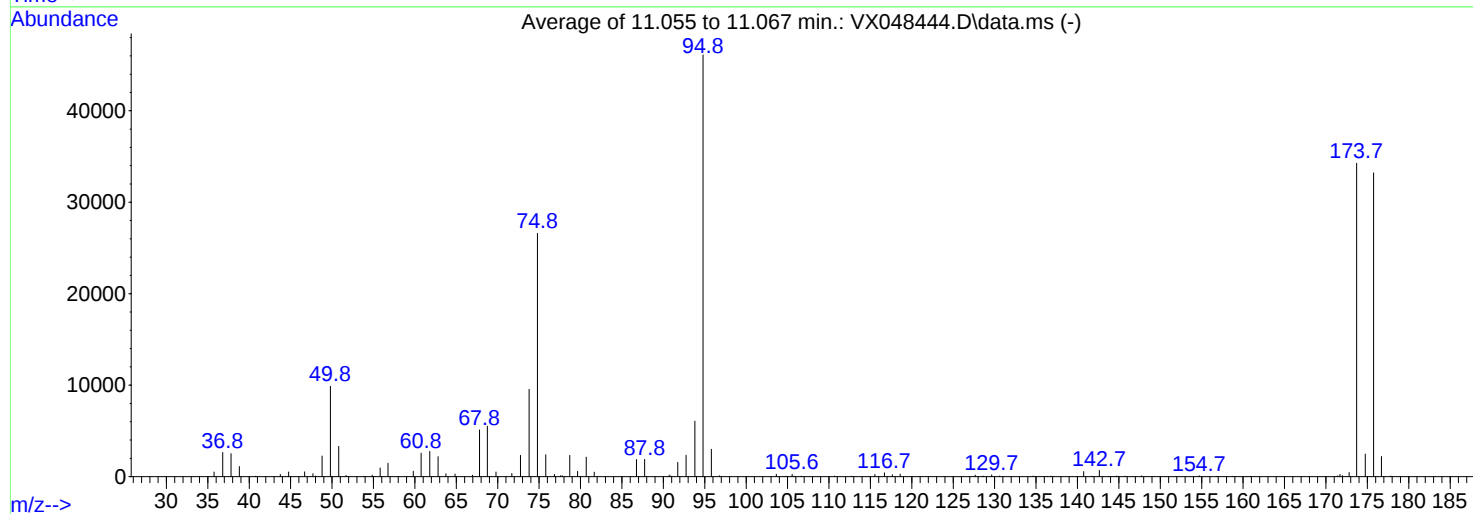
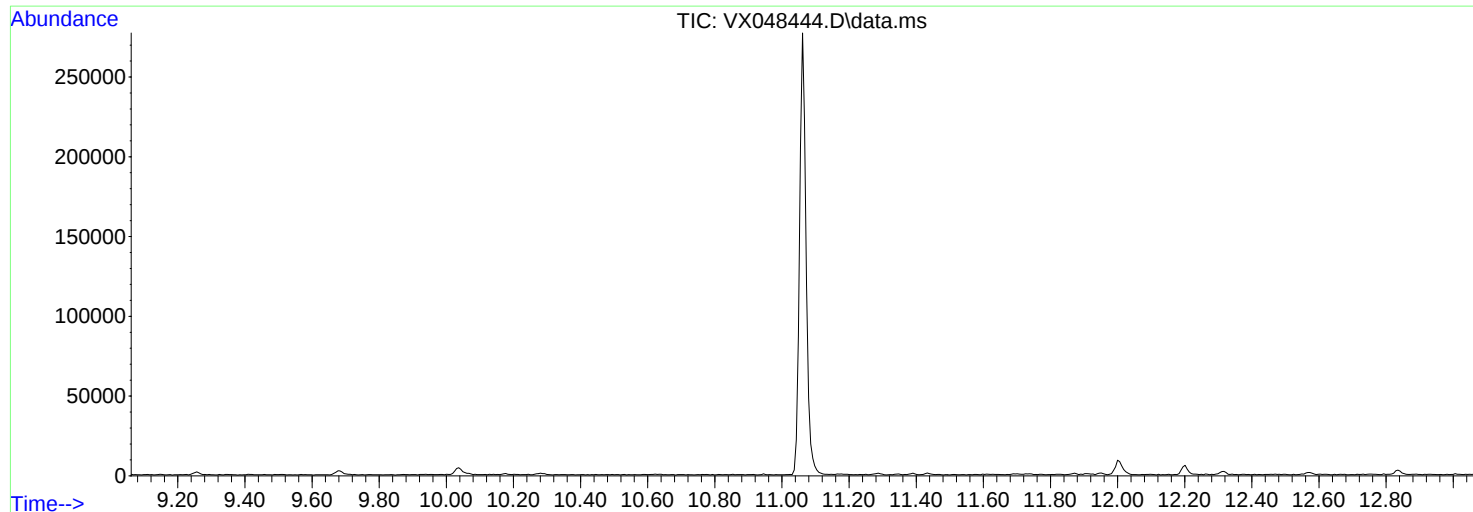
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 18.0         | 12819      | PASS                |
| 75             | 95              | 30              | 60              | 51.0         | 36275      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 71163      | PASS                |
| 96             | 95              | 5               | 9               | 6.5          | 4624       | PASS                |
| 173            | 174             | 0.00            | 2               | 1.2          | 605        | PASS                |
| 174            | 95              | 50              | 100             | 71.6         | 50933      | PASS                |
| 175            | 174             | 5               | 9               | 7.5          | 3829       | PASS                |
| 176            | 174             | 95              | 101             | 95.4         | 48581      | PASS                |
| 177            | 176             | 5               | 9               | 6.8          | 3283       | PASS                |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048444.D  
Acq On : 03 Nov 2025 08:20  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Title : SW846 8260  
Last Update : Thu Oct 30 02:37:17 2025



AutoFind: Scans 1635, 1636, 1637; Background Corrected with Scan 1628

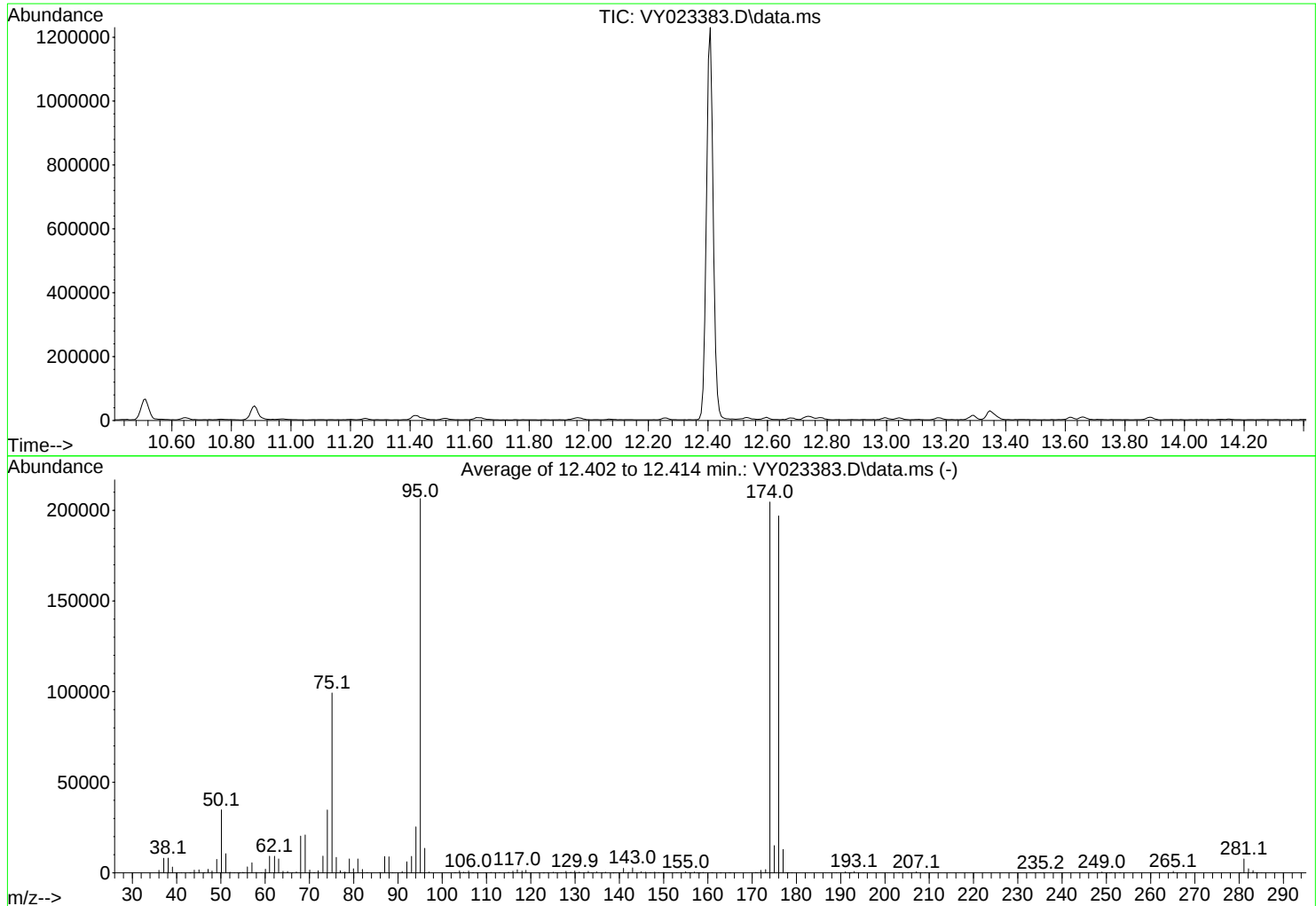
| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 21.4  | 9885  | PASS      |
| 75     | 95      | 30     | 60     | 57.7  | 26600 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 46112 | PASS      |
| 96     | 95      | 5      | 9      | 6.5   | 2992  | PASS      |
| 173    | 174     | 0.00   | 2      | 1.3   | 456   | PASS      |
| 174    | 95      | 50     | 100    | 74.3  | 34275 | PASS      |
| 175    | 174     | 5      | 9      | 7.2   | 2472  | PASS      |
| 176    | 174     | 95     | 101    | 96.9  | 33221 | PASS      |
| 177    | 176     | 5      | 9      | 6.6   | 2196  | PASS      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY100725\  
Data File : VY023383.D  
Acq On : 07 Oct 2025 08:43  
Operator : SY/MD  
Sample : BFB  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Title : SW846 8260  
Last Update : Wed Oct 08 05:12:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1743

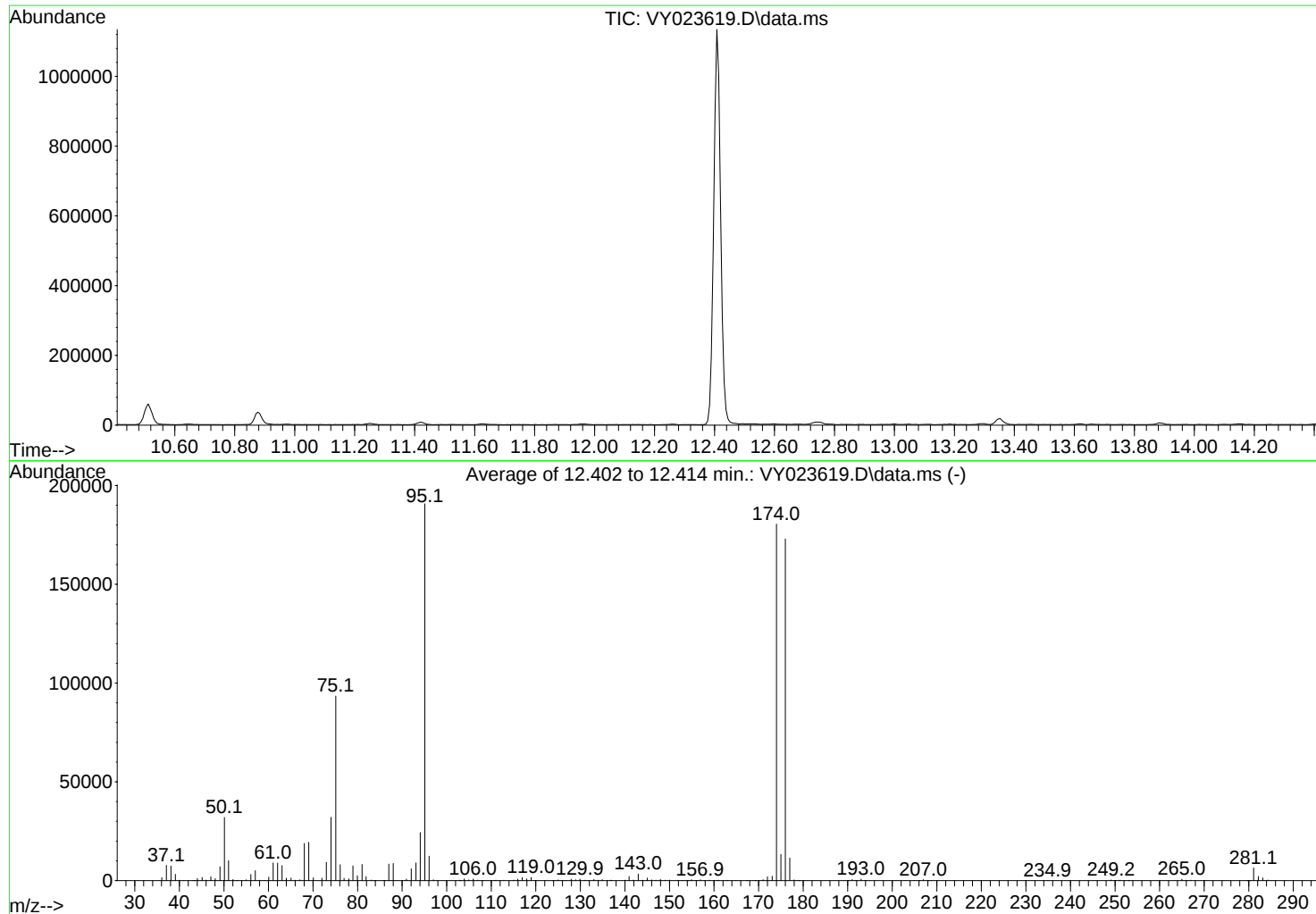
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 16.9         | 34816      | PASS                |
| 75             | 95              | 30              | 60              | 48.1         | 99264      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 206507     | PASS                |
| 96             | 95              | 5               | 9               | 6.6          | 13540      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.9          | 1817       | PASS                |
| 174            | 95              | 50              | 100             | 99.1         | 204629     | PASS                |
| 175            | 174             | 5               | 9               | 7.4          | 15059      | PASS                |
| 176            | 174             | 95              | 101             | 96.2         | 196949     | PASS                |
| 177            | 176             | 5               | 9               | 6.6          | 12912      | PASS                |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023619.D  
Acq On : 30 Oct 2025 08:39  
Operator : SY/MD  
Sample : BFB  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Title : SW846 8260  
Last Update : Wed Oct 08 05:12:50 2025



AutoFind: Scans 1752, 1753, 1754; Background Corrected with Scan 1744

| 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              | 16.8         | 31989      | PASS                |
| 75             | 95              | 30              | 60              | 49.0         | 93424      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 190763     | PASS                |
| 96             | 95              | 5               | 9               | 6.5          | 12415      | PASS                |
| 173            | 174             | 0.00            | 2               | 1.2          | 2229       | PASS                |
| 174            | 95              | 50              | 100             | 94.6         | 180501     | PASS                |
| 175            | 174             | 5               | 9               | 7.3          | 13251      | PASS                |
| 176            | 174             | 95              | 101             | 95.8         | 172949     | PASS                |
| 177            | 176             | 5               | 9               | 6.6          | 11425      | PASS                |

**Report of Analysis**

Client: Remington &amp; Vernick Engineers

Project: Maclearie Park

Client Sample ID: VX1031WBL01

Lab Sample ID: VX1031WBL01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

| 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  | 10/31/25 10:06 | VX103125 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 591-78-6       | 2-Hexanone                     | 0.89  | U    | 1  | 0.89  | 5.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 124-48-1       | Dibromochloromethane           | 0.18  | U    | 1  | 0.18  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 106-93-4       | 1,2-Dibromoethane              | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 127-18-4       | Tetrachloroethene              | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 108-90-7       | Chlorobenzene                  | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 100-41-4       | Ethyl Benzene                  | 0.13  | U    | 1  | 0.13  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 179601-23-1    | m/p-Xylenes                    | 0.24  | U    | 1  | 0.24  | 2.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 95-47-6        | o-Xylene                       | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 100-42-5       | Styrene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 75-25-2        | Bromoform                      | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |



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

## Report of Analysis

Client: Remington & Vernick Engineers  
Project: Maclearie Park  
Client Sample ID: VX1031WBL01  
Lab Sample ID: VX1031WBL01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3495  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 0.12  | U    | 1  | 0.12 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 0.26  | U    | 1  | 0.26 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 541-73-1   | 1,3-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 106-46-7   | 1,4-Dichlorobenzene         | 0.19  | U    | 1  | 0.19 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 95-50-1    | 1,2-Dichlorobenzene         | 0.16  | U    | 1  | 0.16 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 0.53  | U    | 1  | 0.53 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 0.20  | U    | 1  | 0.20 | 1.00       | ug/L  | 10/31/25 10:06 | VX103125 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.9 |  |  | 74 - 125 | 108% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 50.7 |  |  | 75 - 124 | 101% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 48.6 |  |  | 86 - 113 | 97%  | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 57.6 |  |  | 77 - 121 | 115% | SPK: 50 |

### INTERNAL STANDARDS

| INTERNAL STANDARDS |                        | Area Count |
|--------------------|------------------------|------------|
| 363-72-4           | Pentafluorobenzene     | 110000     |
| 540-36-3           | 1,4-Difluorobenzene    | 221000     |
| 3114-55-4          | Chlorobenzene-d5       | 230000     |
| 3855-82-1          | 1,4-Dichlorobenzene-d4 | 120000     |

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\_X\Data\VX103125\  
 Data File : VX048418.D  
 Acq On : 31 Oct 2025 10:06  
 Operator : JC/MD  
 Sample : VX1031WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBL01

Quant Time: Oct 31 22:59:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.537  | 168  | 109923   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.745  | 114  | 221003   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 229713   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 119652   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 85260    | 53.933   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 107.860% |
| 35) Dibromofluoromethane    | 5.373  | 113   | 63824    | 50.653   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.300% |
| 50) Toluene-d8              | 8.634  | 98    | 270510   | 48.635   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 97.260%  |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 119942   | 57.646   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 115.300% |

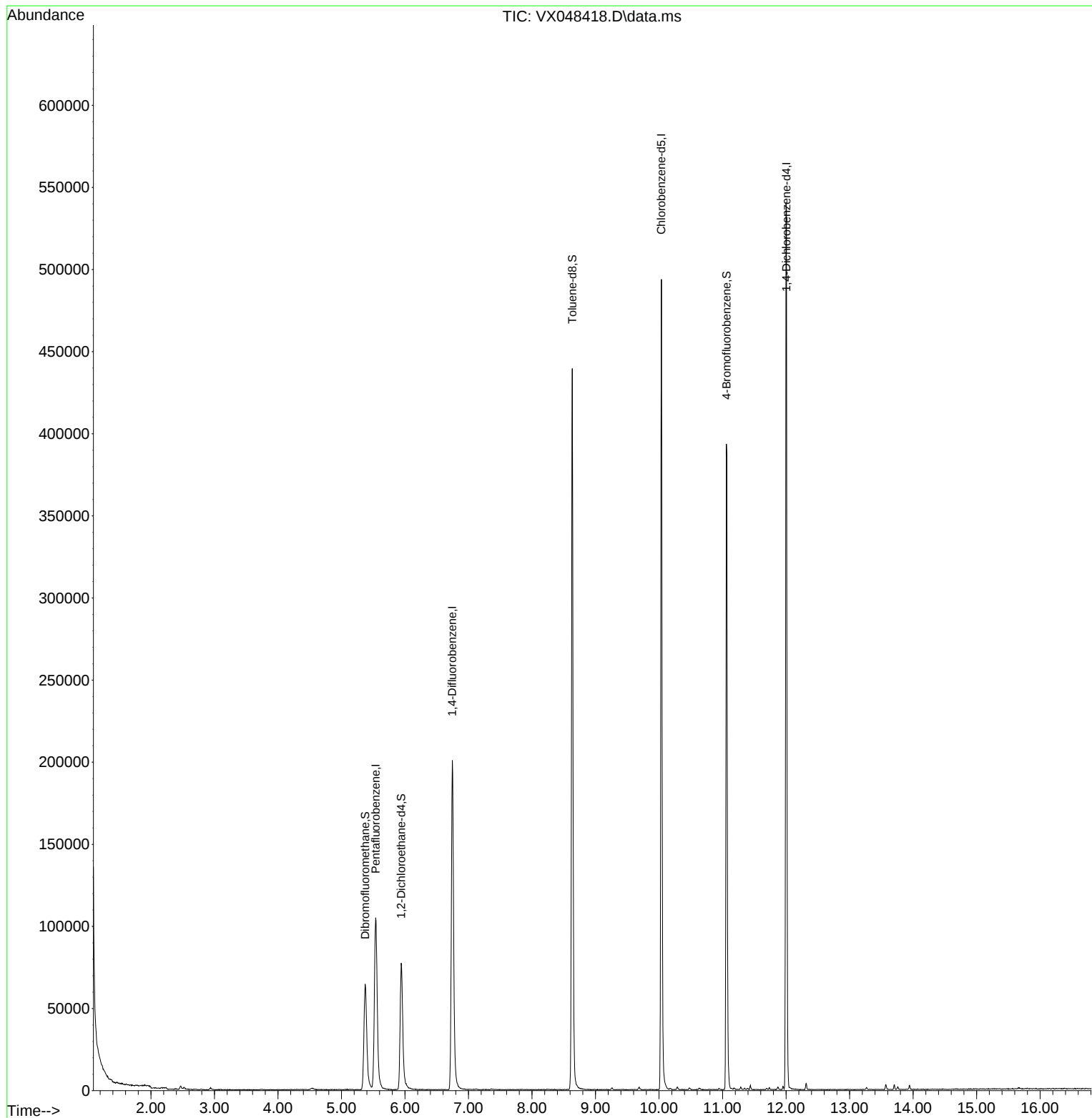
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

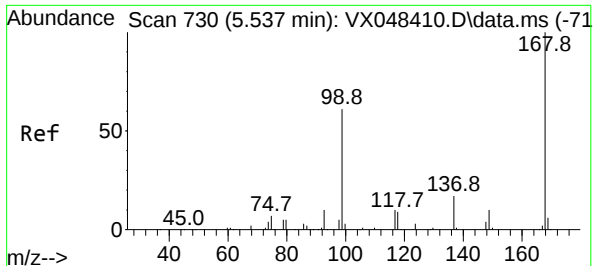
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048418.D  
Acq On : 31 Oct 2025 10:06  
Operator : JC/MD  
Sample : VX1031WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBL01

Quant Time: Oct 31 22:59:48 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

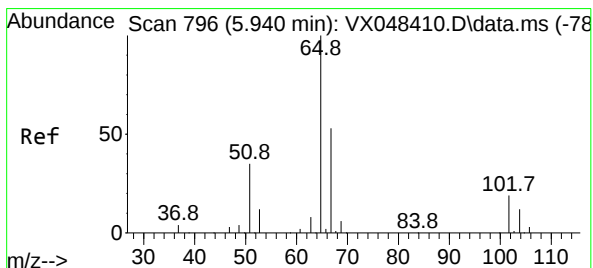
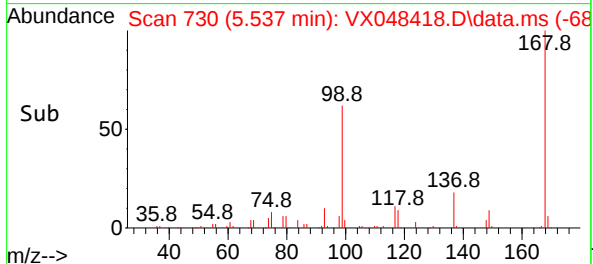
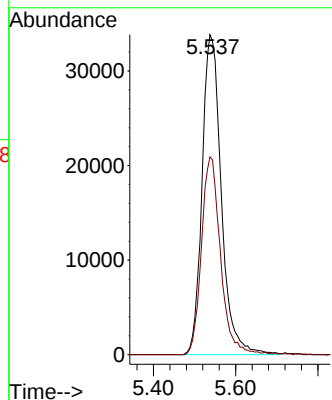
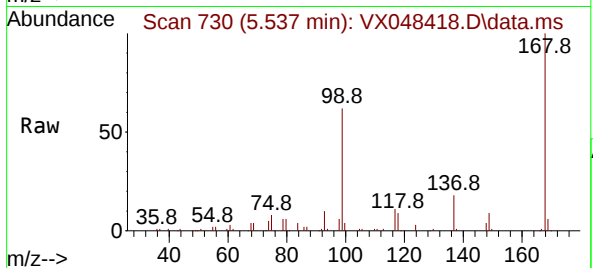




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. 0.000 min  
Lab File: VX048418.D  
Acq: 31 Oct 2025 10:06

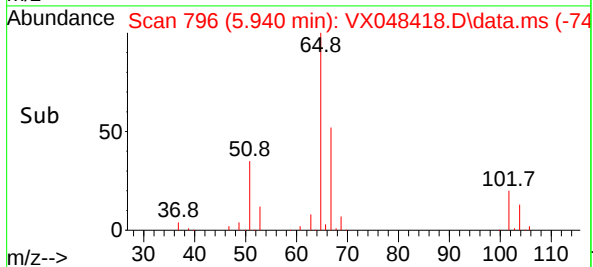
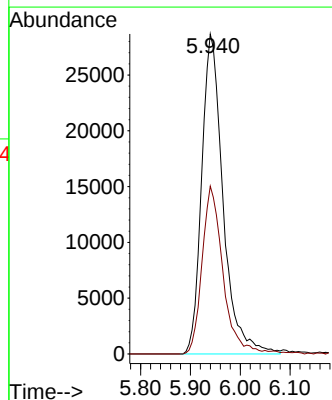
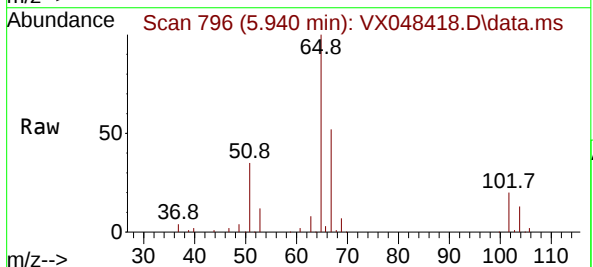
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBL01

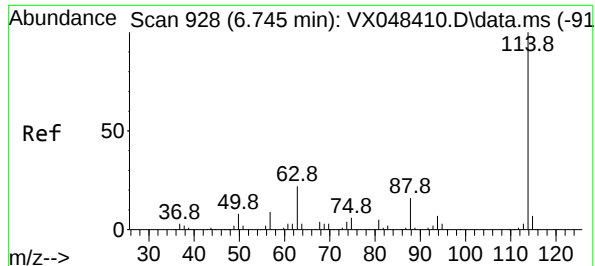
Tgt Ion:168 Resp: 109923  
Ion Ratio Lower Upper  
168 100  
99 61.8 46.4 69.6



#33  
1,2-Dichloroethane-d4  
Concen: 53.933 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. -0.000 min  
Lab File: VX048418.D  
Acq: 31 Oct 2025 10:06

Tgt Ion: 65 Resp: 85260  
Ion Ratio Lower Upper  
65 100  
67 51.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048418.D

Acq: 31 Oct 2025 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1031WBL01

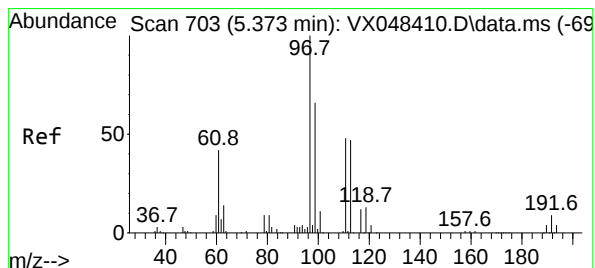
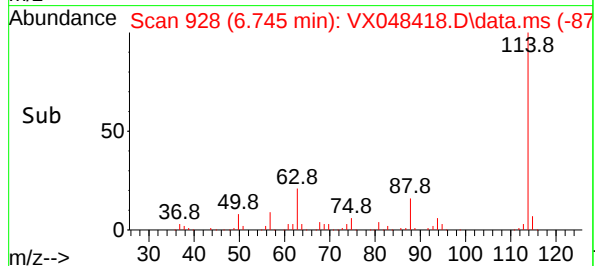
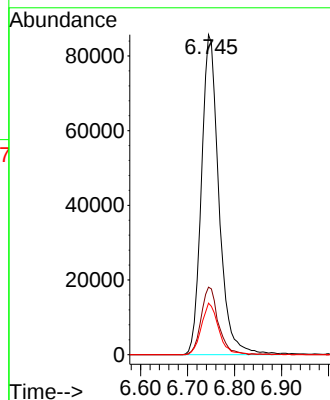
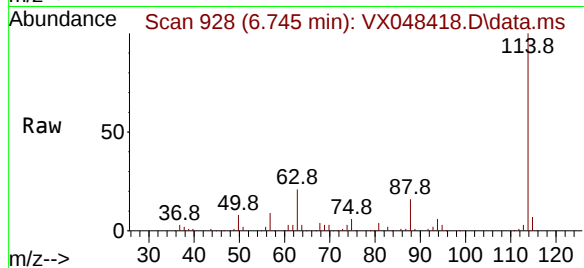
Tgt Ion:114 Resp: 221003

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 16.1 0.0 33.6



#35

Dibromofluoromethane

Concen: 50.653 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048418.D

Acq: 31 Oct 2025 10:06

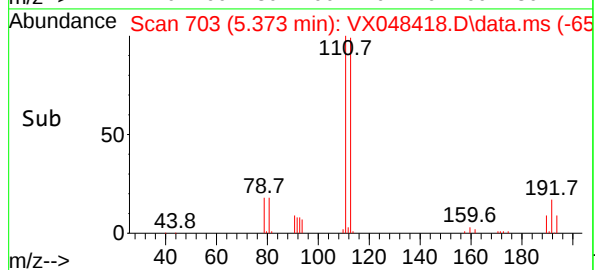
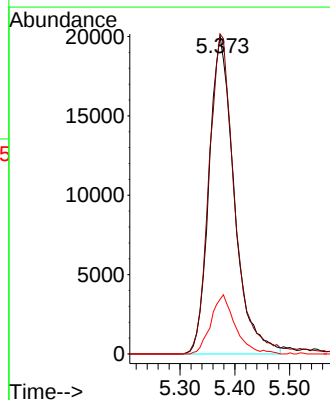
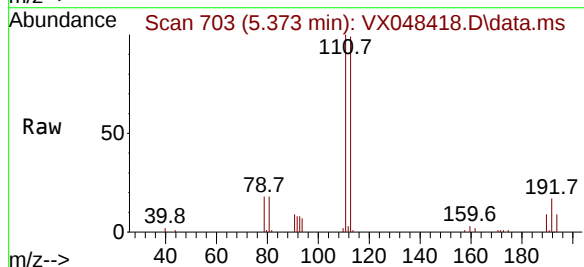
Tgt Ion:113 Resp: 63824

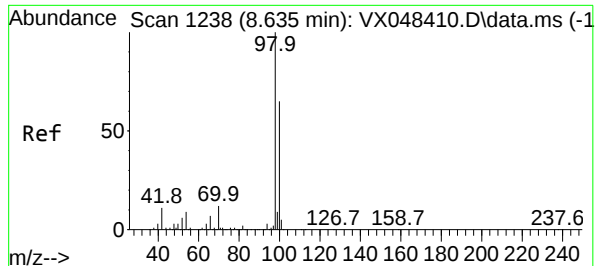
Ion Ratio Lower Upper

113 100

111 102.1 82.2 123.4

192 18.0 15.1 22.7





#50

Toluene-d8

Concen: 48.635 ug/l

RT: 8.634 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048418.D

Acq: 31 Oct 2025 10:06

Instrument :

MSVOA\_X

ClientSampleId :

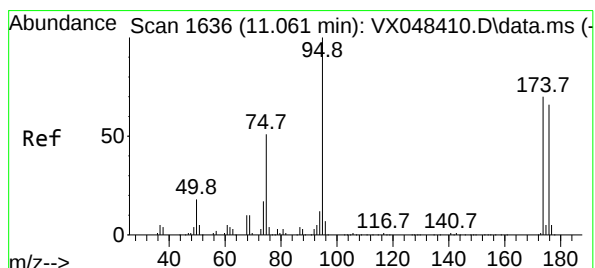
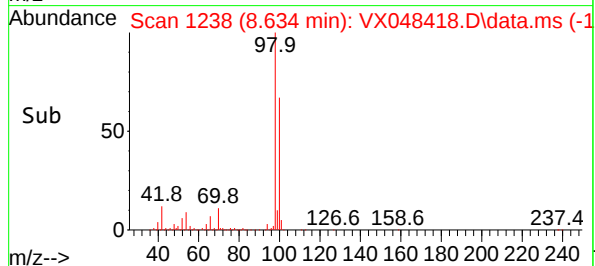
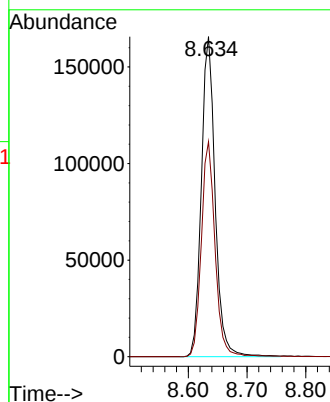
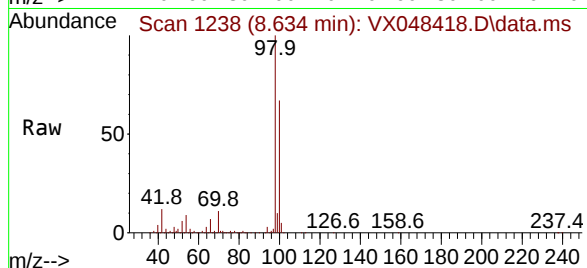
VX1031WBL01

Tgt Ion: 98 Resp: 270510

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 57.646 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048418.D

Acq: 31 Oct 2025 10:06

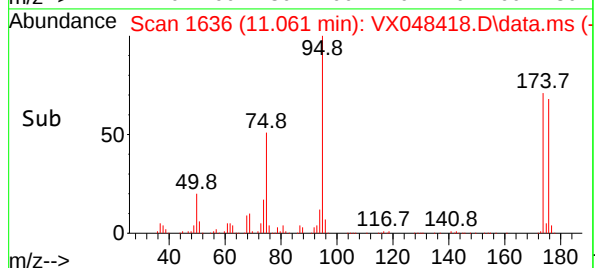
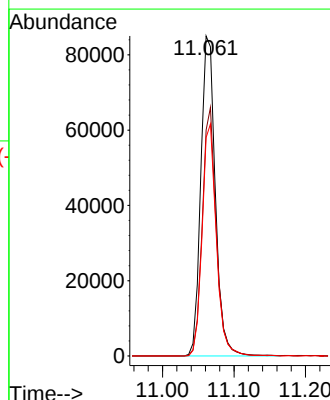
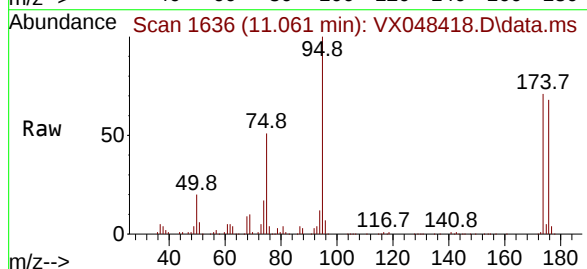
Tgt Ion: 95 Resp: 119942

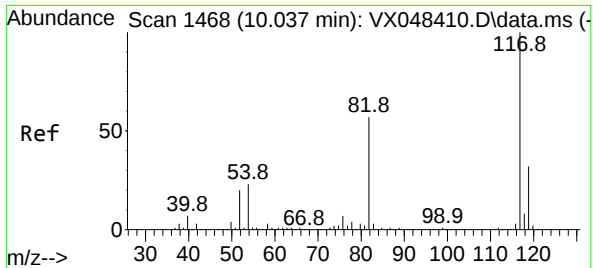
Ion Ratio Lower Upper

95 100

174 74.9 0.0 147.8

176 70.9 0.0 142.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048418.D

Acq: 31 Oct 2025 10:06

Instrument :

MSVOA\_X

ClientSampleId :

VX1031WBL01

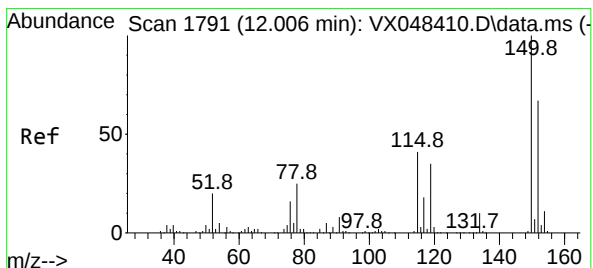
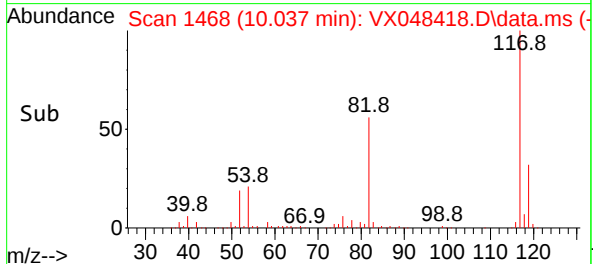
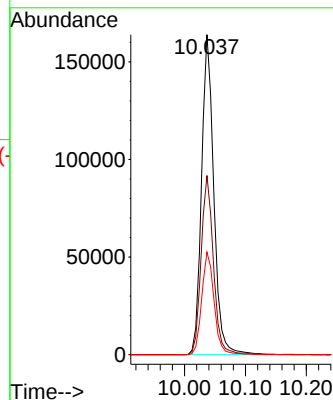
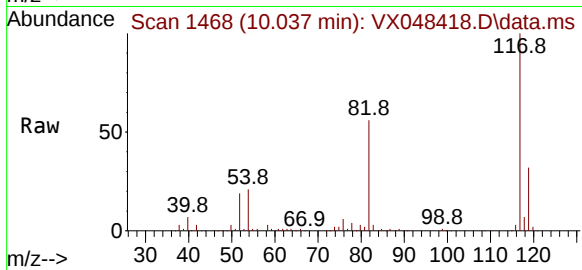
Tgt Ion:117 Resp: 229713

Ion Ratio Lower Upper

117 100

82 56.0 46.5 69.7

119 32.1 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048418.D

Acq: 31 Oct 2025 10:06

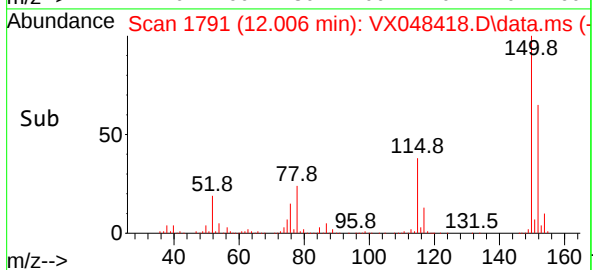
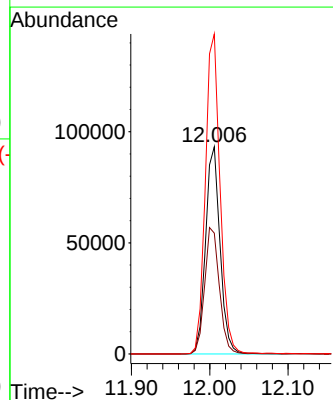
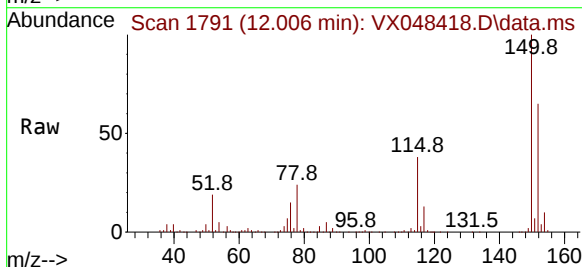
Tgt Ion:152 Resp: 119652

Ion Ratio Lower Upper

152 100

115 62.1 43.1 129.4

150 156.4 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048418.D  
Acq On : 31 Oct 2025 10:06  
Operator : JC/MD  
Sample : VX1031WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Title : SW846 8260

Signal : TIC: VX048418.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.373       | 692           | 703         | 719          | rBV2     | 64419          | 206653        | 28.29%          | 5.180%        |
| 2         | 5.537       | 720           | 730         | 749          | rVB      | 104056         | 327330        | 44.81%          | 8.206%        |
| 3         | 5.940       | 786           | 796         | 815          | rBV      | 76979          | 227778        | 31.19%          | 5.710%        |
| 4         | 6.745       | 915           | 928         | 949          | rBV      | 200557         | 513974        | 70.37%          | 12.884%       |
| 5         | 8.634       | 1229          | 1238        | 1254         | rBV      | 439136         | 730407        | 100.00%         | 18.310%       |
| 6         | 10.037      | 1462          | 1468        | 1488         | rBV      | 493365         | 700400        | 95.89%          | 17.558%       |
| 7         | 11.061      | 1631          | 1636        | 1647         | rBV      | 393157         | 556846        | 76.24%          | 13.959%       |
| 8         | 12.000      | 1785          | 1790        | 1798         | rBV      | 539795         | 725707        | 99.36%          | 18.192%       |

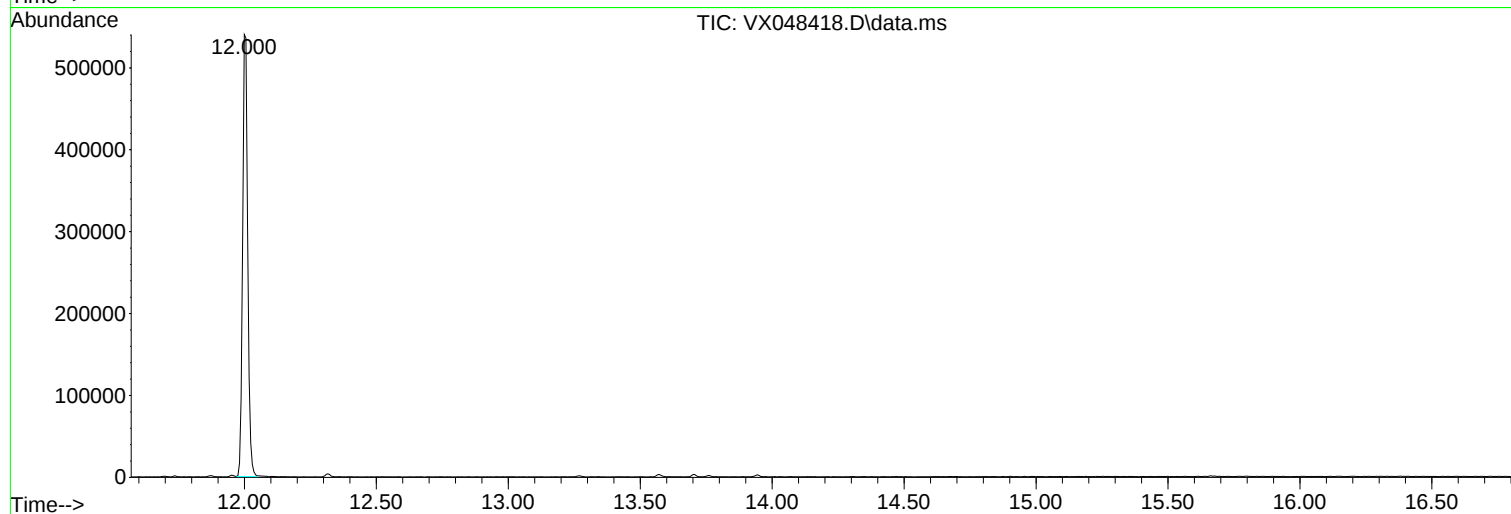
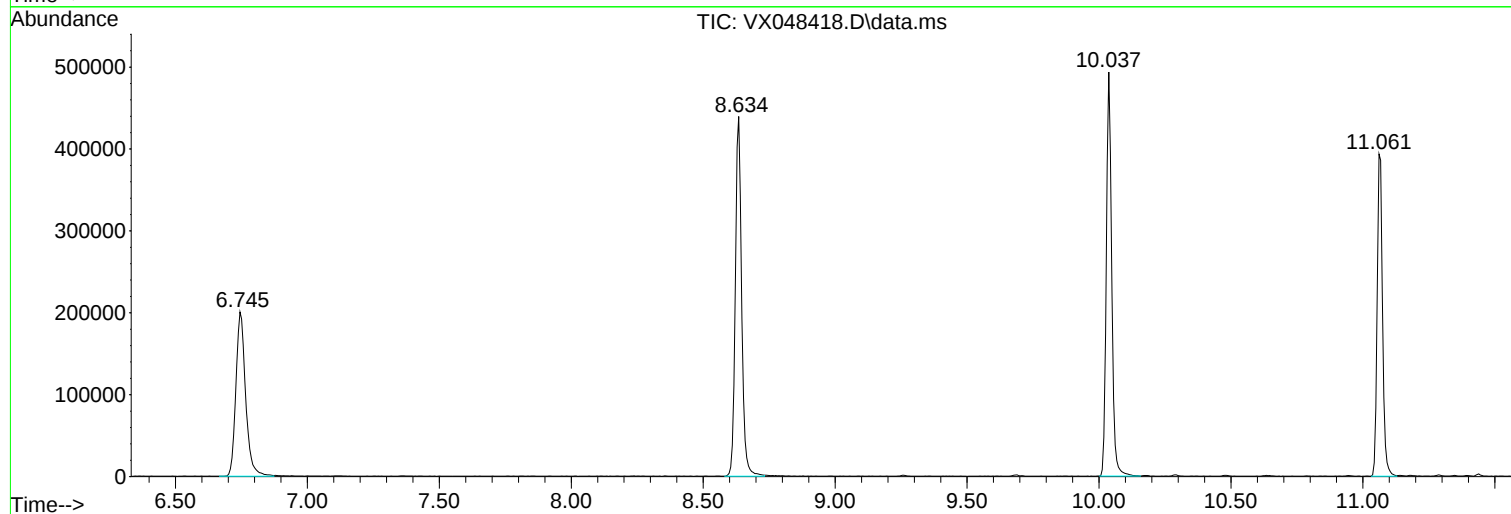
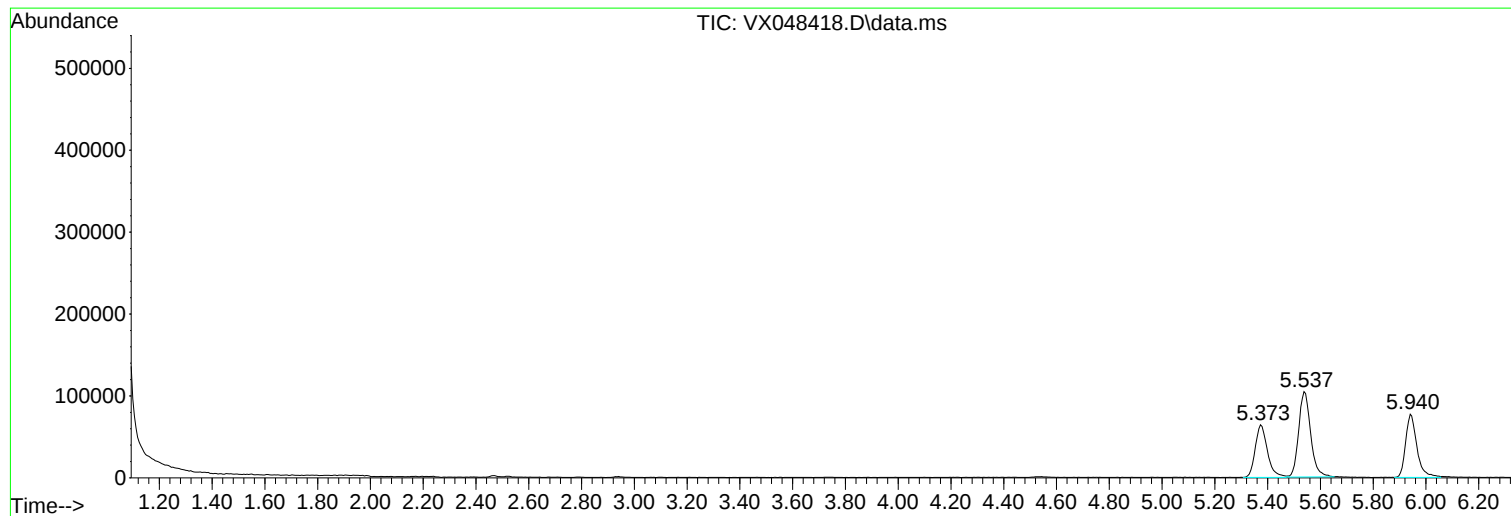
Sum of corrected areas: 3989095

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048418.D  
Acq On : 31 Oct 2025 10:06  
Operator : JC/MD  
Sample : VX1031WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048418.D  
Acq On : 31 Oct 2025 10:06  
Operator : JC/MD  
Sample : VX1031WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048418.D  
Acq On : 31 Oct 2025 10:06  
Operator : JC/MD  
Sample : VX1031WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

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

**Report of Analysis**

Client: Remington &amp; Vernick Engineers

Project: Maclearie Park

Client Sample ID: VX1103WBL01

Lab Sample ID: VX1103WBL01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

| 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  | 11/03/25 11:25 | VX110325 |
| 74-87-3        | Chloromethane                  | 0.32  | U    | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 0.26  | U    | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 74-83-9        | Bromomethane                   | 1.40  | U    | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-00-3        | Chloroethane                   | 0.47  | U    | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 0.33  | U    | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 67-64-1        | Acetone                        | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 0.27  | U    | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-09-2        | Methylene Chloride             | 0.28  | U    | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 110-82-7       | Cyclohexane                    | 1.50  | U    | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 78-93-3        | 2-Butanone                     | 0.98  | U    | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 74-97-5        | Bromochloromethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 67-66-3        | Chloroform                     | 0.25  | U    | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 71-43-2        | Benzene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 79-01-6        | Trichloroethene                | 0.090 | U    | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 0.20  | U    | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 0.22  | U    | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.68  | U    | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-88-3       | Toluene                        | 0.14  | U    | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.17  | U    | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.16  | U    | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.21  | U    | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 0.89  | U    | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 0.18  | U    | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 0.23  | U    | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 0.13  | U    | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 0.24  | U    | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 95-47-6        | o-Xylene                       | 0.12  | U    | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 100-42-5       | Styrene                        | 0.15  | U    | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |
| 75-25-2        | Bromoform                      | 0.19  | U    | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 11:25 | VX110325 |

### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: VX1103WBL01  
 Lab Sample ID: VX1103WBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 0.12              | U    | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.26              | U    | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.19              | U    | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.16              | U    | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.53              | U    | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.20              | U    | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 11:25 | VX110325 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.7              |      |    | 74 - 125 | 105%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 59.8              |      |    | 75 - 124 | 120%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 45.5              |      |    | 86 - 113 | 91%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.3              |      |    | 77 - 121 | 97%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 160000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 268000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 290000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 117000            |      |    |          |            |         |                |          |

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\_X\Data\VX110325\  
 Data File : VX048447.D  
 Acq On : 03 Nov 2025 11:25  
 Operator : JC/MD  
 Sample : VX1103WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBL01

Quant Time: Nov 04 00:08:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.532  | 168   | 160467   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.739  | 114   | 268071   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.037 | 117   | 290044   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.006 | 152   | 117306   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.934  | 65    | 121597   | 52.690   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 105.380% |          |
| 35) Dibromofluoromethane    | 5.367  | 113   | 91442    | 59.830   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 119.660% |          |
| 50) Toluene-d8              | 8.629  | 98    | 306638   | 45.451   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 90.900%# |          |
| 62) 4-Bromofluorobenzene    | 11.061 | 95    | 122008   | 48.343   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 96.680%  |          |

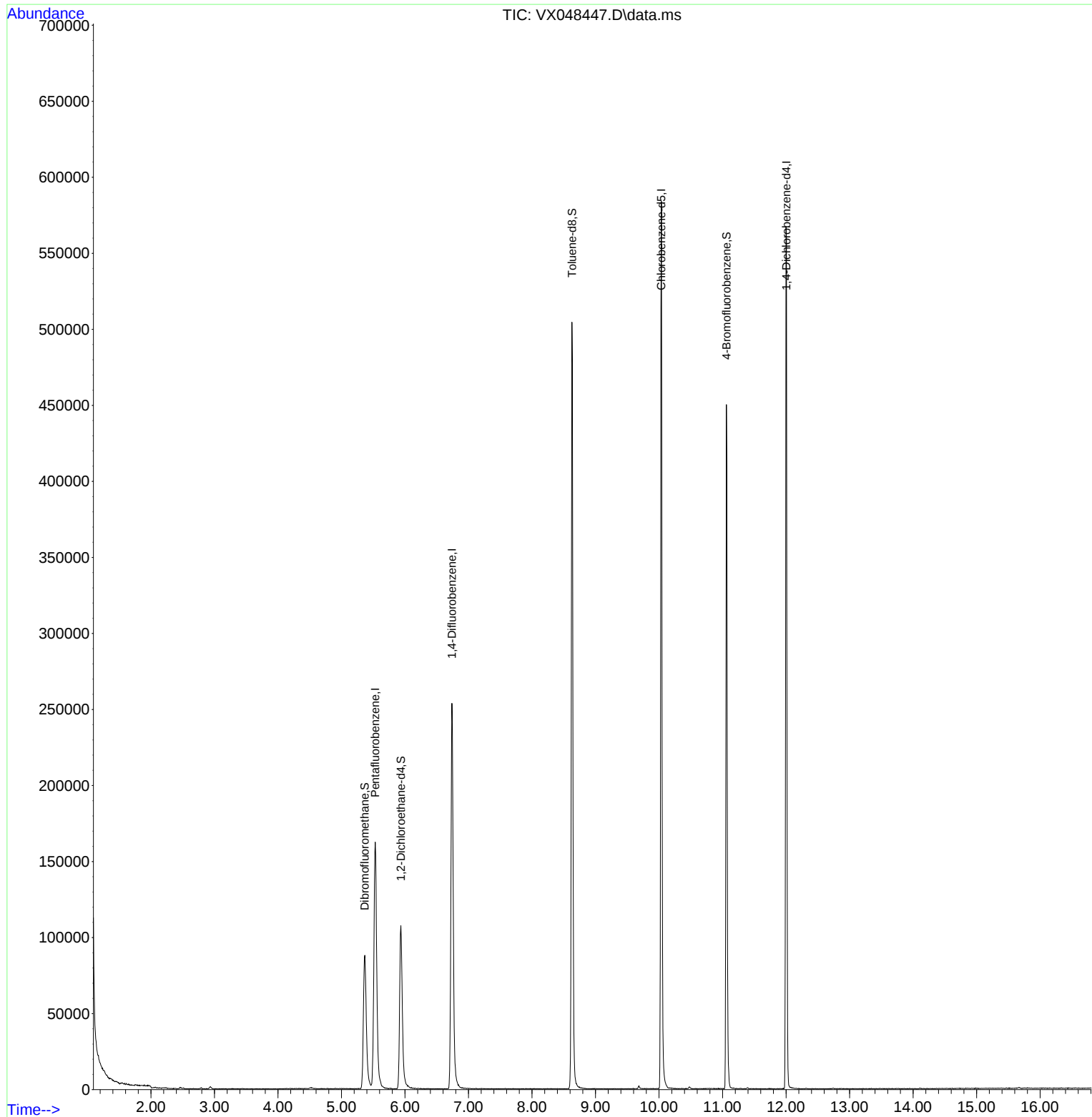
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

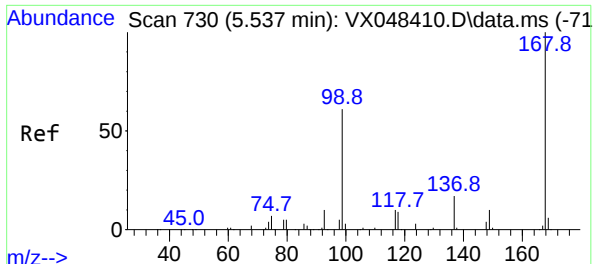
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Time: Nov 04 00:08:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

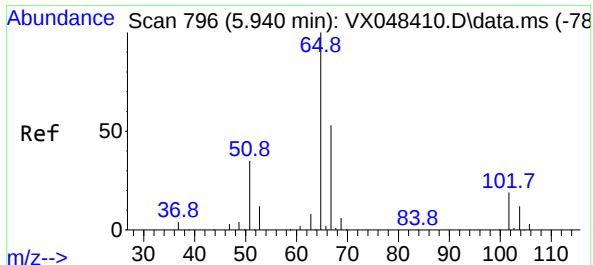
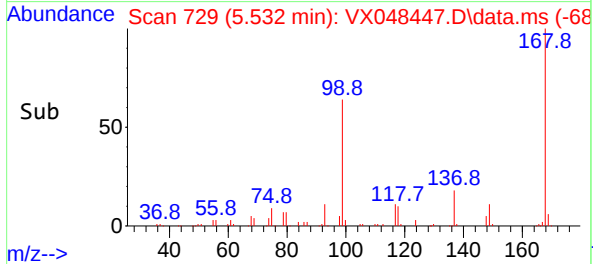
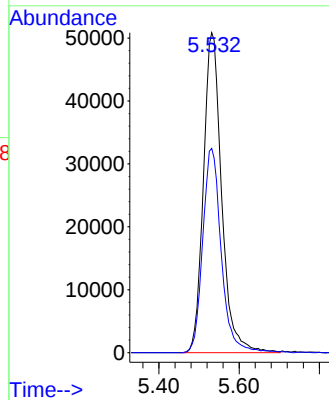
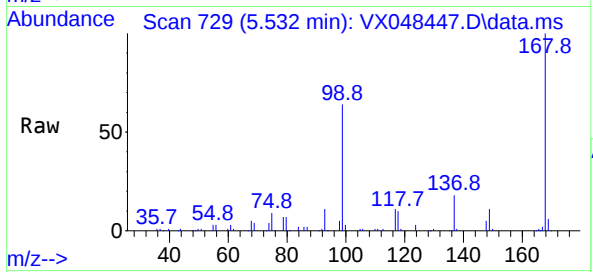




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.532 min Scan# 71  
Delta R.T. -0.005 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

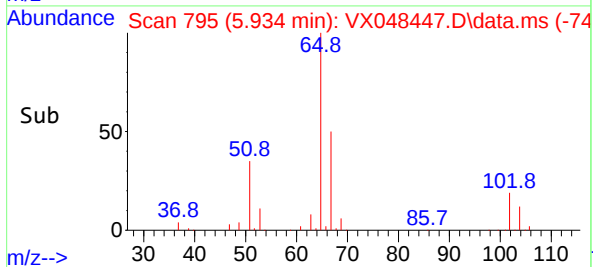
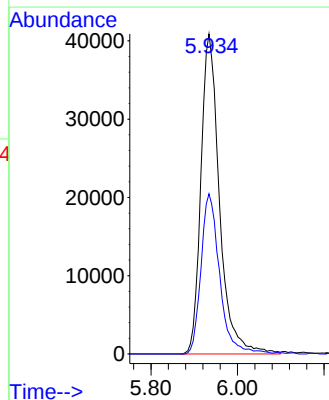
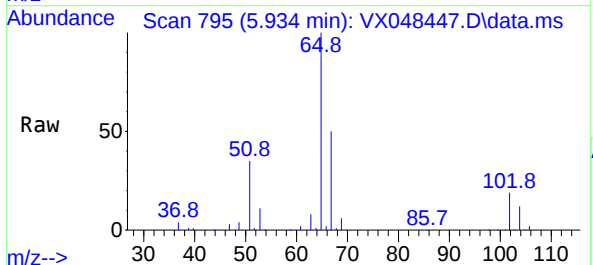
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Tgt Ion:168 Resp: 160467  
Ion Ratio Lower Upper  
168 100  
99 63.9 46.4 69.6

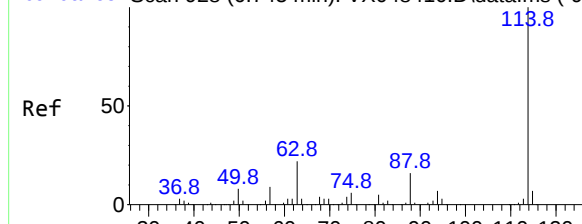


#33  
1,2-Dichloroethane-d4  
Concen: 52.690 ug/l  
RT: 5.934 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

Tgt Ion: 65 Resp: 121597  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 105.0

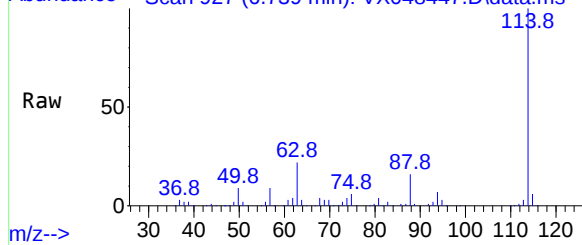


Abundance Scan 928 (6.745 min): VX048410.D\data.ms (-91



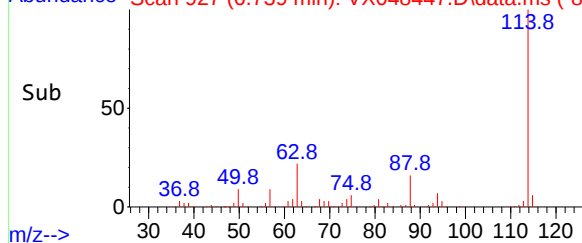
m/z--&gt;

Abundance Scan 927 (6.739 min): VX048447.D\data.ms



m/z--&gt;

Abundance Scan 927 (6.739 min): VX048447.D\data.ms (-87



m/z--&gt;

#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.739 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX048447.D

Acq: 03 Nov 2025 11:25

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBL01

Tgt Ion:114 Resp: 268071

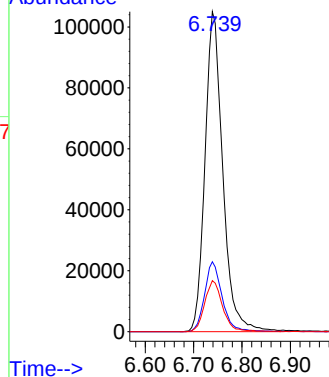
Ion Ratio Lower Upper

114 100

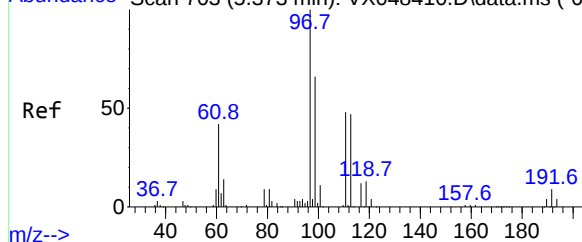
63 21.9 0.0 43.2

88 15.9 0.0 33.6

Abundance

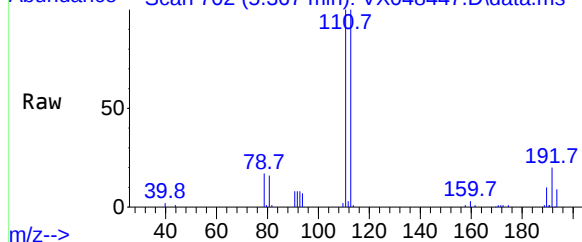


Abundance Scan 703 (5.373 min): VX048410.D\data.ms (-69



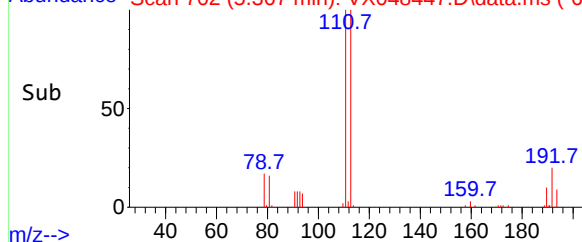
m/z--&gt;

Abundance Scan 702 (5.367 min): VX048447.D\data.ms



m/z--&gt;

Abundance Scan 702 (5.367 min): VX048447.D\data.ms (-65



m/z--&gt;

#35

Dibromofluoromethane

Concen: 59.830 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX048447.D

Acq: 03 Nov 2025 11:25

Tgt Ion:113 Resp: 91442

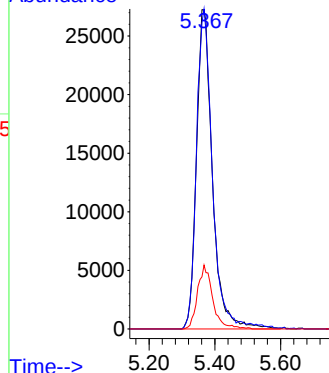
Ion Ratio Lower Upper

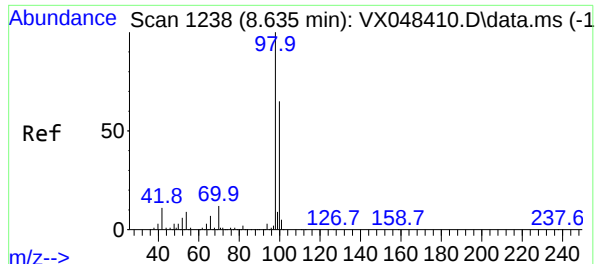
113 100

111 98.0 82.2 123.4

192 19.1 15.1 22.7

Abundance

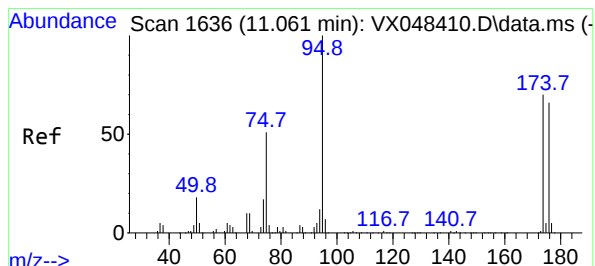
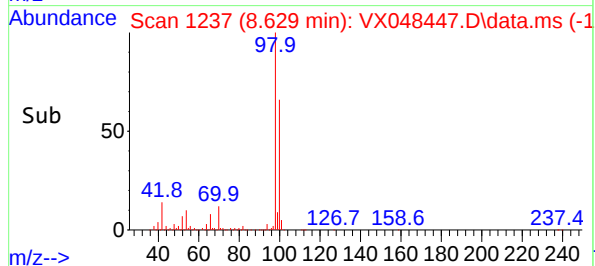
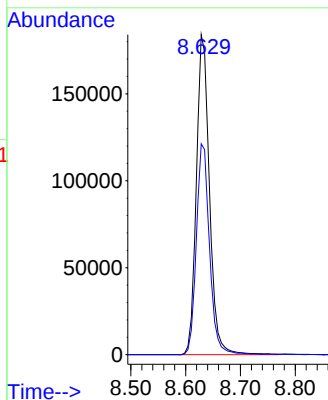
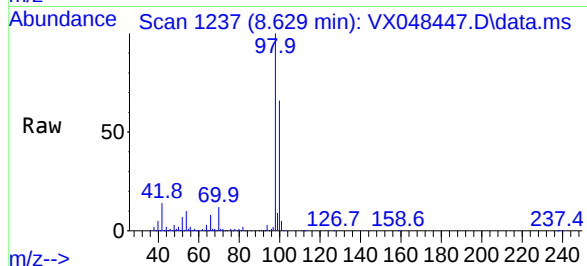




#50  
Toluene-d8  
Concen: 45.451 ug/l  
RT: 8.629 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

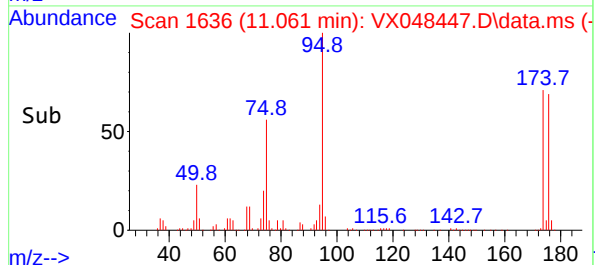
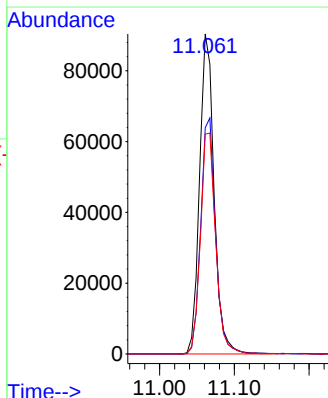
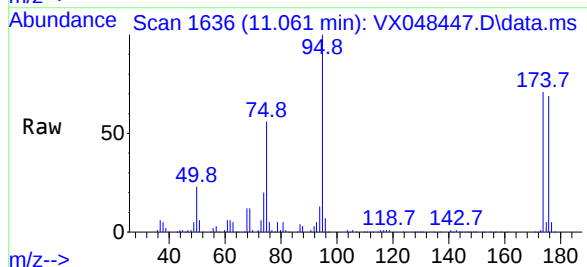
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Tgt Ion: 98 Resp: 306638  
Ion Ratio Lower Upper  
98 100  
100 66.4 53.0 79.4

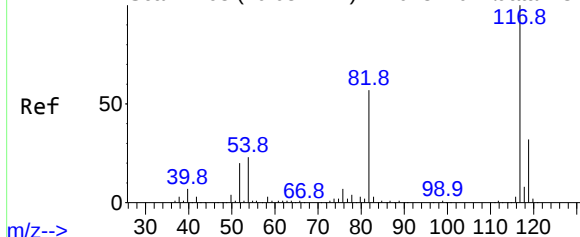


#62  
4-Bromofluorobenzene  
Concen: 48.343 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.000 min  
Lab File: VX048447.D  
Acq: 03 Nov 2025 11:25

Tgt Ion: 95 Resp: 122008  
Ion Ratio Lower Upper  
95 100  
174 75.5 0.0 147.8  
176 72.4 0.0 142.8



Abundance Scan 1468 (10.037 min): VX048410.D\data.ms (-



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048447.D

Acq: 03 Nov 2025 11:25

Instrument :

MSVOA\_X

ClientSampleId :

VX1103WBL01

Tgt Ion:117 Resp: 290044

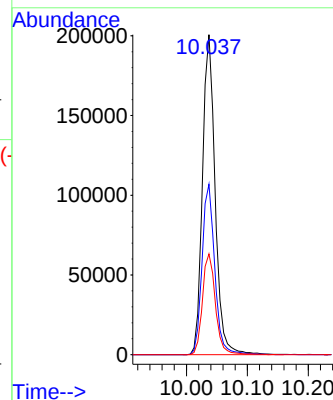
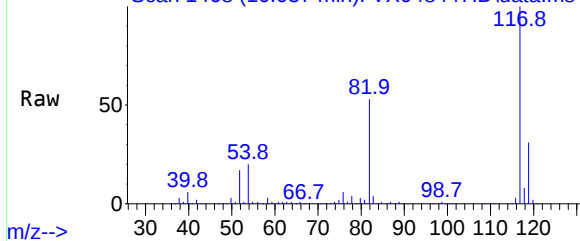
Ion Ratio Lower Upper

117 100

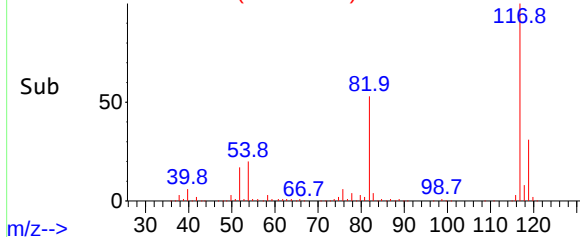
82 53.3 46.5 69.7

119 31.5 25.9 38.9

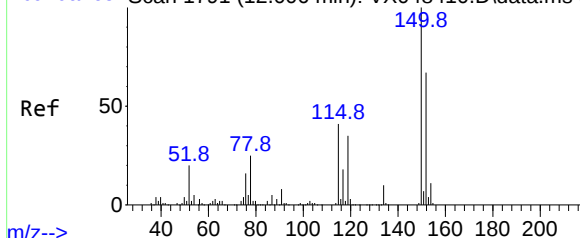
Abundance Scan 1468 (10.037 min): VX048447.D\data.ms (-



Abundance Scan 1468 (10.037 min): VX048447.D\data.ms (-



Abundance Scan 1791 (12.006 min): VX048410.D\data.ms (-



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048447.D

Acq: 03 Nov 2025 11:25

Tgt Ion:152 Resp: 117306

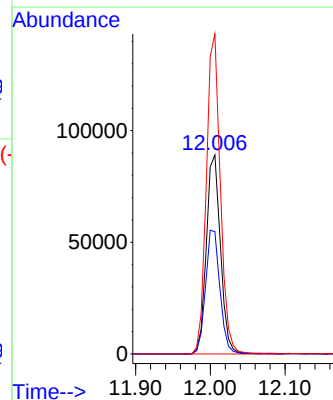
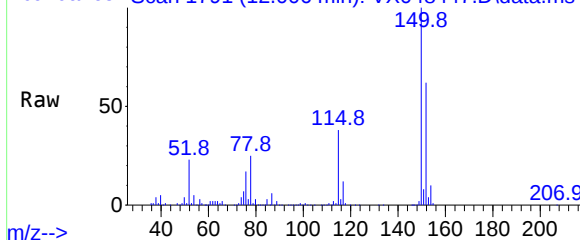
Ion Ratio Lower Upper

152 100

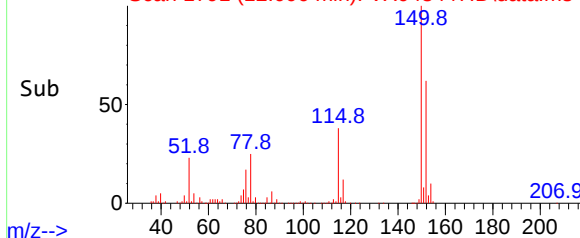
115 63.2 43.1 129.4

150 158.7 0.0 353.0

Abundance Scan 1791 (12.006 min): VX048447.D\data.ms (-



Abundance Scan 1791 (12.006 min): VX048447.D\data.ms (-



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M

Title : SW846 8260

Signal : TIC: VX048447.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.367       | 691           | 702         | 718          | rBV3     | 87843          | 288324        | 33.67%          | 5.974%        |
| 2         | 5.532       | 718           | 729         | 747          | rVB      | 160829         | 496470        | 57.98%          | 10.286%       |
| 3         | 5.934       | 784           | 795         | 812          | rBV      | 107311         | 317669        | 37.10%          | 6.582%        |
| 4         | 6.739       | 914           | 927         | 943          | rBV      | 253654         | 646527        | 75.51%          | 13.395%       |
| 5         | 8.629       | 1228          | 1237        | 1256         | rBV      | 504266         | 856256        | 100.00%         | 17.741%       |
| 6         | 10.037      | 1462          | 1468        | 1488         | rBV      | 583531         | 855570        | 99.92%          | 17.726%       |
| 7         | 11.061      | 1631          | 1636        | 1650         | rBV      | 450089         | 609421        | 71.17%          | 12.627%       |
| 8         | 12.000      | 1785          | 1790        | 1801         | rBV      | 567060         | 756272        | 88.32%          | 15.669%       |

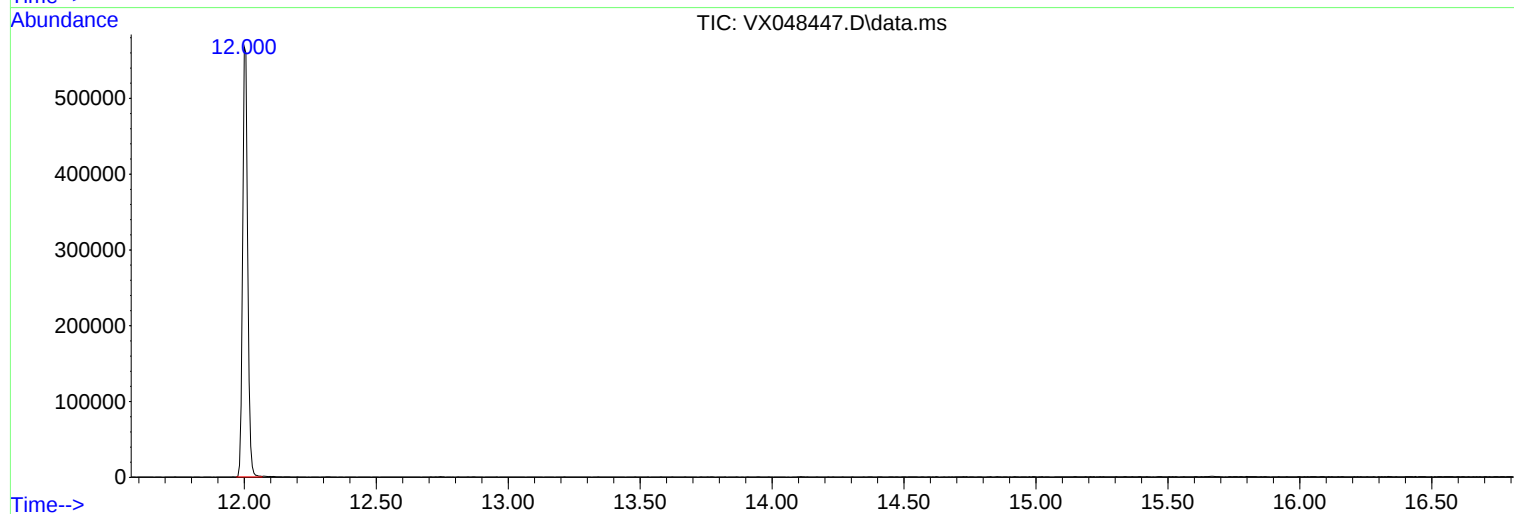
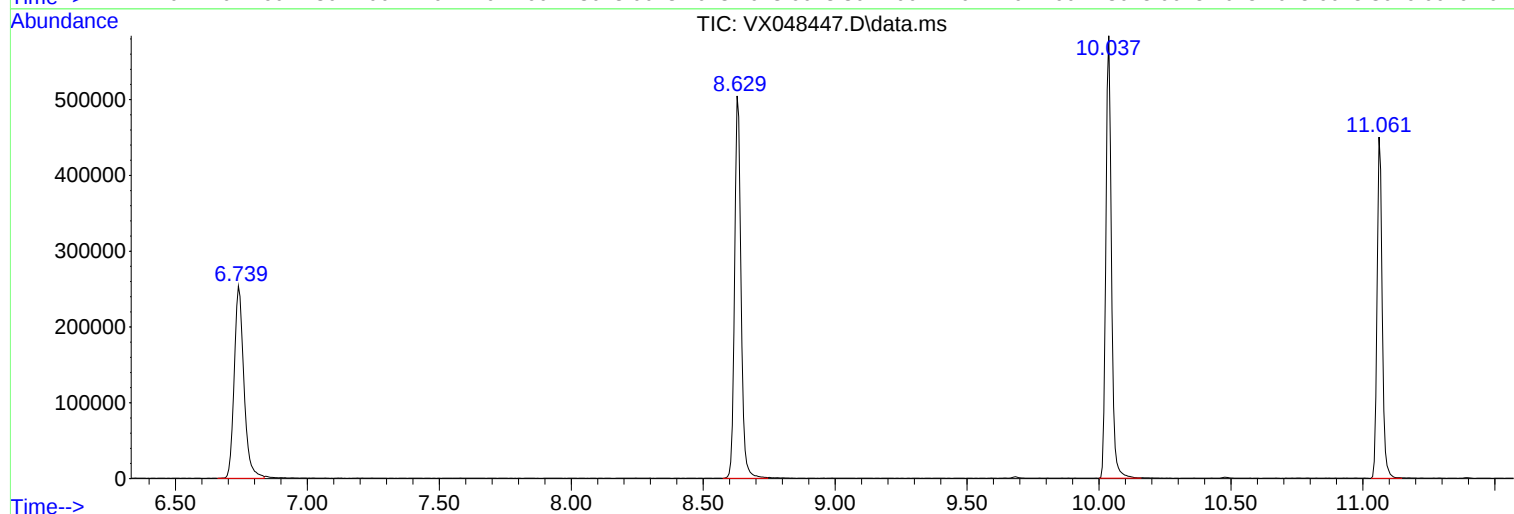
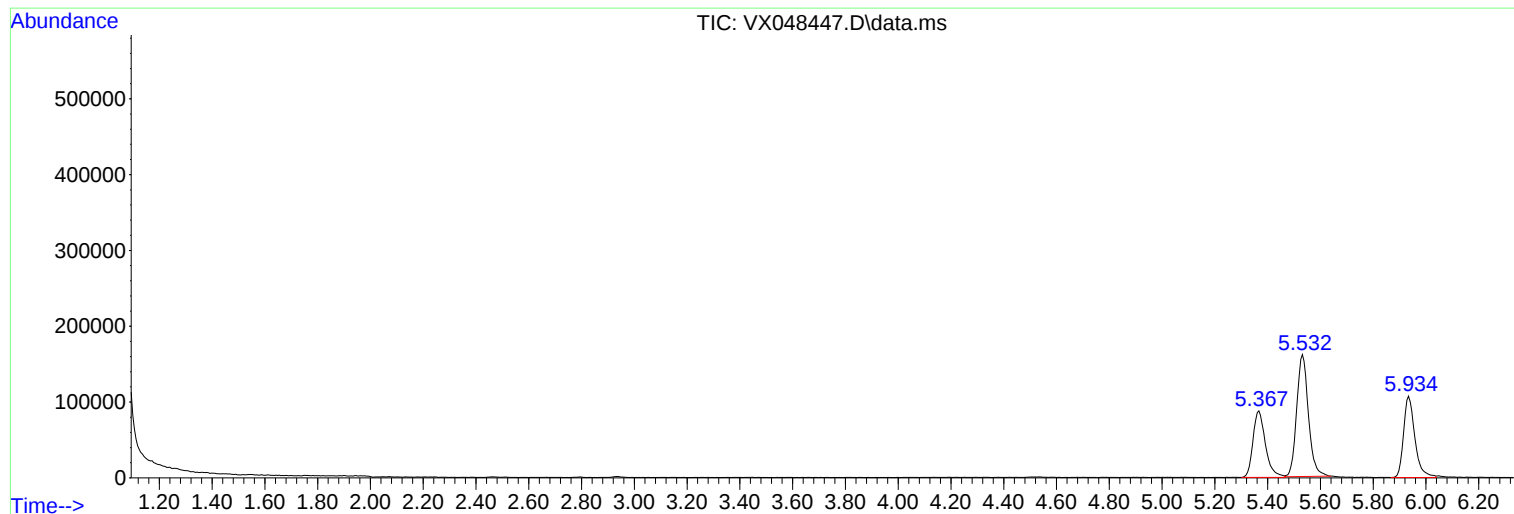
Sum of corrected areas: 4826509

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048447.D  
Acq On : 03 Nov 2025 11:25  
Operator : JC/MD  
Sample : VX1103WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260

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

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

### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: VY1030SBL01  
 Lab Sample ID: VY1030SBL01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 g

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3495  
 Matrix: SOIL  
 % Solid: 100  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 1.10  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 74-87-3        | Chloromethane                  | 1.10  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-01-4        | Vinyl Chloride                 | 0.79  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 74-83-9        | Bromomethane                   | 1.10  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-00-3        | Chloroethane                   | 1.30  | U    | 1  | 1.30 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-69-4        | Trichlorofluoromethane         | 1.20  | U    | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.10  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-35-4        | 1,1-Dichloroethene             | 1.00  | U    | 1  | 1.00 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 67-64-1        | Acetone                        | 4.70  | U    | 1  | 4.70 | 25.0       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-15-0        | Carbon Disulfide               | 1.10  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.73  | U    | 1  | 0.73 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 79-20-9        | Methyl Acetate                 | 1.50  | U    | 1  | 1.50 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-09-2        | Methylene Chloride             | 3.50  | U    | 1  | 3.50 | 10.0       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.86  | U    | 1  | 0.86 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-34-3        | 1,1-Dichloroethane             | 0.80  | U    | 1  | 0.80 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 110-82-7       | Cyclohexane                    | 0.79  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 78-93-3        | 2-Butanone                     | 6.50  | U    | 1  | 6.50 | 25.0       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 56-23-5        | Carbon Tetrachloride           | 0.97  | U    | 1  | 0.97 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U    | 1  | 0.75 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 74-97-5        | Bromochloromethane             | 1.20  | U    | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 67-66-3        | Chloroform                     | 0.84  | U    | 1  | 0.84 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.93  | U    | 1  | 0.93 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 108-87-2       | Methylcyclohexane              | 0.91  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 71-43-2        | Benzene                        | 0.79  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 107-06-2       | 1,2-Dichloroethane             | 0.79  | U    | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 79-01-6        | Trichloroethene                | 0.81  | U    | 1  | 0.81 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 78-87-5        | 1,2-Dichloropropane            | 0.91  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-27-4        | Bromodichloromethane           | 0.78  | U    | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 3.60  | U    | 1  | 3.60 | 25.0       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 108-88-3       | Toluene                        | 0.78  | U    | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.65  | U    | 1  | 0.65 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.62  | U    | 1  | 0.62 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.92  | U    | 1  | 0.92 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 591-78-6       | 2-Hexanone                     | 3.70  | U    | 1  | 3.70 | 25.0       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 124-48-1       | Dibromochloromethane           | 0.87  | U    | 1  | 0.87 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 106-93-4       | 1,2-Dibromoethane              | 0.88  | U    | 1  | 0.88 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 127-18-4       | Tetrachloroethene              | 1.10  | U    | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 108-90-7       | Chlorobenzene                  | 0.91  | U    | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 100-41-4       | Ethyl Benzene                  | 0.67  | U    | 1  | 0.67 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 179601-23-1    | m/p-Xylenes                    | 1.20  | U    | 1  | 1.20 | 10.0       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 95-47-6        | o-Xylene                       | 0.82  | U    | 1  | 0.82 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 100-42-5       | Styrene                        | 0.71  | U    | 1  | 0.71 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |
| 75-25-2        | Bromoform                      | 0.86  | U    | 1  | 0.86 | 5.00       | ug/Kg | 10/30/25 09:40 | VY103025 |



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

## Report of Analysis

Client: Remington & Vernick Engineers  
Project: Maclearie Park  
Client Sample ID: VY1030SBL01  
Lab Sample ID: VY1030SBL01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 g

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3495  
Matrix: SOIL  
% Solid: 100  
Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 0.78              | U    | 1  | 0.78     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 1.20              | U    | 1  | 1.20     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 1.70              | U    | 1  | 1.70     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 1.60              | U    | 1  | 1.60     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 1.50              | U    | 1  | 1.50     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 1.80              | U    | 1  | 1.80     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 3.00              | U    | 1  | 3.00     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.20              | U    | 1  | 3.20     | 5.00       | ug/Kg   | 10/30/25 09:40 | VY103025 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 55.9              |      |    | 63 - 155 | 112%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 51.7              |      |    | 70 - 134 | 103%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 49.6              |      |    | 74 - 123 | 99%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 41.4              |      |    | 17 - 146 | 83%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 742000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 1270000           |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 1060000           |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 423000            |      |    |          |            |         |                |          |

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\_Y\Data\VY103025\  
 Data File : VY023621.D  
 Acq On : 30 Oct 2025 09:40  
 Operator : SY/MD  
 Sample : VY1030SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1030SBL01

Quant Time: Oct 31 02:34:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.713  | 168  | 742027   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.616  | 114  | 1269076  | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.420 | 117  | 1061841  | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.346 | 152  | 422864   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.067  | 65    | 346812   | 55.893   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 111.780% |
| 35) Dibromofluoromethane    | 7.640  | 113   | 403238   | 51.711   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 103.420% |
| 50) Toluene-d8              | 10.109 | 98    | 1439935  | 49.584   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 99.160%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 396962   | 41.404   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 82.800%  |

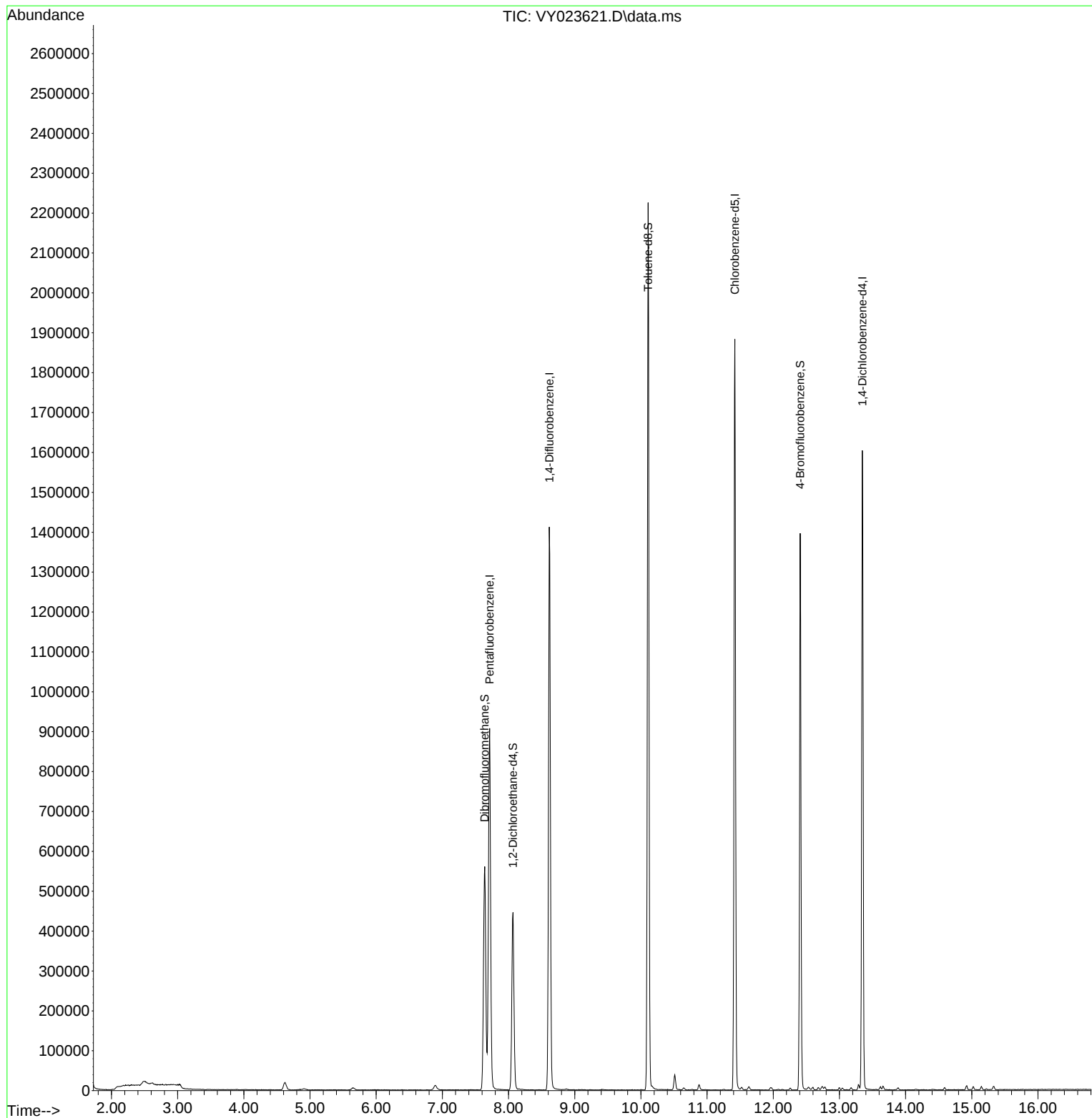
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

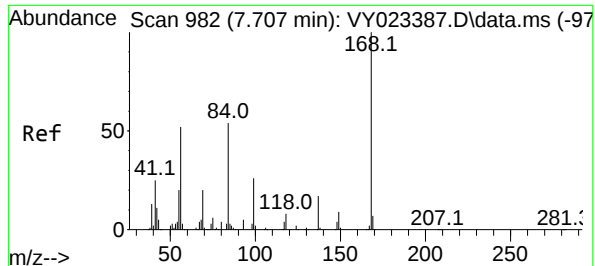
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023621.D  
Acq On : 30 Oct 2025 09:40  
Operator : SY/MD  
Sample : VY1030SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBL01

Quant Time: Oct 31 02:34:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

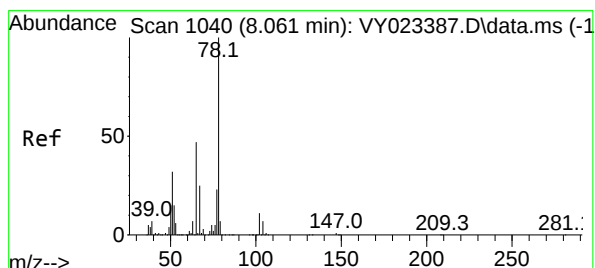
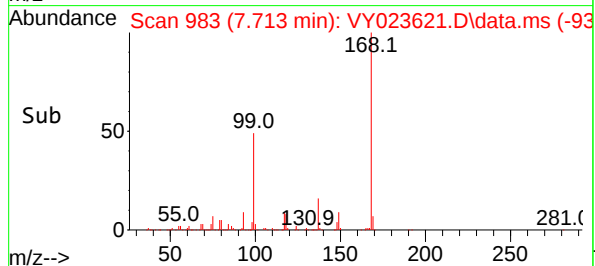
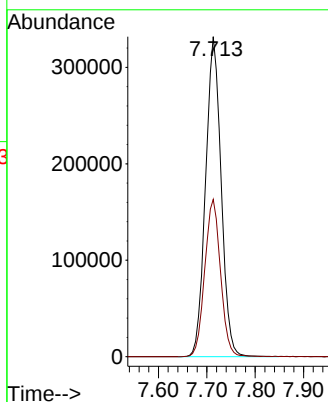
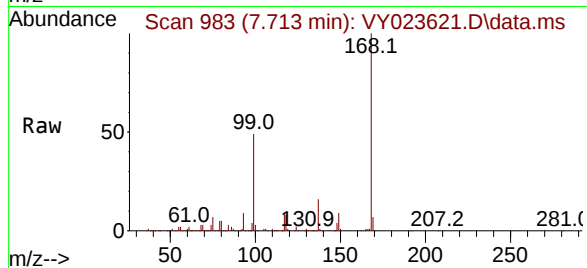




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023621.D  
Acq: 30 Oct 2025 09:40

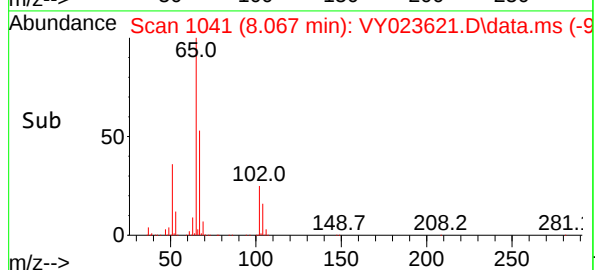
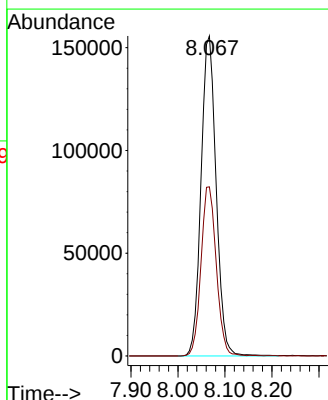
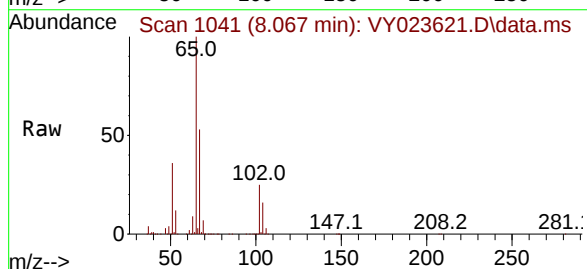
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBL01

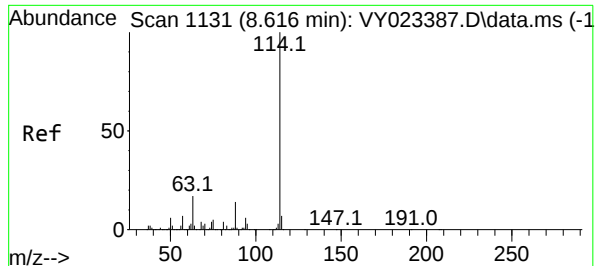
Tgt Ion:168 Resp: 742027  
Ion Ratio Lower Upper  
168 100  
99 49.2 39.7 59.5



#33  
1,2-Dichloroethane-d4  
Concen: 55.893 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. 0.006 min  
Lab File: VY023621.D  
Acq: 30 Oct 2025 09:40

Tgt Ion: 65 Resp: 346812  
Ion Ratio Lower Upper  
65 100  
67 53.6 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY1030SBL01

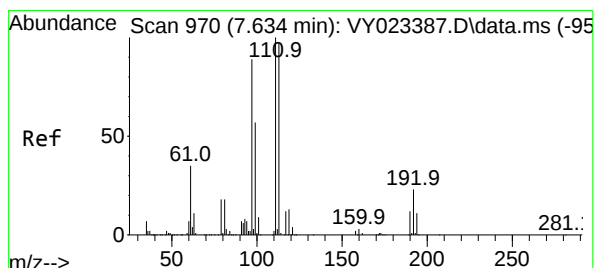
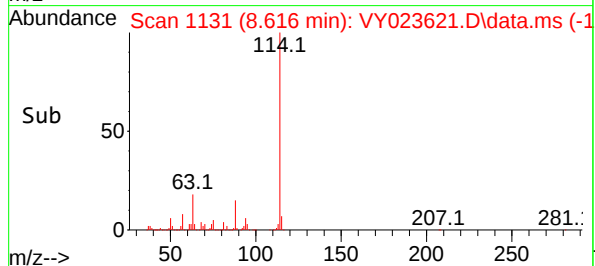
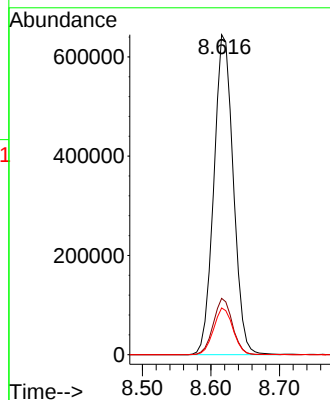
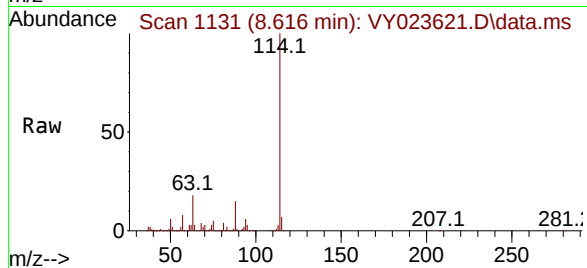
Tgt Ion:114 Resp: 1269076

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.2

88 14.6 0.0 28.4



#35

Dibromofluoromethane

Concen: 51.711 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

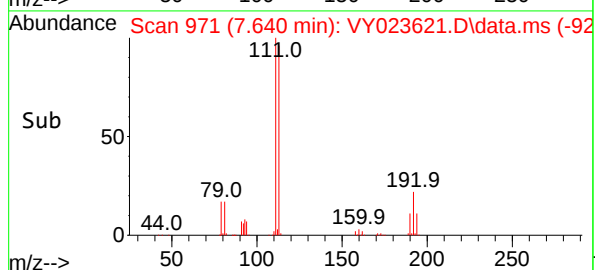
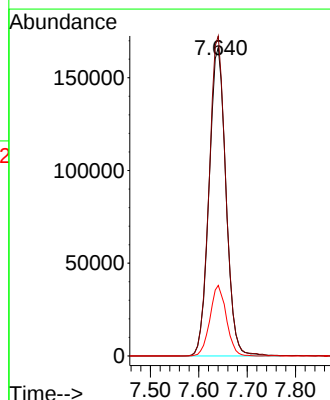
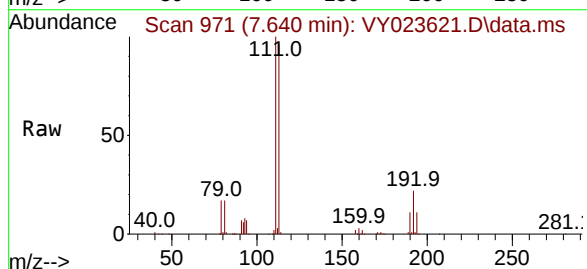
Tgt Ion:113 Resp: 403238

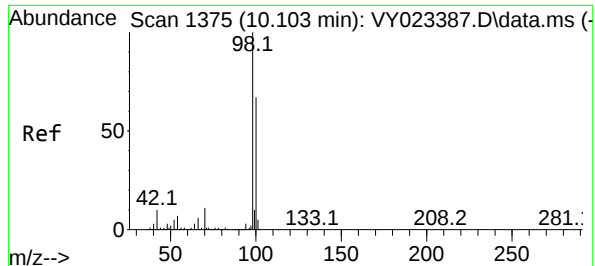
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

192 22.1 18.0 27.0





#50

Toluene-d8

Concen: 49.584 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

Instrument :

MSVOA\_Y

ClientSampleId :

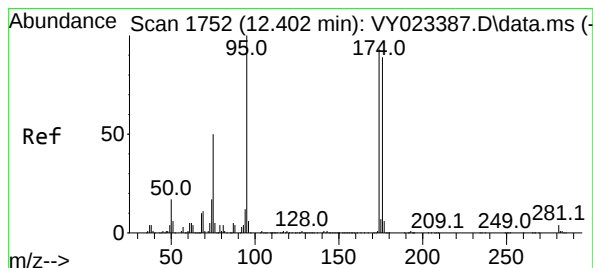
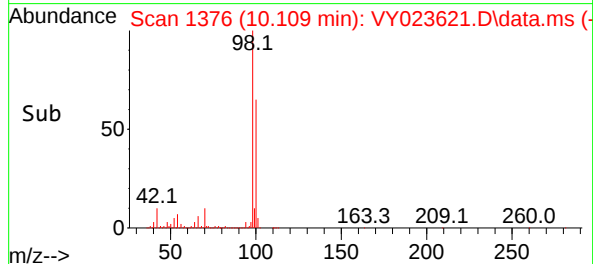
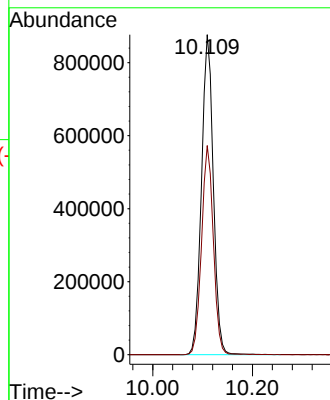
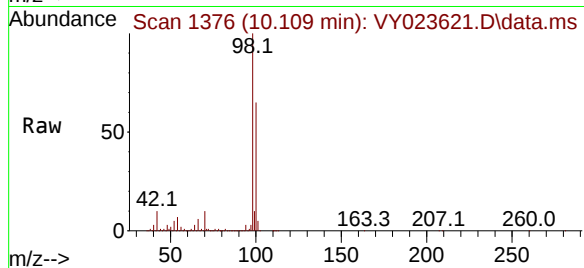
VY1030SBL01

Tgt Ion: 98 Resp: 1439935

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 41.404 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

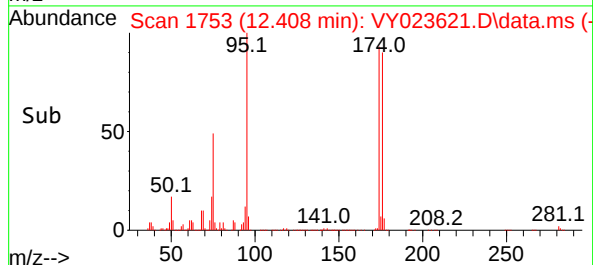
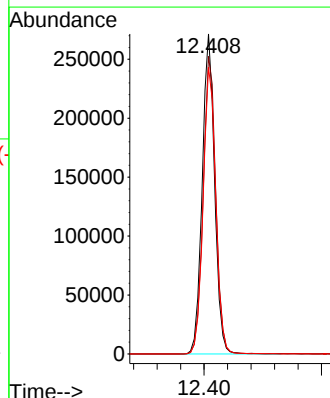
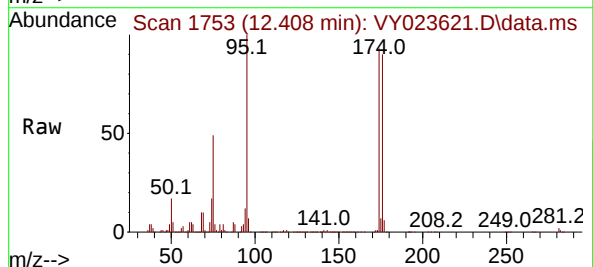
Tgt Ion: 95 Resp: 396962

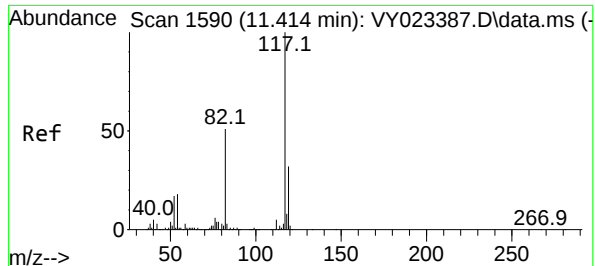
Ion Ratio Lower Upper

95 100

174 94.9 0.0 192.8

176 91.3 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

Instrument :

MSVOA\_Y

ClientSampleId :

VY1030SBL01

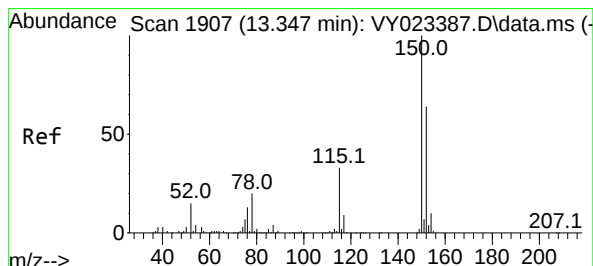
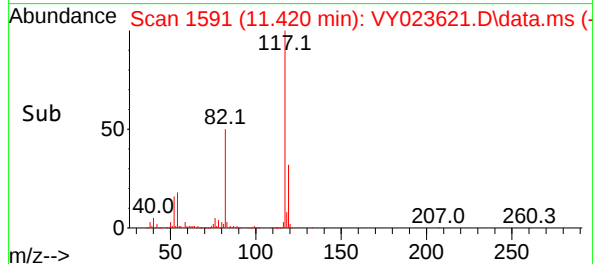
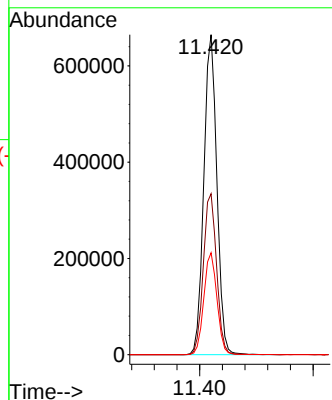
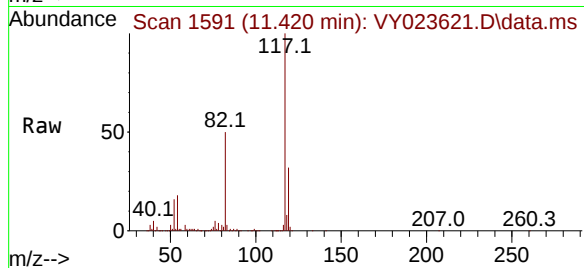
Tgt Ion:117 Resp: 1061841

Ion Ratio Lower Upper

117 100

82 50.3 41.0 61.4

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023621.D

Acq: 30 Oct 2025 09:40

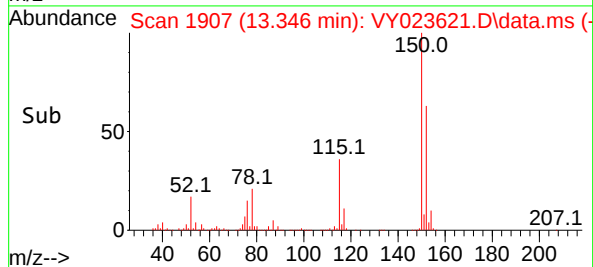
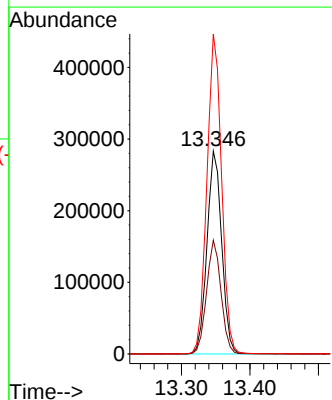
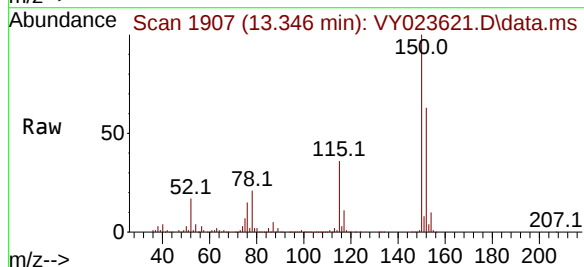
Tgt Ion:152 Resp: 422864

Ion Ratio Lower Upper

152 100

115 55.2 27.1 81.2

150 157.0 0.0 347.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023621.D  
 Acq On : 30 Oct 2025 09:40  
 Operator : SY/MD  
 Sample : VY1030SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1030SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023621.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.622       | 467           | 476         | 491          | rVB2     | 18938          | 59598         | 1.62%           | 0.320%        |
| 2         | 6.890       | 837           | 848         | 861          | rBV      | 11723          | 39527         | 1.07%           | 0.212%        |
| 3         | 7.640       | 958           | 971         | 977          | rBV      | 559966         | 1357501       | 36.87%          | 7.292%        |
| 4         | 7.713       | 977           | 983         | 1003         | rVB      | 905590         | 2046969       | 55.60%          | 10.996%       |
| 5         | 8.067       | 1031          | 1041        | 1053         | rBV      | 445115         | 995220        | 27.03%          | 5.346%        |
| 6         | 8.616       | 1122          | 1131        | 1147         | rBV      | 1411391        | 2778307       | 75.47%          | 14.925%       |
| 7         | 10.109      | 1368          | 1376        | 1385         | rBV      | 2224348        | 3681416       | 100.00%         | 19.776%       |
| 8         | 10.512      | 1434          | 1442        | 1450         | rBV      | 37696          | 70240         | 1.91%           | 0.377%        |
| 9         | 11.420      | 1582          | 1591        | 1604         | rBV      | 1882146        | 3058974       | 83.09%          | 16.433%       |
| 10        | 12.408      | 1745          | 1753        | 1765         | rBV      | 1395361        | 2110783       | 57.34%          | 11.339%       |
| 11        | 13.346      | 1901          | 1907        | 1922         | rVB      | 1602176        | 2416714       | 65.65%          | 12.982%       |

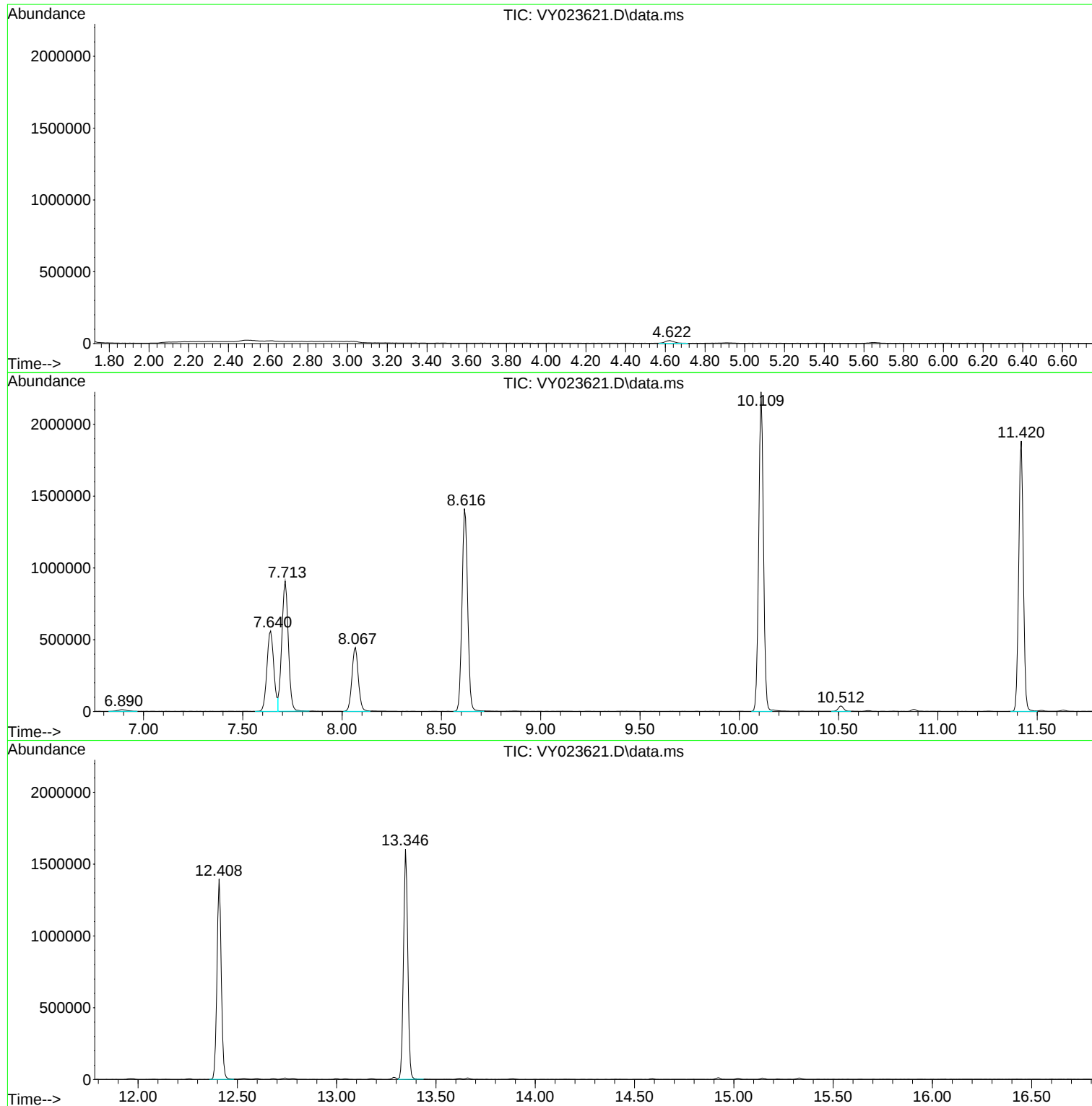
Sum of corrected areas: 18615249

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023621.D  
Acq On : 30 Oct 2025 09:40  
Operator : SY/MD  
Sample : VY1030SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023621.D  
Acq On : 30 Oct 2025 09:40  
Operator : SY/MD  
Sample : VY1030SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023621.D  
Acq On : 30 Oct 2025 09:40  
Operator : SY/MD  
Sample : VY1030SBL01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

**Report of Analysis**

Client: Remington &amp; Vernick Engineers

Project: Maclearie Park

Client Sample ID: VX1031WBS01

Lab Sample ID: VX1031WBS01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 17.0  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 74-87-3        | Chloromethane                  | 18.1  |      | 1  | 0.32  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-01-4        | Vinyl Chloride                 | 17.4  |      | 1  | 0.26  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 74-83-9        | Bromomethane                   | 20.4  |      | 1  | 1.40  | 5.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-00-3        | Chloroethane                   | 17.7  |      | 1  | 0.47  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-69-4        | Trichlorofluoromethane         | 17.5  |      | 1  | 0.33  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 17.7  |      | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-35-4        | 1,1-Dichloroethene             | 17.7  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 67-64-1        | Acetone                        | 90.6  |      | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-15-0        | Carbon Disulfide               | 17.8  |      | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 1634-04-4      | Methyl tert-butyl Ether        | 18.4  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 79-20-9        | Methyl Acetate                 | 16.6  |      | 1  | 0.27  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-09-2        | Methylene Chloride             | 18.5  |      | 1  | 0.28  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.9  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-34-3        | 1,1-Dichloroethane             | 18.2  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 110-82-7       | Cyclohexane                    | 17.7  |      | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 78-93-3        | 2-Butanone                     | 92.3  |      | 1  | 0.98  | 5.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 56-23-5        | Carbon Tetrachloride           | 16.9  |      | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 156-59-2       | cis-1,2-Dichloroethene         | 17.8  |      | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 74-97-5        | Bromochloromethane             | 15.3  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 67-66-3        | Chloroform                     | 18.2  |      | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.0  |      | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 108-87-2       | Methylcyclohexane              | 16.2  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 71-43-2        | Benzene                        | 17.7  |      | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 107-06-2       | 1,2-Dichloroethane             | 18.2  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 79-01-6        | Trichloroethene                | 17.4  |      | 1  | 0.090 | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 78-87-5        | 1,2-Dichloropropane            | 17.8  |      | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-27-4        | Bromodichloromethane           | 18.3  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 90.4  |      | 1  | 0.68  | 5.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 108-88-3       | Toluene                        | 17.8  |      | 1  | 0.14  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 10061-02-6     | t-1,3-Dichloropropene          | 18.8  |      | 1  | 0.17  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 18.7  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 79-00-5        | 1,1,2-Trichloroethane          | 17.9  |      | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 591-78-6       | 2-Hexanone                     | 88.8  |      | 1  | 0.89  | 5.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 124-48-1       | Dibromochloromethane           | 17.9  |      | 1  | 0.18  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 106-93-4       | 1,2-Dibromoethane              | 17.9  |      | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 127-18-4       | Tetrachloroethene              | 16.1  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 108-90-7       | Chlorobenzene                  | 16.8  |      | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 100-41-4       | Ethyl Benzene                  | 16.8  |      | 1  | 0.13  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 179601-23-1    | m/p-Xylenes                    | 34.2  |      | 1  | 0.24  | 2.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 95-47-6        | o-Xylene                       | 17.0  |      | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 100-42-5       | Styrene                        | 17.1  |      | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |
| 75-25-2        | Bromoform                      | 17.1  |      | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 10:34 | VX103125 |



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

## Report of Analysis

Client: Remington & Vernick Engineers  
Project: Maclearie Park  
Client Sample ID: VX1031WBS01  
Lab Sample ID: VX1031WBS01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3495  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 16.5              |      | 1  | 0.12     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 16.8              |      | 1  | 0.26     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 16.1              |      | 1  | 0.16     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 16.1              |      | 1  | 0.19     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 16.6              |      | 1  | 0.16     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 16.4              |      | 1  | 0.53     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 16.2              |      | 1  | 0.20     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 16.1              |      | 1  | 0.20     | 1.00       | ug/L    | 10/31/25 10:34 | VX103125 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 57.7              |      |    | 74 - 125 | 115%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 53.7              |      |    | 75 - 124 | 107%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 52.9              |      |    | 86 - 113 | 106%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 54.8              |      |    | 77 - 121 | 110%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 180000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 315000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 293000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 147000            |      |    |          |            |         |                |          |

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\_X\Data\VX103125\  
 Data File : VX048419.D  
 Acq On : 31 Oct 2025 10:34  
 Operator : JC/MD  
 Sample : VX1031WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:00:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                        |                |      |                     |        |        |          |
| Internal Standards           |                |      |                     |        |        |          |
| 1) Pentafluorobenzene        | 5.532          | 168  | 179964              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.739          | 114  | 315014              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 292819              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 146834              | 50.000 | ug/l   | 0.00     |
|                              |                |      |                     |        |        |          |
| System Monitoring Compounds  |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.934          | 65   | 149233              | 57.660 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 115.320% |        |        |          |
| 35) Dibromofluoromethane     | 5.367          | 113  | 96465               | 53.711 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 107.420% |        |        |          |
| 50) Toluene-d8               | 8.629          | 98   | 419599              | 52.926 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 105.860% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 162520              | 54.799 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 109.600% |        |        |          |
|                              |                |      |                     |        |        |          |
| Target Compounds             |                |      |                     |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 31221               | 17.007 | ug/l   | 96       |
| 3) Chloromethane             | 1.301          | 50   | 18751               | 18.104 | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.380          | 62   | 41628               | 17.400 | ug/l   | 96       |
| 5) Bromomethane              | 1.618          | 94   | 17650               | 20.422 | ug/l   | 96       |
| 6) Chloroethane              | 1.697          | 64   | 25235               | 17.736 | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 64043               | 17.468 | ug/l   | 100      |
| 8) Diethyl Ether             | 2.130          | 74   | 23913               | 18.047 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 36530               | 17.714 | ug/l   | 98       |
| 10) Methyl Iodide            | 2.459          | 142  | 137090              | 16.532 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.934          | 59   | 18684               | 94.226 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 37098               | 17.710 | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 40806               | 98.591 | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 64102               | 18.071 | ug/l   | 97       |
| 15) Acrylonitrile            | 3.050          | 53   | 83276               | 92.317 | ug/l   | 99       |
| 16) Acetone                  | 2.367          | 43   | 53157               | 90.620 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 107086              | 17.830 | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 32640               | 16.637 | ug/l   | 95       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 123399              | 18.396 | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 41770               | 18.473 | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 39756               | 17.868 | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.745          | 45   | 136738              | 18.832 | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.709          | 43   | 486116              | 98.352 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 74934               | 18.185 | ug/l   | 96       |
| 25) 2-Butanone               | 4.532          | 43   | 86529               | 92.338 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.459          | 77   | 63639               | 17.937 | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 47389               | 17.846 | ug/l   | 98       |
| 28) Bromochloromethane       | 4.885          | 49   | 28642               | 15.337 | ug/l   | 95       |
| 29) Tetrahydrofuran          | 4.983          | 42   | 60305               | 90.365 | ug/l   | 95       |
| 30) Chloroform               | 5.074          | 83   | 77141               | 18.199 | ug/l   | 99       |
| 31) Cyclohexane              | 5.452          | 56   | 63180               | 17.664 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 67520               | 18.043 | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 51289               | 17.005 | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.690          | 43   | 41787               | 16.262 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.660          | 117  | 59006               | 16.944 | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.360          | 83   | 62937               | 16.227 | ug/l   | 93       |
| 40) Benzene                  | 6.019          | 78   | 162671              | 17.655 | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048419.D  
 Acq On : 31 Oct 2025 10:34  
 Operator : JC/MD  
 Sample : VX1031WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:00:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.898  | 41   | 24138    | 18.649  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 59086    | 18.206  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.318  | 43   | 76063    | 17.929  | ug/l   | 98       |
| 44) Trichloroethene           | 7.111  | 130  | 42009    | 17.402  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 40933    | 17.788  | ug/l   | 97       |
| 46) Dibromomethane            | 7.562  | 93   | 28574    | 17.738  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.806  | 83   | 62667    | 18.309  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.671  | 41   | 37681    | 18.213  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.635  | 88   | 8902     | 378.563 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 213519   | 90.434  | ug/l   | 98       |
| 52) Toluene                   | 8.702  | 92   | 102282   | 17.765  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 58232    | 18.770  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 62358    | 18.656  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 37254    | 17.880  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 53811    | 17.638  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 64586    | 17.878  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.220  | 63   | 135337   | 81.005  | ug/l   | 96       |
| 59) 2-Hexanone                | 9.409  | 43   | 136354   | 88.756  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.500  | 129  | 46040    | 17.867  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 38672    | 17.941  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.256  | 164  | 37940    | 16.089  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 113508   | 16.826  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131  | 39696    | 17.299  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.177 | 91   | 190943   | 16.811  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.281 | 106  | 146981   | 34.176  | ug/l   | 97       |
| 69) o-Xylene                  | 10.622 | 106  | 69700    | 16.960  | ug/l   | 97       |
| 70) Styrene                   | 10.634 | 104  | 119294   | 17.135  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 28404    | 17.111  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 178940   | 16.476  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.823 | 43   | 65397    | 16.879  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 46219    | 16.801  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 36879m   | 17.464  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 44892    | 16.733  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.287 | 91   | 211474   | 16.475  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 128712   | 16.701  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 150072   | 16.857  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 11094    | 18.181  | ug/l # | 75       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 150230   | 16.582  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 150796   | 16.638  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 151444   | 17.180  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.872 | 105  | 186114   | 16.480  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 157528   | 16.500  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 82684    | 16.138  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 84248    | 16.145  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.311 | 91   | 144458   | 16.116  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 27141    | 16.178  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 78752    | 16.587  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 8836     | 16.403  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 52916    | 16.151  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 21557    | 15.686  | ug/l   | 96       |
| 95) Naphthalene               | 13.756 | 128  | 135199   | 16.339  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 47887    | 16.092  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048419.D  
Acq On : 31 Oct 2025 10:34  
Operator : JC/MD  
Sample : VX1031WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBS01

Manual Integrations  
**APPROVED**

Reviewed By :Amit Patel 11/03/2025  
Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:00:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

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

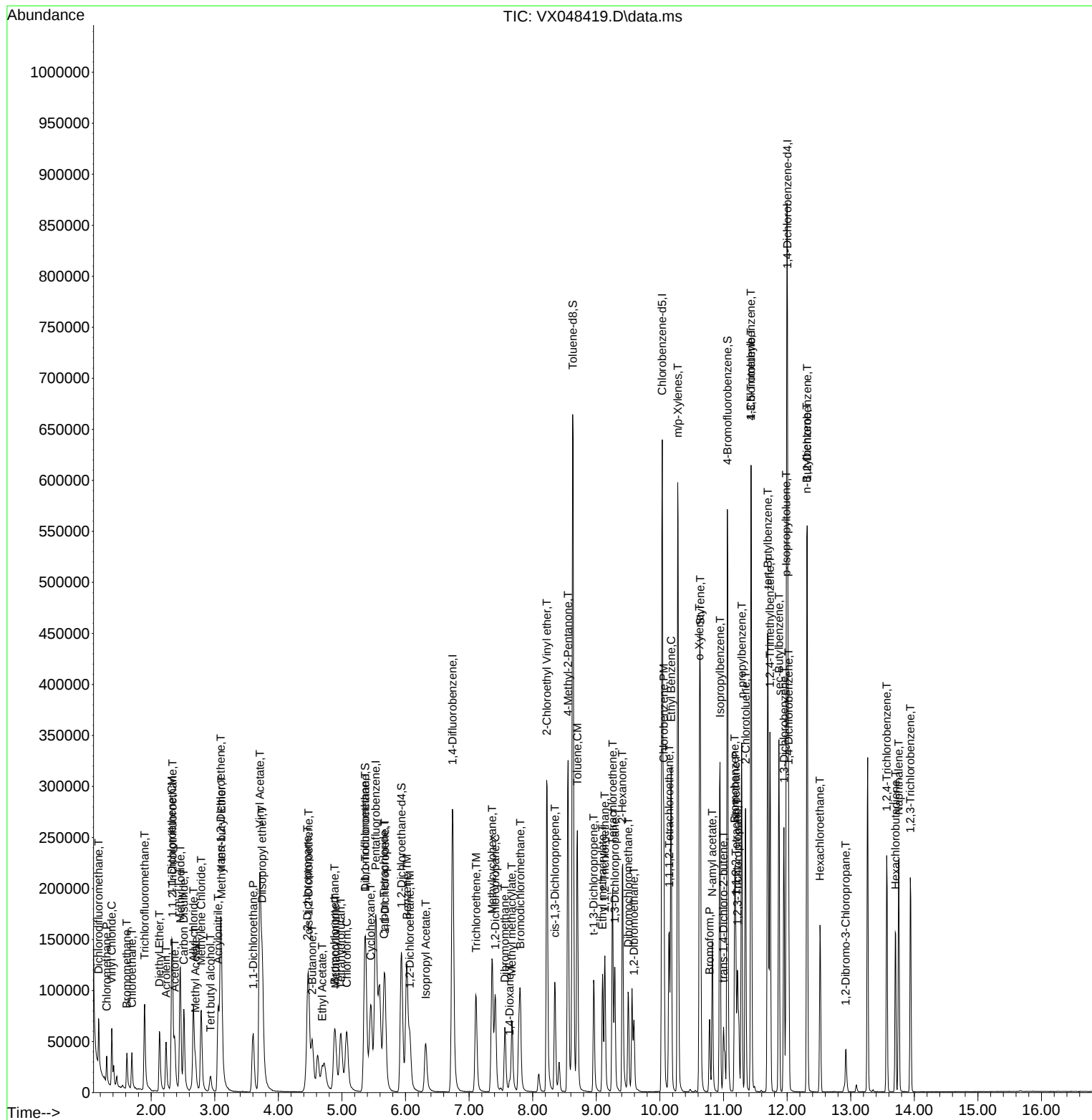
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048419.D  
 Acq On : 31 Oct 2025 10:34  
 Operator : JC/MD  
 Sample : VX1031WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBS01

### Manual Integrations APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:00:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration



### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: VX1103WBS01  
 Lab Sample ID: VX1103WBS01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 17.2  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 74-87-3        | Chloromethane                  | 20.5  |      | 1  | 0.32  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-01-4        | Vinyl Chloride                 | 19.6  |      | 1  | 0.26  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 74-83-9        | Bromomethane                   | 20.1  |      | 1  | 1.40  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-00-3        | Chloroethane                   | 17.0  |      | 1  | 0.47  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-69-4        | Trichlorofluoromethane         | 17.3  |      | 1  | 0.33  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.2  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-35-4        | 1,1-Dichloroethene             | 20.2  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 67-64-1        | Acetone                        | 88.6  |      | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-15-0        | Carbon Disulfide               | 16.9  |      | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 1634-04-4      | Methyl tert-butyl Ether        | 17.4  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 79-20-9        | Methyl Acetate                 | 16.0  |      | 1  | 0.27  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-09-2        | Methylene Chloride             | 17.1  |      | 1  | 0.28  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 156-60-5       | trans-1,2-Dichloroethene       | 16.9  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-34-3        | 1,1-Dichloroethane             | 17.4  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 110-82-7       | Cyclohexane                    | 19.7  |      | 1  | 1.50  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 78-93-3        | 2-Butanone                     | 82.0  |      | 1  | 0.98  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 56-23-5        | Carbon Tetrachloride           | 18.7  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 156-59-2       | cis-1,2-Dichloroethene         | 16.6  |      | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 74-97-5        | Bromochloromethane             | 19.3  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 67-66-3        | Chloroform                     | 18.5  |      | 1  | 0.25  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.9  |      | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-87-2       | Methylcyclohexane              | 16.6  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 71-43-2        | Benzene                        | 19.2  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 107-06-2       | 1,2-Dichloroethane             | 18.2  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 79-01-6        | Trichloroethene                | 17.5  |      | 1  | 0.090 | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 78-87-5        | 1,2-Dichloropropane            | 17.1  |      | 1  | 0.20  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-27-4        | Bromodichloromethane           | 18.3  |      | 1  | 0.22  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 86.6  |      | 1  | 0.68  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-88-3       | Toluene                        | 17.6  |      | 1  | 0.14  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 10061-02-6     | t-1,3-Dichloropropene          | 19.0  |      | 1  | 0.17  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 18.4  |      | 1  | 0.16  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 79-00-5        | 1,1,2-Trichloroethane          | 18.0  |      | 1  | 0.21  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 591-78-6       | 2-Hexanone                     | 86.4  |      | 1  | 0.89  | 5.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 124-48-1       | Dibromochloromethane           | 18.2  |      | 1  | 0.18  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 106-93-4       | 1,2-Dibromoethane              | 17.8  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 127-18-4       | Tetrachloroethene              | 19.8  |      | 1  | 0.23  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 108-90-7       | Chlorobenzene                  | 20.7  |      | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 100-41-4       | Ethyl Benzene                  | 20.5  |      | 1  | 0.13  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 179601-23-1    | m/p-Xylenes                    | 42.2  |      | 1  | 0.24  | 2.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 95-47-6        | o-Xylene                       | 20.7  |      | 1  | 0.12  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 100-42-5       | Styrene                        | 21.2  |      | 1  | 0.15  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |
| 75-25-2        | Bromoform                      | 21.3  |      | 1  | 0.19  | 1.00       | ug/L  | 11/03/25 12:21 | VX110325 |



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

## Report of Analysis

Client: Remington & Vernick Engineers  
Project: Maclearie Park  
Client Sample ID: VX1103WBS01  
Lab Sample ID: VX1103WBS01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 mL

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3495  
Matrix: Water  
% Solid: 0  
Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 20.5              |      | 1  | 0.12     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 20.5              |      | 1  | 0.26     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.7              |      | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.2              |      | 1  | 0.19     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.3              |      | 1  | 0.16     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.5              |      | 1  | 0.53     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.6              |      | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.2              |      | 1  | 0.20     | 1.00       | ug/L    | 11/03/25 12:21 | VX110325 |
| <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                  | 43.8              |      |    | 86 - 113 | 88%        | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 43.5              |      |    | 77 - 121 | 87%        | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 173000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 288000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 218000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 111000            |      |    |          |            |         |                |          |

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\_X\Data\VX110325\  
 Data File : VX048449.D  
 Acq On : 03 Nov 2025 12:21  
 Operator : JC/MD  
 Sample : VX1103WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:10:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.531          | 168  | 172640     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.738          | 114  | 288363     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 217740     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 110522     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.934          | 65   | 121860     | 49.081   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.160%  |        |          |
| 35) Dibromofluoromethane     | 5.367          | 113  | 83329      | 50.685   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 101.360% |        |          |
| 50) Toluene-d8               | 8.628          | 98   | 318132     | 43.836   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 87.680%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 118111     | 43.506   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 87.020%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.172          | 85   | 30270      | 17.189   | ug/l   | 97       |
| 3) Chloromethane             | 1.300          | 50   | 20348      | 20.480   | ug/l   | 94       |
| 4) Vinyl Chloride            | 1.380          | 62   | 44939      | 19.580   | ug/l   | 99       |
| 5) Bromomethane              | 1.617          | 94   | 16699      | 20.141   | ug/l   | 93       |
| 6) Chloroethane              | 1.697          | 64   | 23174      | 16.978   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 60832      | 17.296   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.129          | 74   | 22137      | 17.415   | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 39962      | 20.200   | ug/l   | 95       |
| 10) Methyl Iodide            | 2.459          | 142  | 123885     | 15.573   | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.928          | 59   | 15123      | 79.503   | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 40631      | 20.220   | ug/l   | 89       |
| 13) Acrolein                 | 2.233          | 56   | 35021      | 88.203   | ug/l   | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 55328      | 16.259   | ug/l   | 93       |
| 15) Acrylonitrile            | 3.056          | 53   | 69872      | 80.744   | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 49853      | 88.593   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 97171      | 16.865   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.696          | 43   | 30042      | 15.962   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 112152     | 17.429   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 37062      | 17.086   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 36155      | 16.939   | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.745          | 45   | 121046     | 17.378   | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.708          | 43   | 434078     | 91.549   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 68616      | 17.358   | ug/l   | 98       |
| 25) 2-Butanone               | 4.531          | 43   | 73676      | 81.958   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 4.464          | 77   | 61839      | 18.169   | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 42332      | 16.618   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.879          | 49   | 34659      | 19.347   | ug/l   | 85       |
| 29) Tetrahydrofuran          | 4.983          | 42   | 59178      | 92.438   | ug/l   | 97       |
| 30) Chloroform               | 5.074          | 83   | 75267      | 18.510   | ug/l   | 99       |
| 31) Cyclohexane              | 5.458          | 56   | 67453      | 19.658   | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 71589      | 19.942   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 51987      | 18.830   | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.696          | 43   | 37974      | 16.144   | ug/l # | 96       |
| 38) Carbon Tetrachloride     | 5.659          | 117  | 59473      | 18.657   | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.360          | 83   | 58799      | 16.561   | ug/l   | 97       |
| 40) Benzene                  | 6.019          | 78   | 162239     | 19.235   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
 Data File : VX048449.D  
 Acq On : 03 Nov 2025 12:21  
 Operator : JC/MD  
 Sample : VX1103WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1103WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/04/2025  
 Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:10:08 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.891  | 41   | 22908    | 19.335  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 54093    | 18.208  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.312  | 43   | 67186    | 17.300  | ug/l   | 95       |
| 44) Trichloroethene           | 7.110  | 130  | 38591    | 17.463  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 35935    | 17.059  | ug/l   | 98       |
| 46) Dibromomethane            | 7.561  | 93   | 26652    | 18.074  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.805  | 83   | 57455    | 18.338  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.671  | 41   | 32991    | 17.420  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 6805     | 316.132 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 187159   | 86.596  | ug/l   | 100      |
| 52) Toluene                   | 8.701  | 92   | 92741    | 17.597  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.964  | 75   | 53828    | 18.954  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 56442    | 18.447  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.134  | 97   | 34295    | 17.981  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 46849    | 16.775  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 57864    | 17.497  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 131528   | 85.428  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.415  | 43   | 121464   | 86.371  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.500  | 129  | 42924    | 18.197  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 35072    | 17.775  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.256  | 164  | 34637    | 19.753  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.061 | 112  | 103891   | 20.711  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.146 | 131  | 36626    | 21.465  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 173489   | 20.541  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.280 | 106  | 134991   | 42.211  | ug/l   | 99       |
| 69) o-Xylene                  | 10.622 | 106  | 63358    | 20.732  | ug/l   | 100      |
| 70) Styrene                   | 10.640 | 104  | 109893   | 21.227  | ug/l   | 99       |
| 71) Bromoform                 | 10.780 | 173  | 26290    | 21.299  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 167983   | 20.549  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 58129    | 19.933  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 42400    | 20.477  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.219 | 75   | 33504m   | 21.079  | ug/l   |          |
| 77) Bromobenzene              | 11.177 | 156  | 40521    | 20.067  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.286 | 91   | 201686   | 20.875  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.347 | 91   | 120278   | 20.734  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 140304   | 20.938  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 9223     | 20.081  | ug/l # | 65       |
| 82) 4-Chlorotoluene           | 11.439 | 91   | 143791   | 21.085  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 139109   | 20.391  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.731 | 105  | 143541   | 21.634  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.872 | 105  | 176437   | 20.756  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.987 | 119  | 148457   | 20.658  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 75803    | 19.656  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 79478    | 20.235  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.311 | 91   | 140708   | 20.854  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.518 | 117  | 26546    | 21.022  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 72500    | 20.287  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.920 | 75   | 8322     | 20.525  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.566 | 180  | 48282    | 19.579  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 21142    | 20.439  | ug/l   | 96       |
| 95) Naphthalene               | 13.755 | 128  | 121617   | 19.527  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.938 | 180  | 45326    | 20.235  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110325\  
Data File : VX048449.D  
Acq On : 03 Nov 2025 12:21  
Operator : JC/MD  
Sample : VX1103WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1103WBS01

Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:10:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

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

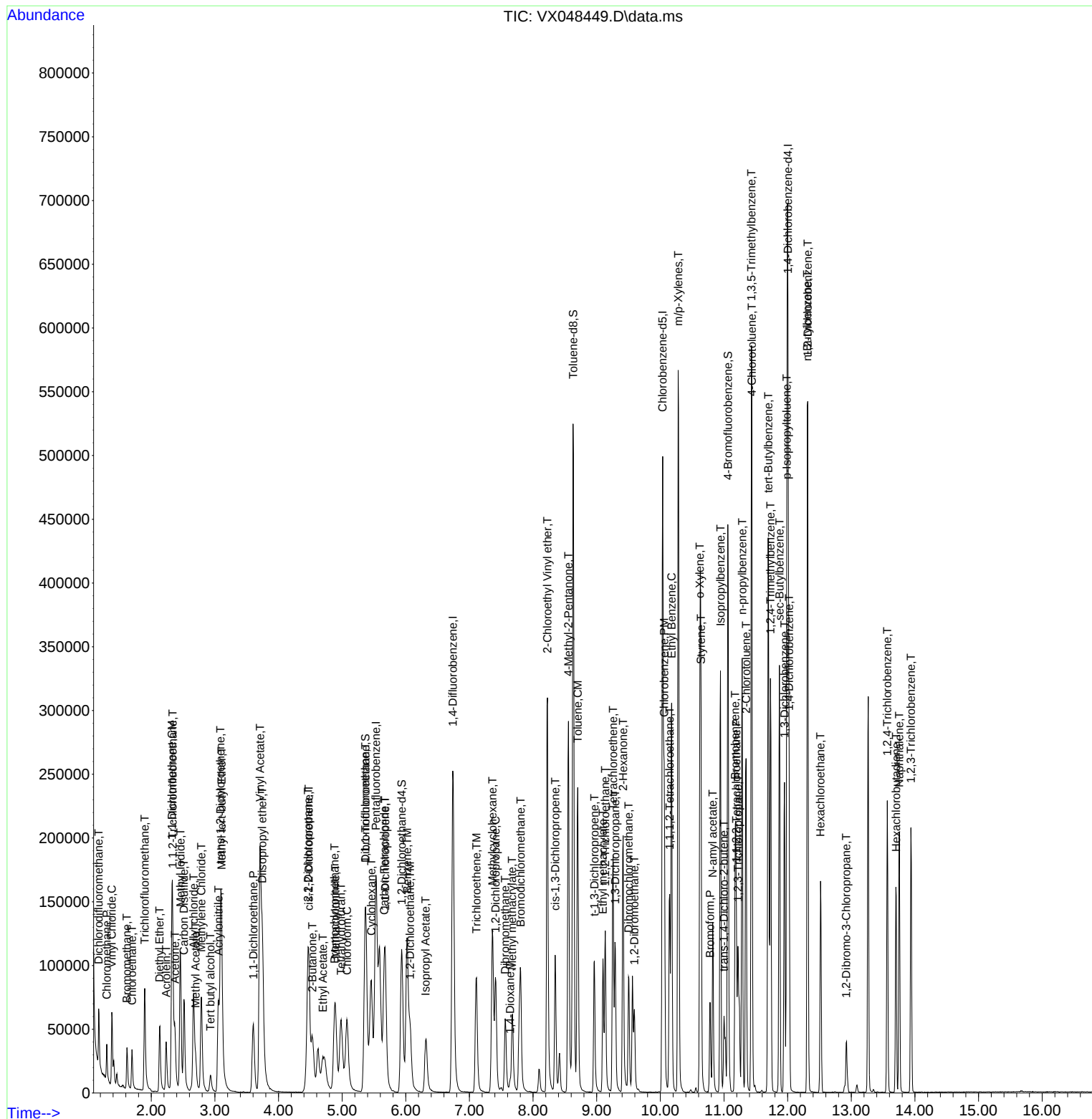
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\  
Data File : VX048449.D  
Acq On    : 03 Nov 2025 12:21  
Operator  : JC/MD  
Sample    : VX1103WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 6 Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX1103WBS01

## Manual Integrations

Reviewed By :Mahesh Dadoda 11/04/2025  
Supervised By :mohammad ahmed 11/04/2025

Quant Time: Nov 04 00:10:08 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration



### Report of Analysis

Client: Remington &amp; Vernick Engineers

Project: Maclearie Park

Client Sample ID: VY1030SBS01

Lab Sample ID: VY1030SBS01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: SOIL

% Solid: 100

Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 21.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 74-87-3        | Chloromethane                  | 20.3  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-01-4        | Vinyl Chloride                 | 20.2  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 74-83-9        | Bromomethane                   | 20.5  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-00-3        | Chloroethane                   | 21.2  |      | 1  | 1.30 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-69-4        | Trichlorofluoromethane         | 20.8  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 23.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-35-4        | 1,1-Dichloroethene             | 22.1  |      | 1  | 1.00 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 67-64-1        | Acetone                        | 140   |      | 1  | 4.70 | 25.0       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-15-0        | Carbon Disulfide               | 20.8  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 1634-04-4      | Methyl tert-butyl Ether        | 20.4  |      | 1  | 0.73 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 79-20-9        | Methyl Acetate                 | 18.4  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-09-2        | Methylene Chloride             | 21.1  |      | 1  | 3.50 | 10.0       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 156-60-5       | trans-1,2-Dichloroethene       | 21.9  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-34-3        | 1,1-Dichloroethane             | 23.1  |      | 1  | 0.80 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 110-82-7       | Cyclohexane                    | 21.9  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 78-93-3        | 2-Butanone                     | 120   |      | 1  | 6.50 | 25.0       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 56-23-5        | Carbon Tetrachloride           | 23.1  |      | 1  | 0.97 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 156-59-2       | cis-1,2-Dichloroethene         | 22.5  |      | 1  | 0.75 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 74-97-5        | Bromochloromethane             | 22.4  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 67-66-3        | Chloroform                     | 23.2  |      | 1  | 0.84 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 71-55-6        | 1,1,1-Trichloroethane          | 23.3  |      | 1  | 0.93 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 108-87-2       | Methylcyclohexane              | 21.6  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 71-43-2        | Benzene                        | 23.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 107-06-2       | 1,2-Dichloroethane             | 22.1  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 79-01-6        | Trichloroethene                | 22.6  |      | 1  | 0.81 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 78-87-5        | 1,2-Dichloropropane            | 23.3  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-27-4        | Bromodichloromethane           | 22.7  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 100   |      | 1  | 3.60 | 25.0       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 108-88-3       | Toluene                        | 23.0  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 10061-02-6     | t-1,3-Dichloropropene          | 21.3  |      | 1  | 0.65 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 22.1  |      | 1  | 0.62 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 79-00-5        | 1,1,2-Trichloroethane          | 22.2  |      | 1  | 0.92 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 591-78-6       | 2-Hexanone                     | 110   |      | 1  | 3.70 | 25.0       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 124-48-1       | Dibromochloromethane           | 21.7  |      | 1  | 0.87 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 106-93-4       | 1,2-Dibromoethane              | 21.0  |      | 1  | 0.88 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 127-18-4       | Tetrachloroethene              | 22.4  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 108-90-7       | Chlorobenzene                  | 22.6  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 100-41-4       | Ethyl Benzene                  | 22.7  |      | 1  | 0.67 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 179601-23-1    | m/p-Xylenes                    | 46.0  |      | 1  | 1.20 | 10.0       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 95-47-6        | o-Xylene                       | 22.3  |      | 1  | 0.82 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 100-42-5       | Styrene                        | 22.6  |      | 1  | 0.71 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |
| 75-25-2        | Bromoform                      | 21.2  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/30/25 10:36 | VY103025 |



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

## Report of Analysis

Client: Remington & Vernick Engineers  
Project: Maclearie Park  
Client Sample ID: VY1030SBS01  
Lab Sample ID: VY1030SBS01  
Analytical Method: 8260D  
Sample Wt/Vol: 5 g

Level: LOW  
Final Vol: 5000 uL

Date Collected:  
Date Received:  
SDG No.: Q3495  
Matrix: SOIL  
% Solid: 100  
Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 22.8              |      | 1  | 0.78     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 21.2              |      | 1  | 1.20     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 22.4              |      | 1  | 1.70     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 22.3              |      | 1  | 1.60     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 22.2              |      | 1  | 1.50     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.0              |      | 1  | 1.80     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 20.6              |      | 1  | 3.00     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.8              |      | 1  | 3.20     | 5.00       | ug/Kg   | 10/30/25 10:36 | VY103025 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 48.8              |      |    | 63 - 155 | 98%        | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 51.5              |      |    | 70 - 134 | 103%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 50.4              |      |    | 74 - 123 | 101%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.9              |      |    | 17 - 146 | 100%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 460000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 680000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 589000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 307000            |      |    |          |            |         |                |          |

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\_Y\Data\VY103025\  
 Data File : VY023622.D  
 Acq On : 30 Oct 2025 10:36  
 Operator : SY/MD  
 Sample : VY1030SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1030SBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/31/2025  
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:35:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 459671     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 679981     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.414         | 117  | 588601     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 307493     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 187438     | 48.763   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = | 97.520%  |        |          |
| 35) Dibromofluoromethane     | 7.634          | 113  | 215074     | 51.476   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = | 102.960% |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 784064     | 50.390   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = | 100.780% |        |          |
| 62) 4-Bromofluorobenzene     | 12.401         | 95   | 256116     | 49.856   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = | 99.720%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 69638      | 21.047   | ug/l   | 98       |
| 3) Chloromethane             | 2.074          | 50   | 91679      | 20.340   | ug/l   | 100      |
| 4) Vinyl Chloride            | 2.208          | 62   | 118744     | 20.227   | ug/l   | 97       |
| 5) Bromomethane              | 2.598          | 94   | 101139     | 20.529   | ug/l   | 97       |
| 6) Chloroethane              | 2.739          | 64   | 84963      | 21.231   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 169829     | 20.835   | ug/l   | 99       |
| 8) Diethyl Ether             | 3.458          | 74   | 43940      | 20.629   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 3.824          | 101  | 97149      | 22.967   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 103415     | 21.961   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 4.866          | 59   | 24403      | 85.337   | ug/l # | 94       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 90723      | 22.126   | ug/l   | 94       |
| 13) Acrolein                 | 3.659          | 56   | 17727      | 43.871   | ug/l   | 98       |
| 14) Allyl chloride           | 4.391          | 41   | 109658     | 21.944   | ug/l   | 98       |
| 15) Acrylonitrile            | 5.061          | 53   | 84535      | 103.707  | ug/l   | 99       |
| 16) Acetone                  | 3.873          | 43   | 125341     | 136.970  | ug/l   | 98       |
| 17) Carbon Disulfide         | 4.110          | 76   | 244039     | 20.795   | ug/l   | 100      |
| 18) Methyl Acetate           | 4.391          | 43   | 44209      | 18.417   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 5.122          | 73   | 200607     | 20.356   | ug/l   | 98       |
| 20) Methylene Chloride       | 4.622          | 84   | 104585     | 21.136   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 5.116          | 96   | 98902      | 21.908   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.018          | 45   | 255018     | 23.071   | ug/l   | 93       |
| 23) Vinyl Acetate            | 5.970          | 43   | 641109     | 107.153  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 169305     | 23.123   | ug/l   | 96       |
| 25) 2-Butanone               | 6.896          | 43   | 130303     | 116.635  | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 156784     | 23.336   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 6.896          | 96   | 117449     | 22.523   | ug/l   | 99       |
| 28) Bromochloromethane       | 7.250          | 49   | 61199      | 22.389   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 60118      | 94.895   | ug/l   | 99       |
| 30) Chloroform               | 7.427          | 83   | 186695     | 23.207   | ug/l   | 99       |
| 31) Cyclohexane              | 7.707          | 56   | 139846     | 21.870   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 170215     | 23.283   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 126319     | 22.837   | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.988          | 43   | 44397      | 20.260   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 155145     | 23.131   | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.109          | 83   | 155883     | 21.644   | ug/l   | 95       |
| 40) Benzene                  | 8.085          | 78   | 407587     | 23.267   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023622.D  
 Acq On : 30 Oct 2025 10:36  
 Operator : SY/MD  
 Sample : VY1030SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1030SBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/31/2025  
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:35:19 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 41) Methacrylonitrile         | 7.226  | 41   | 22212    | 18.741  | ug/l  | 92       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 99637    | 22.054  | ug/l  | 100      |
| 43) Isopropyl Acetate         | 8.201  | 43   | 86806    | 19.865  | ug/l  | 99       |
| 44) Trichloroethene           | 8.866  | 130  | 115895   | 22.604  | ug/l  | 95       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 90028    | 23.268  | ug/l  | 99       |
| 46) Dibromomethane            | 9.231  | 93   | 54135    | 22.126  | ug/l  | 97       |
| 47) Bromodichloromethane      | 9.426  | 83   | 139891   | 22.702  | ug/l  | 98       |
| 48) Methyl methacrylate       | 9.225  | 41   | 40241    | 19.603  | ug/l  | 99       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 10102    | 356.120 | ug/l  | 93       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 225713   | 99.976  | ug/l  | 98       |
| 52) Toluene                   | 10.170 | 92   | 261425   | 22.985  | ug/l  | 99       |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 114172   | 21.309  | ug/l  | 97       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 139983   | 22.137  | ug/l  | 99       |
| 55) 1,1,2-Trichloroethane     | 10.573 | 97   | 72889    | 22.154  | ug/l  | 95       |
| 56) Ethyl methacrylate        | 10.438 | 69   | 73151    | 19.275  | ug/l  | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 114330   | 21.929  | ug/l  | 97       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 167064   | 98.265  | ug/l  | 99       |
| 59) 2-Hexanone                | 10.762 | 43   | 177538   | 110.037 | ug/l  | 98       |
| 60) Dibromochloromethane      | 10.914 | 129  | 99923    | 21.662  | ug/l  | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 65766    | 20.960  | ug/l  | 99       |
| 64) Tetrachloroethene         | 10.646 | 164  | 136363   | 22.437  | ug/l  | 96       |
| 65) Chlorobenzene             | 11.444 | 112  | 289053   | 22.579  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.518 | 131  | 103496   | 22.687  | ug/l  | 99       |
| 67) Ethyl Benzene             | 11.518 | 91   | 469846   | 22.674  | ug/l  | 100      |
| 68) m/p-Xylenes               | 11.627 | 106  | 381976   | 45.957  | ug/l  | 98       |
| 69) o-Xylene                  | 11.956 | 106  | 173592   | 22.267  | ug/l  | 100      |
| 70) Styrene                   | 11.969 | 104  | 290263   | 22.641  | ug/l  | 100      |
| 71) Bromoform                 | 12.133 | 173  | 59960    | 21.189  | ug/l  | 99       |
| 73) Isopropylbenzene          | 12.255 | 105  | 461059   | 22.752  | ug/l  | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 70102    | 19.260  | ug/l  | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 70253    | 21.197  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 52478m   | 19.344  | ug/l  |          |
| 77) Bromobenzene              | 12.530 | 156  | 118552   | 22.006  | ug/l  | 98       |
| 78) n-propylbenzene           | 12.597 | 91   | 549817   | 23.447  | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 12.676 | 91   | 316917   | 23.078  | ug/l  | 100      |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 375738   | 22.946  | ug/l  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 22289    | 20.147  | ug/l  | 96       |
| 82) 4-Chlorotoluene           | 12.773 | 91   | 326170   | 23.063  | ug/l  | 100      |
| 83) tert-Butylbenzene         | 12.999 | 119  | 343249   | 22.703  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 377228   | 23.083  | ug/l  | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 506562   | 23.357  | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 13.292 | 119  | 424544   | 22.991  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 234716   | 22.374  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 231425   | 22.336  | ug/l  | 99       |
| 89) n-Butylbenzene            | 13.615 | 91   | 366275   | 22.764  | ug/l  | 98       |
| 90) Hexachloroethane          | 13.877 | 117  | 91854    | 23.127  | ug/l  | 94       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 204092   | 22.190  | ug/l  | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 10894    | 20.032  | ug/l  | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 117924   | 20.566  | ug/l  | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 81151    | 22.704  | ug/l  | 99       |
| 95) Naphthalene               | 15.145 | 128  | 166148   | 18.197  | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 98543    | 19.841  | ug/l  | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023622.D  
Acq On : 30 Oct 2025 10:36  
Operator : SY/MD  
Sample : VY1030SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBS01

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/31/2025  
Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:35:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

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

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

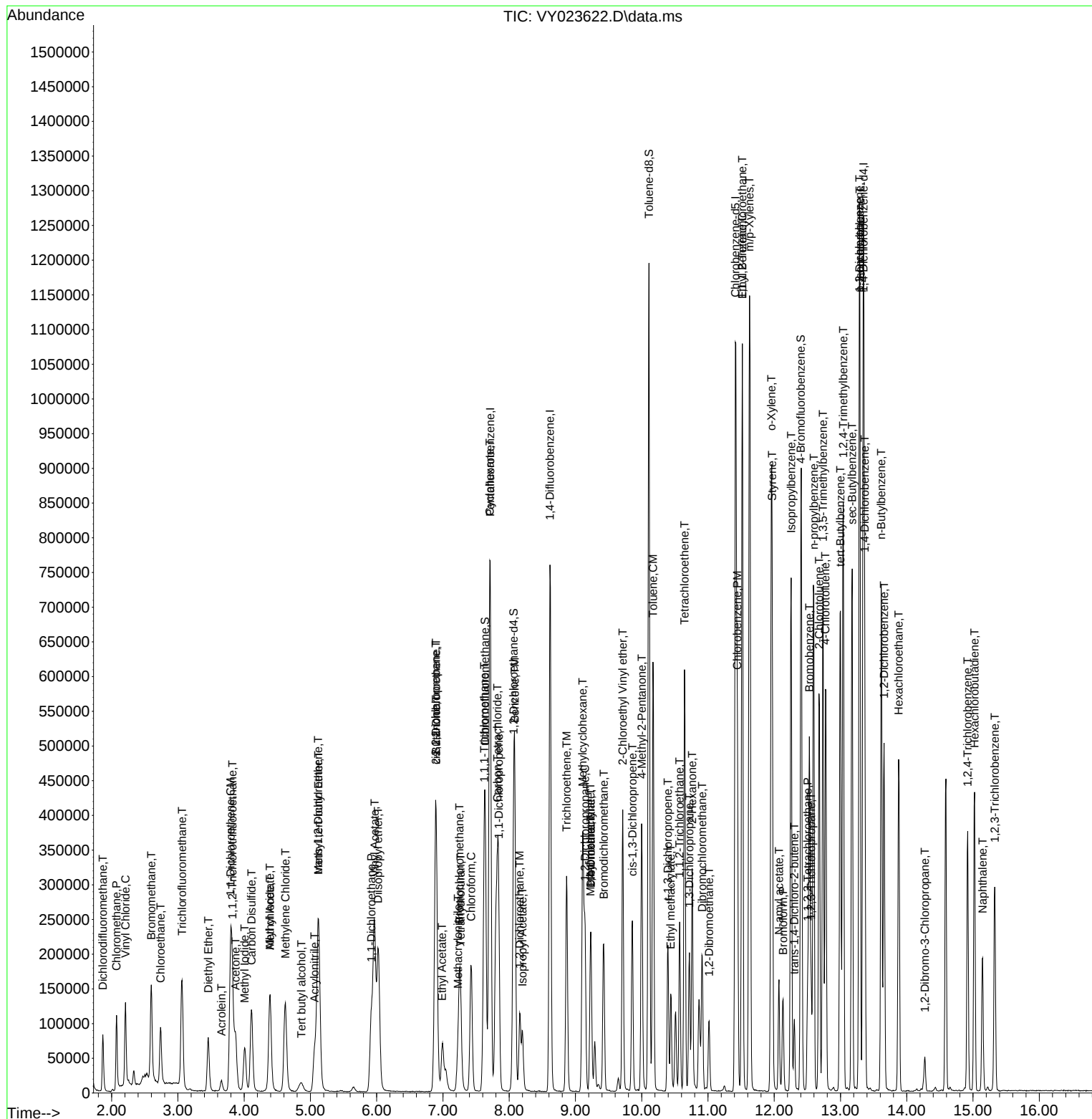
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023622.D  
Acq On : 30 Oct 2025 10:36  
Operator : SY/MD  
Sample : VY1030SBS01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY1030SBS01

## Manual Integrations APPROVED

Reviewed By :Amit Patel 10/31/2025  
Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:35:19 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration



### Report of Analysis

Client: Remington &amp; Vernick Engineers

Project: Maclearie Park

Client Sample ID: VX1031WBSD01

Lab Sample ID: VX1031WBSD01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 mL

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: Water

% Solid: 0

Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL   | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|-------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |       |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 18.5  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 74-87-3        | Chloromethane                  | 19.4  |      | 1  | 0.32  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-01-4        | Vinyl Chloride                 | 18.2  |      | 1  | 0.26  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 74-83-9        | Bromomethane                   | 21.1  |      | 1  | 1.40  | 5.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-00-3        | Chloroethane                   | 17.8  |      | 1  | 0.47  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-69-4        | Trichlorofluoromethane         | 18.4  |      | 1  | 0.33  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 19.1  |      | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-35-4        | 1,1-Dichloroethene             | 18.5  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 67-64-1        | Acetone                        | 95.9  |      | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-15-0        | Carbon Disulfide               | 18.6  |      | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 1634-04-4      | Methyl tert-butyl Ether        | 18.9  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 79-20-9        | Methyl Acetate                 | 17.7  |      | 1  | 0.27  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-09-2        | Methylene Chloride             | 18.8  |      | 1  | 0.28  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.6  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-34-3        | 1,1-Dichloroethane             | 18.8  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 110-82-7       | Cyclohexane                    | 19.2  |      | 1  | 1.50  | 5.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 78-93-3        | 2-Butanone                     | 99.3  |      | 1  | 0.98  | 5.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 56-23-5        | Carbon Tetrachloride           | 18.4  |      | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.6  |      | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 74-97-5        | Bromochloromethane             | 15.7  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 67-66-3        | Chloroform                     | 19.2  |      | 1  | 0.25  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 71-55-6        | 1,1,1-Trichloroethane          | 18.9  |      | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 108-87-2       | Methylcyclohexane              | 18.6  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 71-43-2        | Benzene                        | 19.1  |      | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 107-06-2       | 1,2-Dichloroethane             | 18.8  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 79-01-6        | Trichloroethene                | 18.6  |      | 1  | 0.090 | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 78-87-5        | 1,2-Dichloropropane            | 18.9  |      | 1  | 0.20  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-27-4        | Bromodichloromethane           | 19.0  |      | 1  | 0.22  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 98.2  |      | 1  | 0.68  | 5.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 108-88-3       | Toluene                        | 19.2  |      | 1  | 0.14  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 10061-02-6     | t-1,3-Dichloropropene          | 20.2  |      | 1  | 0.17  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 20.1  |      | 1  | 0.16  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 79-00-5        | 1,1,2-Trichloroethane          | 19.3  |      | 1  | 0.21  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 591-78-6       | 2-Hexanone                     | 100   |      | 1  | 0.89  | 5.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 124-48-1       | Dibromochloromethane           | 19.5  |      | 1  | 0.18  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 106-93-4       | 1,2-Dibromoethane              | 19.9  |      | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 127-18-4       | Tetrachloroethene              | 19.0  |      | 1  | 0.23  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 108-90-7       | Chlorobenzene                  | 19.0  |      | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 100-41-4       | Ethyl Benzene                  | 19.1  |      | 1  | 0.13  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 179601-23-1    | m/p-Xylenes                    | 38.6  |      | 1  | 0.24  | 2.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 95-47-6        | o-Xylene                       | 19.3  |      | 1  | 0.12  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 100-42-5       | Styrene                        | 19.6  |      | 1  | 0.15  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |
| 75-25-2        | Bromoform                      | 19.6  |      | 1  | 0.19  | 1.00       | ug/L  | 10/31/25 11:00 | VX103125 |

### Report of Analysis

Client: Remington & Vernick Engineers  
 Project: Maclearie Park  
 Client Sample ID: VX1031WBSD01  
 Lab Sample ID: VX1031WBSD01  
 Analytical Method: 8260D  
 Sample Wt/Vol: 5 mL

Level: LOW  
 Final Vol: 5000 uL

Date Collected:  
 Date Received:  
 SDG No.: Q3495  
 Matrix: Water  
 % Solid: 0  
 Test: VOC-TCLVOA-10

| CAS Number                | Parameter                   | Conc.             | Qua. | DF | MDL      | LOQ / CRQL | Units   | Date Ana.      | BatchID  |
|---------------------------|-----------------------------|-------------------|------|----|----------|------------|---------|----------------|----------|
| 98-82-8                   | Isopropylbenzene            | 19.2              |      | 1  | 0.12     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.3              |      | 1  | 0.26     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 541-73-1                  | 1,3-Dichlorobenzene         | 18.8              |      | 1  | 0.16     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 106-46-7                  | 1,4-Dichlorobenzene         | 18.7              |      | 1  | 0.19     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 95-50-1                   | 1,2-Dichlorobenzene         | 19.2              |      | 1  | 0.16     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 19.2              |      | 1  | 0.53     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.8              |      | 1  | 0.20     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.3              |      | 1  | 0.20     | 1.00       | ug/L    | 10/31/25 11:00 | VX103125 |
| <b>SURROGATES</b>         |                             |                   |      |    |          |            |         |                |          |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.5              |      |    | 74 - 125 | 105%       | SPK: 50 |                |          |
| 1868-53-7                 | Dibromofluoromethane        | 51.3              |      |    | 75 - 124 | 103%       | SPK: 50 |                |          |
| 2037-26-5                 | Toluene-d8                  | 50.8              |      |    | 86 - 113 | 102%       | SPK: 50 |                |          |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.7              |      |    | 77 - 121 | 101%       | SPK: 50 |                |          |
| <b>INTERNAL STANDARDS</b> |                             |                   |      |    |          |            |         |                |          |
|                           |                             | <b>Area Count</b> |      |    |          |            |         |                |          |
| 363-72-4                  | Pentafluorobenzene          | 162000            |      |    |          |            |         |                |          |
| 540-36-3                  | 1,4-Difluorobenzene         | 275000            |      |    |          |            |         |                |          |
| 3114-55-4                 | Chlorobenzene-d5            | 245000            |      |    |          |            |         |                |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 121000            |      |    |          |            |         |                |          |

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\_X\Data\VX103125\  
 Data File : VX048420.D  
 Acq On : 31 Oct 2025 11:00  
 Operator : JC/MD  
 Sample : VX1031WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:01:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.532          | 168  | 161570              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.739          | 114  | 274506              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.037         | 117  | 244643              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.006         | 152  | 120989              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.934          | 65   | 121990              | 52.500  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 105.000% |         |        |          |
| 35) Dibromofluoromethane     | 5.367          | 113  | 80296               | 51.305  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.620% |         |        |          |
| 50) Toluene-d8               | 8.629          | 98   | 351196              | 50.835  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.660% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.061         | 95   | 131002              | 50.690  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 101.380% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 30494               | 18.503  | ug/l   | 94       |
| 3) Chloromethane             | 1.301          | 50   | 18075               | 19.438  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.380          | 62   | 39077               | 18.193  | ug/l   | 100      |
| 5) Bromomethane              | 1.618          | 94   | 16402               | 21.139  | ug/l   | 98       |
| 6) Chloroethane              | 1.697          | 64   | 22762               | 17.819  | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 1.898          | 101  | 60662               | 18.430  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.136          | 74   | 22272               | 18.722  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.337          | 101  | 35418               | 19.130  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.459          | 142  | 130875              | 17.579  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.928          | 59   | 17091               | 96.005  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 34874               | 18.544  | ug/l   | 88       |
| 13) Acrolein                 | 2.233          | 56   | 40216               | 108.227 | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 58158               | 18.261  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.056          | 53   | 78697               | 97.173  | ug/l   | 100      |
| 16) Acetone                  | 2.374          | 43   | 50483               | 95.859  | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 100451              | 18.629  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 31095               | 17.654  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 113952              | 18.922  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 38121               | 18.778  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 37222               | 18.634  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.745          | 45   | 128250              | 19.674  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.709          | 43   | 460094              | 103.684 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 69497               | 18.786  | ug/l   | 99       |
| 25) 2-Butanone               | 4.532          | 43   | 83531               | 99.287  | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 58530               | 18.375  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.471          | 96   | 44255               | 18.563  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.879          | 49   | 26393               | 15.742  | ug/l   | 95       |
| 29) Tetrahydrofuran          | 4.983          | 42   | 58365               | 97.415  | ug/l   | 97       |
| 30) Chloroform               | 5.080          | 83   | 73125               | 19.215  | ug/l   | 98       |
| 31) Cyclohexane              | 5.452          | 56   | 61751               | 19.230  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 63488               | 18.897  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 47270               | 17.986  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.690          | 43   | 42420               | 18.944  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.660          | 117  | 55695               | 18.354  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.361          | 83   | 62928               | 18.619  | ug/l   | 95       |
| 40) Benzene                  | 6.019          | 78   | 153418              | 19.108  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048420.D  
 Acq On : 31 Oct 2025 11:00  
 Operator : JC/MD  
 Sample : VX1031WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:01:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.898  | 41   | 22417    | 19.875  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.068  | 62   | 53231    | 18.822  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.318  | 43   | 71782    | 19.417  | ug/l   | 98       |
| 44) Trichloroethene           | 7.104  | 130  | 39096    | 18.585  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.409  | 63   | 37882    | 18.892  | ug/l   | 98       |
| 46) Dibromomethane            | 7.562  | 93   | 26542    | 18.908  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.806  | 83   | 56538    | 18.956  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.671  | 41   | 35618    | 19.757  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.641  | 88   | 7982     | 389.529 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.555  | 43   | 202059   | 98.209  | ug/l   | 97       |
| 52) Toluene                   | 8.702  | 92   | 96172    | 19.169  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.958  | 75   | 54733    | 20.246  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.348  | 75   | 58436    | 20.063  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.135  | 97   | 35108    | 19.337  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.098  | 69   | 51530    | 19.383  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.293  | 76   | 61570    | 19.558  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.226  | 63   | 122433   | 83.740  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.409  | 43   | 134368   | 100.370 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.500  | 129  | 43745    | 19.481  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.592  | 107  | 37461    | 19.944  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.257  | 164  | 37371    | 18.968  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.061 | 112  | 106960   | 18.978  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.147 | 131  | 37289    | 19.450  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.177 | 91   | 181307   | 19.106  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.281 | 106  | 138523   | 38.553  | ug/l   | 99       |
| 69) o-Xylene                  | 10.622 | 106  | 66164    | 19.270  | ug/l   | 97       |
| 70) Styrene                   | 10.634 | 104  | 114200   | 19.634  | ug/l   | 99       |
| 71) Bromoform                 | 10.781 | 173  | 27189    | 19.605  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.945 | 105  | 172095   | 19.231  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.823 | 43   | 62496    | 19.576  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 43694    | 19.276  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.220 | 75   | 35410m   | 20.351  | ug/l   |          |
| 77) Bromobenzene              | 11.183 | 156  | 41905    | 18.957  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.287 | 91   | 204552   | 19.340  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.348 | 91   | 122479   | 19.287  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.433 | 105  | 144041   | 19.636  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.000 | 75   | 10132    | 20.151  | ug/l # | 74       |
| 82) 4-Chlorotoluene           | 11.433 | 91   | 143821   | 19.265  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.695 | 119  | 141153   | 18.901  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.732 | 105  | 145275   | 20.001  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.872 | 105  | 181081   | 19.460  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.988 | 119  | 153473   | 19.509  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.951 | 146  | 79392    | 18.806  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.024 | 146  | 80329    | 18.682  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.311 | 91   | 142581   | 19.304  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.518 | 117  | 26530    | 19.192  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.317 | 146  | 75072    | 19.189  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.921 | 75   | 8511     | 19.175  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.567 | 180  | 50772    | 18.807  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.707 | 225  | 21954    | 19.388  | ug/l   | 96       |
| 95) Naphthalene               | 13.756 | 128  | 131415   | 19.275  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.939 | 180  | 47353    | 19.311  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
Data File : VX048420.D  
Acq On : 31 Oct 2025 11:00  
Operator : JC/MD  
Sample : VX1031WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1031WBSD01

Manual Integrations  
**APPROVED**

Reviewed By :Amit Patel 11/03/2025  
Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:01:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

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

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

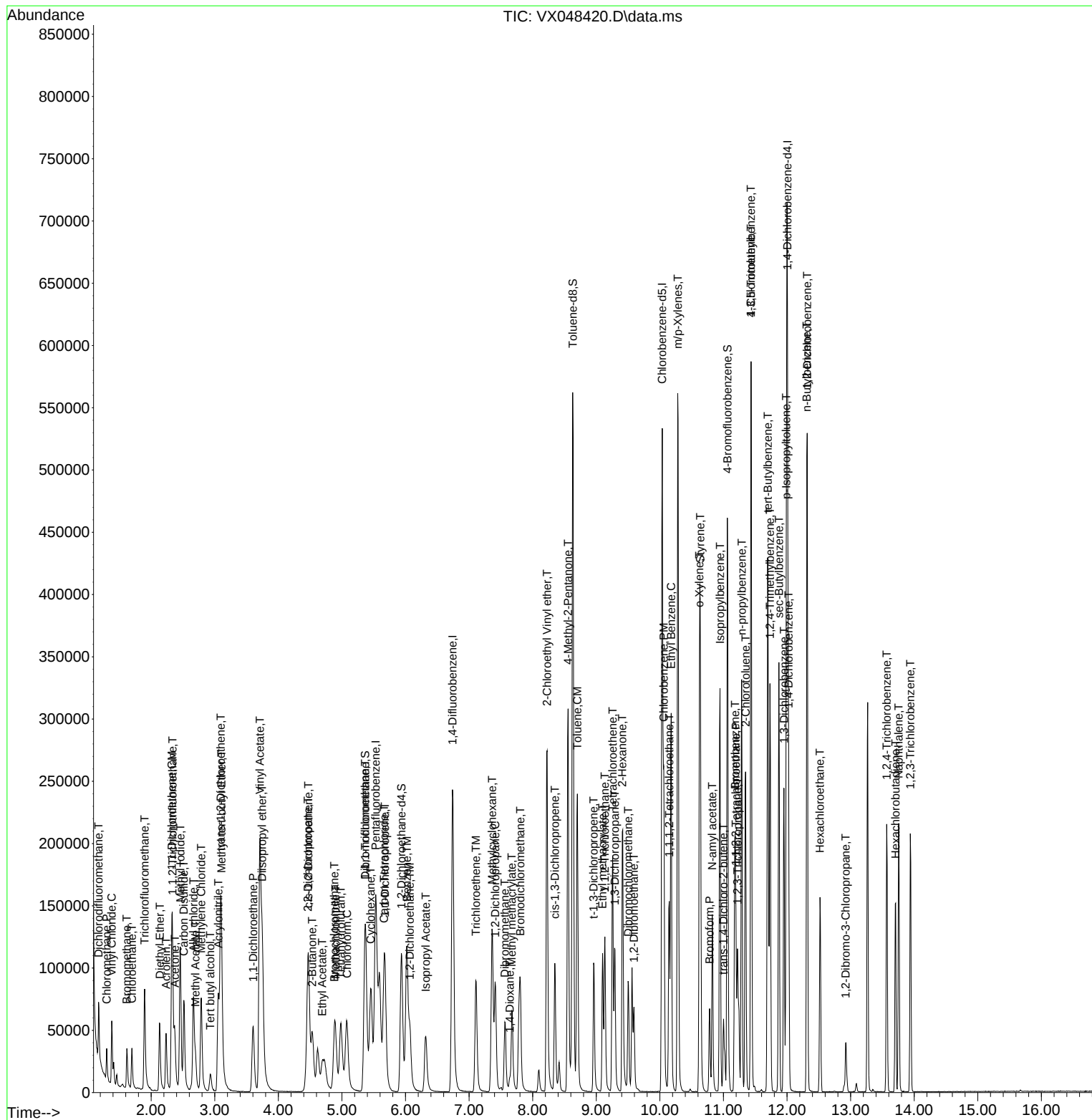
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX103125\  
 Data File : VX048420.D  
 Acq On : 31 Oct 2025 11:00  
 Operator : JC/MD  
 Sample : VX1031WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1031WBSD01

### Manual Integrations APPROVED

Reviewed By :Amit Patel 11/03/2025  
 Supervised By :Mahesh Dadoda 11/03/2025

Quant Time: Oct 31 23:01:13 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration



### Report of Analysis

Client: Remington &amp; Vernick Engineers

Project: Maclearie Park

Client Sample ID: VY1030SBSD01

Lab Sample ID: VY1030SBSD01

Analytical Method: 8260D

Level: LOW

Sample Wt/Vol: 5 g

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: SOIL

% Solid: 100

Test: VOC-TCLVOA-10

| CAS Number     | Parameter                      | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|----------------|--------------------------------|-------|------|----|------|------------|-------|----------------|----------|
| <b>TARGETS</b> |                                |       |      |    |      |            |       |                |          |
| 75-71-8        | Dichlorodifluoromethane        | 22.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 74-87-3        | Chloromethane                  | 20.8  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-01-4        | Vinyl Chloride                 | 21.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 74-83-9        | Bromomethane                   | 21.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-00-3        | Chloroethane                   | 22.1  |      | 1  | 1.30 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-69-4        | Trichlorofluoromethane         | 22.3  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 24.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-35-4        | 1,1-Dichloroethene             | 22.6  |      | 1  | 1.00 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 67-64-1        | Acetone                        | 150   |      | 1  | 4.70 | 25.0       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-15-0        | Carbon Disulfide               | 21.7  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.5  |      | 1  | 0.73 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 79-20-9        | Methyl Acetate                 | 20.1  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-09-2        | Methylene Chloride             | 22.1  |      | 1  | 3.50 | 10.0       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 156-60-5       | trans-1,2-Dichloroethene       | 23.1  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-34-3        | 1,1-Dichloroethane             | 24.3  |      | 1  | 0.80 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 110-82-7       | Cyclohexane                    | 22.1  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 78-93-3        | 2-Butanone                     | 130   |      | 1  | 6.50 | 25.0       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 56-23-5        | Carbon Tetrachloride           | 24.0  |      | 1  | 0.97 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 156-59-2       | cis-1,2-Dichloroethene         | 23.1  |      | 1  | 0.75 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 74-97-5        | Bromochloromethane             | 23.2  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 67-66-3        | Chloroform                     | 24.4  |      | 1  | 0.84 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 71-55-6        | 1,1,1-Trichloroethane          | 24.3  |      | 1  | 0.93 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 108-87-2       | Methylcyclohexane              | 22.9  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 71-43-2        | Benzene                        | 24.1  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 107-06-2       | 1,2-Dichloroethane             | 23.3  |      | 1  | 0.79 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 79-01-6        | Trichloroethene                | 23.4  |      | 1  | 0.81 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 78-87-5        | 1,2-Dichloropropane            | 24.6  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-27-4        | Bromodichloromethane           | 23.9  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |      | 1  | 3.60 | 25.0       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 108-88-3       | Toluene                        | 24.3  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 10061-02-6     | t-1,3-Dichloropropene          | 22.3  |      | 1  | 0.65 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 23.8  |      | 1  | 0.62 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 79-00-5        | 1,1,2-Trichloroethane          | 23.4  |      | 1  | 0.92 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 591-78-6       | 2-Hexanone                     | 120   |      | 1  | 3.70 | 25.0       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 124-48-1       | Dibromochloromethane           | 23.0  |      | 1  | 0.87 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 106-93-4       | 1,2-Dibromoethane              | 22.6  |      | 1  | 0.88 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 127-18-4       | Tetrachloroethene              | 23.0  |      | 1  | 1.10 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 108-90-7       | Chlorobenzene                  | 23.4  |      | 1  | 0.91 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 100-41-4       | Ethyl Benzene                  | 23.6  |      | 1  | 0.67 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 179601-23-1    | m/p-Xylenes                    | 47.8  |      | 1  | 1.20 | 10.0       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 95-47-6        | o-Xylene                       | 23.5  |      | 1  | 0.82 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 100-42-5       | Styrene                        | 23.3  |      | 1  | 0.71 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 75-25-2        | Bromoform                      | 22.2  |      | 1  | 0.86 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |



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

## Report of Analysis

Client: Remington & Vernick Engineers

Project: Maclearie Park

Client Sample ID: VY1030SBSD01

Lab Sample ID: VY1030SBSD01

Analytical Method: 8260D

Sample Wt/Vol: 5 g

Level: LOW

Final Vol: 5000 uL

Date Collected:

Date Received:

SDG No.: Q3495

Matrix: SOIL

% Solid: 100

Test: VOC-TCLVOA-10

| CAS Number | Parameter                   | Conc. | Qua. | DF | MDL  | LOQ / CRQL | Units | Date Ana.      | BatchID  |
|------------|-----------------------------|-------|------|----|------|------------|-------|----------------|----------|
| 98-82-8    | Isopropylbenzene            | 23.9  |      | 1  | 0.78 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 79-34-5    | 1,1,2,2-Tetrachloroethane   | 22.5  |      | 1  | 1.20 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 541-73-1   | 1,3-Dichlorobenzene         | 23.5  |      | 1  | 1.70 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 106-46-7   | 1,4-Dichlorobenzene         | 23.5  |      | 1  | 1.60 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 95-50-1    | 1,2-Dichlorobenzene         | 23.2  |      | 1  | 1.50 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 96-12-8    | 1,2-Dibromo-3-Chloropropane | 21.4  |      | 1  | 1.80 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 120-82-1   | 1,2,4-Trichlorobenzene      | 21.7  |      | 1  | 3.00 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |
| 87-61-6    | 1,2,3-Trichlorobenzene      | 21.5  |      | 1  | 3.20 | 5.00       | ug/Kg | 10/30/25 11:09 | VY103025 |

### SURROGATES

|            |                       |      |  |  |          |      |         |
|------------|-----------------------|------|--|--|----------|------|---------|
| 17060-07-0 | 1,2-Dichloroethane-d4 | 52.8 |  |  | 63 - 155 | 106% | SPK: 50 |
| 1868-53-7  | Dibromofluoromethane  | 54.1 |  |  | 70 - 134 | 108% | SPK: 50 |
| 2037-26-5  | Toluene-d8            | 53.1 |  |  | 74 - 123 | 106% | SPK: 50 |
| 460-00-4   | 4-Bromofluorobenzene  | 51.9 |  |  | 17 - 146 | 104% | SPK: 50 |

### INTERNAL STANDARDS

|           |                        |        |
|-----------|------------------------|--------|
| 363-72-4  | Pentafluorobenzene     | 451000 |
| 540-36-3  | 1,4-Difluorobenzene    | 658000 |
| 3114-55-4 | Chlorobenzene-d5       | 579000 |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 301000 |

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\_Y\Data\VY103025\  
 Data File : VY023623.D  
 Acq On : 30 Oct 2025 11:09  
 Operator : SY/MD  
 Sample : VY1030SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1030SBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/31/2025  
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:36:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 7.713          | 168  | 451310              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.616          | 114  | 657731              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.420         | 117  | 578799              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.346         | 152  | 300735              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.067          | 65   | 199138              | 52.767  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 50 - 163 |      | Recovery = 105.540% |         |        |          |
| 35) Dibromofluoromethane     | 7.640          | 113  | 218654              | 54.103  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 54 - 147 |      | Recovery = 108.200% |         |        |          |
| 50) Toluene-d8               | 10.109         | 98   | 798548              | 53.057  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 134 |      | Recovery = 106.120% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.408         | 95   | 257937              | 51.909  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 30 - 143 |      | Recovery = 103.820% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.867          | 85   | 71368               | 21.970  | ug/l   | 95       |
| 3) Chloromethane             | 2.074          | 50   | 91896               | 20.766  | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.208          | 62   | 122806              | 21.306  | ug/l   | 99       |
| 5) Bromomethane              | 2.598          | 94   | 101637              | 21.012  | ug/l   | 96       |
| 6) Chloroethane              | 2.739          | 64   | 86759               | 22.082  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.062          | 101  | 178519              | 22.306  | ug/l   | 100      |
| 8) Diethyl Ether             | 3.458          | 74   | 45607               | 21.809  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 3.824          | 101  | 99620               | 23.988  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.007          | 142  | 109664              | 23.720  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.854          | 59   | 27835               | 99.142  | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 3.793          | 96   | 91031               | 22.612  | ug/l   | 88       |
| 13) Acrolein                 | 3.653          | 56   | 18278               | 46.073  | ug/l   | 100      |
| 14) Allyl chloride           | 4.391          | 41   | 113711              | 23.176  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.061          | 53   | 89051               | 111.271 | ug/l   | 98       |
| 16) Acetone                  | 3.872          | 43   | 136960              | 152.440 | ug/l   | 100      |
| 17) Carbon Disulfide         | 4.110          | 76   | 249767              | 21.677  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.391          | 43   | 47352               | 20.091  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.116          | 73   | 208323              | 21.531  | ug/l   | 93       |
| 20) Methylene Chloride       | 4.616          | 84   | 107129              | 22.051  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 5.122          | 96   | 102517              | 23.130  | ug/l   | 97       |
| 22) Diisopropyl ether        | 6.018          | 45   | 261606              | 24.105  | ug/l   | 94       |
| 23) Vinyl Acetate            | 5.964          | 43   | 665342              | 113.264 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 5.921          | 63   | 174672              | 24.298  | ug/l   | 97       |
| 25) 2-Butanone               | 6.896          | 43   | 139880              | 127.527 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 6.890          | 77   | 161688              | 24.511  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 6.890          | 96   | 118235              | 23.094  | ug/l   | 99       |
| 28) Bromochloromethane       | 7.250          | 49   | 62282               | 23.207  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 7.268          | 42   | 64160               | 103.151 | ug/l   | 98       |
| 30) Chloroform               | 7.427          | 83   | 192487              | 24.371  | ug/l   | 98       |
| 31) Cyclohexane              | 7.707          | 56   | 138669              | 22.088  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 7.622          | 97   | 174489              | 24.310  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.841          | 75   | 127719              | 23.871  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.988          | 43   | 46143               | 21.769  | ug/l # | 95       |
| 38) Carbon Tetrachloride     | 7.823          | 117  | 155466              | 23.963  | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.115          | 83   | 159529              | 22.900  | ug/l   | 100      |
| 40) Benzene                  | 8.085          | 78   | 409157              | 24.147  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
 Data File : VY023623.D  
 Acq On : 30 Oct 2025 11:09  
 Operator : SY/MD  
 Sample : VY1030SBS01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY1030SBS01

Manual Integrations  
 APPROVED

Reviewed By :Amit Patel 10/31/2025  
 Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:36:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.219  | 41   | 20308    | 17.714  | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.158  | 62   | 101997   | 23.340  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.201  | 43   | 90555    | 21.424  | ug/l   | 98       |
| 44) Trichloroethene           | 8.865  | 130  | 116192   | 23.428  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 9.146  | 63   | 92062    | 24.598  | ug/l   | 98       |
| 46) Dibromomethane            | 9.237  | 93   | 53731    | 22.704  | ug/l   | 97       |
| 47) Bromodichloromethane      | 9.426  | 83   | 142222   | 23.861  | ug/l   | 100      |
| 48) Methyl methacrylate       | 9.225  | 41   | 42623    | 21.465  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 9.231  | 88   | 11163    | 406.835 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 9.999  | 43   | 242036   | 110.832 | ug/l   | 97       |
| 52) Toluene                   | 10.170 | 92   | 267175   | 24.285  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.396 | 75   | 115798   | 22.344  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.859  | 75   | 145329   | 23.760  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.572 | 97   | 74561    | 23.429  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.444 | 69   | 76671    | 20.886  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.719 | 76   | 117943   | 23.388  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.713  | 63   | 167399   | 101.793 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.761 | 43   | 191127   | 122.467 | ug/l   | 97       |
| 60) Dibromochloromethane      | 10.914 | 129  | 102644   | 23.005  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.018 | 107  | 68649    | 22.618  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.646 | 164  | 137380   | 22.987  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.444 | 112  | 295053   | 23.438  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.517 | 131  | 106823   | 23.813  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.517 | 91   | 480232   | 23.567  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.633 | 106  | 390728   | 47.806  | ug/l   | 98       |
| 69) o-Xylene                  | 11.956 | 106  | 179899   | 23.466  | ug/l   | 100      |
| 70) Styrene                   | 11.969 | 104  | 294077   | 23.327  | ug/l   | 100      |
| 71) Bromoform                 | 12.133 | 173  | 61674    | 22.164  | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.255 | 105  | 473954   | 23.914  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.072 | 43   | 74104    | 20.817  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.505 | 83   | 72998    | 22.520  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.554 | 75   | 59512m   | 22.430  | ug/l   |          |
| 77) Bromobenzene              | 12.536 | 156  | 121115   | 22.987  | ug/l   | 98       |
| 78) n-propylbenzene           | 12.596 | 91   | 566243   | 24.690  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.682 | 91   | 322930   | 24.045  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.737 | 105  | 393061   | 24.543  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.304 | 75   | 24045    | 22.223  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 12.779 | 91   | 338983   | 24.508  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 12.999 | 119  | 347416   | 23.495  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.042 | 105  | 388132   | 24.284  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.176 | 105  | 520320   | 24.530  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.291 | 119  | 436929   | 24.193  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.285 | 146  | 240935   | 23.483  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.365 | 146  | 238627   | 23.549  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.621 | 91   | 383151   | 24.348  | ug/l   | 98       |
| 90) Hexachloroethane          | 13.883 | 117  | 91946    | 23.671  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.657 | 146  | 209027   | 23.237  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.273 | 75   | 11390    | 21.415  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 14.919 | 180  | 121730   | 21.707  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.023 | 225  | 84638    | 24.212  | ug/l   | 99       |
| 95) Naphthalene               | 15.145 | 128  | 173867   | 19.470  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.328 | 180  | 104331   | 21.479  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023623.D  
Acq On : 30 Oct 2025 11:09  
Operator : SY/MD  
Sample : VY1030SBSD01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY1030SBSD01

Manual Integrations  
APPROVED

Reviewed By :Amit Patel 10/31/2025  
Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:36:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration

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

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

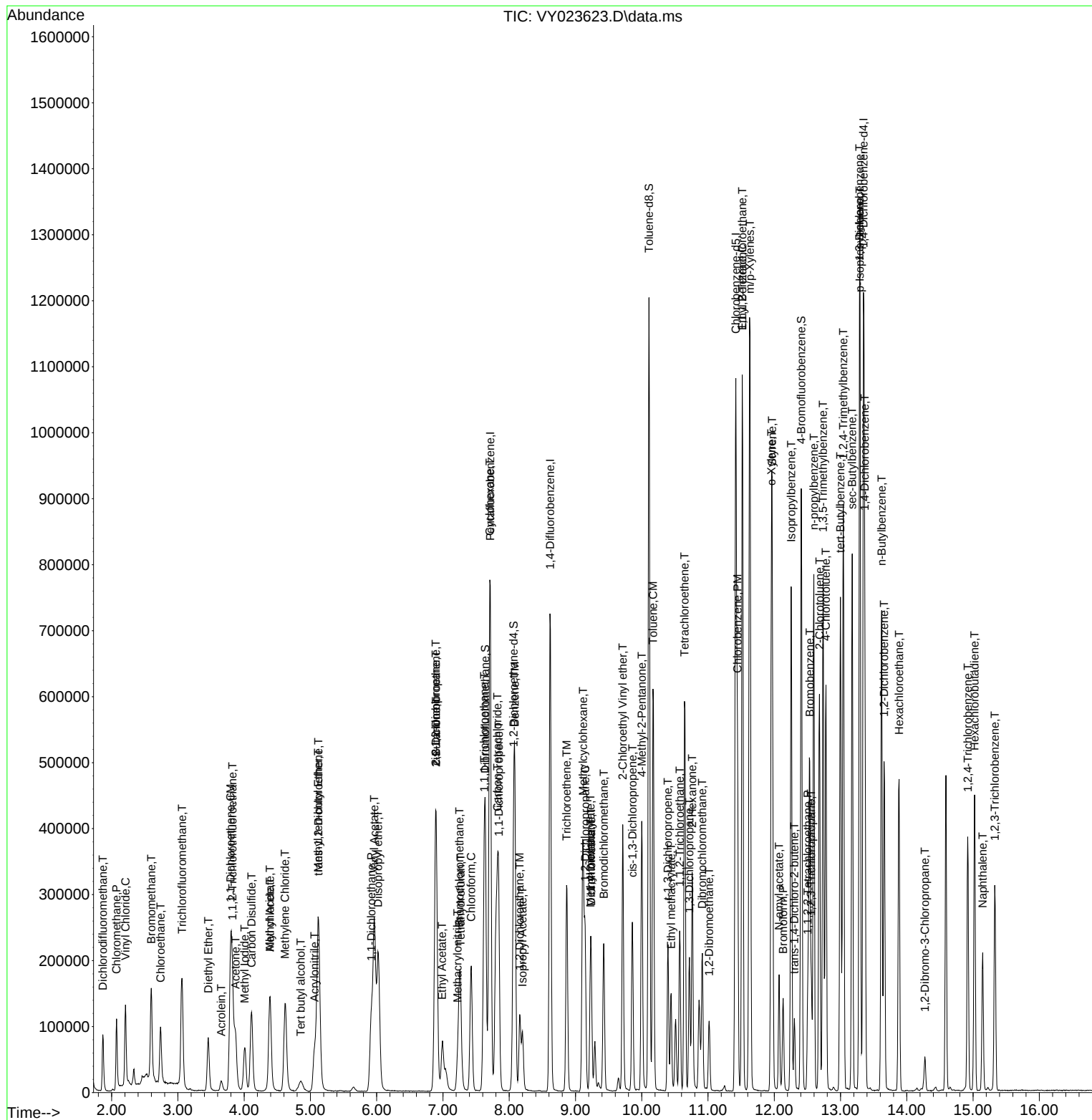
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY103025\  
Data File : VY023623.D  
Acq On : 30 Oct 2025 11:09  
Operator : SY/MD  
Sample : VY10305B5D01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
MSVOA\_Y  
**ClientSampleId :**  
VY1030SBSD01

## Manual Integrations

Reviewed By :Amit Patel 10/31/2025  
Supervised By :Mahesh Dadoda 10/31/2025

Quant Time: Oct 31 02:36:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 08 05:12:50 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX102925 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC001  | VX048407.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:02:37 PM | MMDadoda      | 10/30/2025<br>2:06:23 PM | Peak Integrated by Software |
| VSTDICC001  | VX048407.D | 1,4-Dichlorobenzene    | Amit      | 10/30/2025<br>2:02:37 PM | MMDadoda      | 10/30/2025<br>2:06:23 PM | Peak Integrated by Software |
| VSTDICC001  | VX048407.D | Ethyl Acetate          | Amit      | 10/30/2025<br>2:02:37 PM | MMDadoda      | 10/30/2025<br>2:06:23 PM | Peak Integrated by Software |
| VSTDICC005  | VX048408.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:02:43 PM | MMDadoda      | 10/30/2025<br>2:06:28 PM | Peak Integrated by Software |
| VSTDICC020  | VX048409.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:02:47 PM | MMDadoda      | 10/30/2025<br>2:06:32 PM | Peak Integrated by Software |
| VSTDICCC050 | VX048410.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:03:21 PM | MMDadoda      | 10/30/2025<br>2:06:35 PM | Peak Integrated by Software |
| VSTDICC100  | VX048411.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:03:25 PM | MMDadoda      | 10/30/2025<br>2:06:39 PM | Peak Integrated by Software |
| VSTDICC150  | VX048412.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:03:30 PM | MMDadoda      | 10/30/2025<br>2:06:42 PM | Peak Integrated by Software |
| VSTDICV050  | VX048414.D | 1,2,3-Trichloropropane | Amit      | 10/30/2025<br>2:04:18 PM | MMDadoda      | 10/30/2025<br>2:06:46 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VX103125

Instrument

MSVOA\_x

| Sample ID        | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050       | VX048416.D | 1,2,3-Trichloropropane | Amit      | 11/3/2025<br>10:49:56 AM | MMDadoda      | 11/3/2025<br>10:57:08 AM | Peak Integrated by Software |
| VX1031WBS01      | VX048419.D | 1,2,3-Trichloropropane | Amit      | 11/3/2025<br>10:50:00 AM | MMDadoda      | 11/3/2025 10:57:11 AM    | Peak Integrated by Software |
| VX1031WBSD0<br>1 | VX048420.D | 1,2,3-Trichloropropane | Amit      | 11/3/2025<br>10:50:05 AM | MMDadoda      | 11/3/2025<br>10:57:16 AM | Peak Integrated by Software |
| VSTDCCC050       | VX048443.D | 1,2,3-Trichloropropane | Amit      | 11/3/2025<br>10:50:16 AM | sam           | 11/3/2025 11:01:35 AM    | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VX110325

Instrument

MSVOA\_x

| Sample ID   | File ID    | Parameter              | Review By    | Review On               | Supervised By | Supervised On           | Reason                      |
|-------------|------------|------------------------|--------------|-------------------------|---------------|-------------------------|-----------------------------|
| VSTDCCC050  | VX048445.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:31<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |
| VX1103WBS01 | VX048449.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:36<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |
| VSTDCCC050  | VX048469.D | 1,2,3-Trichloropropane | mmdadod<br>a | 11/4/2025 3:24:45<br>AM | mohammad      | 11/4/2025 3:29:09<br>AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY100725 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                 | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|---------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC005  | VY023384.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>2:59:48 AM | MMdadoda      | 10/10/2025<br>4:37:28 AM | Peak Integrated by Software |
| VSTDICC005  | VY023384.D | 2-Chloroethyl Vinyl ether | sam       | 10/10/2025<br>2:59:48 AM | MMdadoda      | 10/10/2025<br>4:37:28 AM | Peak Integrated by Software |
| VSTDICC005  | VY023384.D | Methacrylonitrile         | sam       | 10/10/2025<br>2:59:48 AM | MMdadoda      | 10/10/2025<br>4:37:28 AM | Peak Integrated by Software |
| VSTDICC010  | VY023385.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>2:59:52 AM | MMdadoda      | 10/10/2025<br>4:37:33 AM | Peak Integrated by Software |
| VSTDICC010  | VY023385.D | 2-Chloroethyl Vinyl ether | sam       | 10/10/2025<br>2:59:52 AM | MMdadoda      | 10/10/2025<br>4:37:33 AM | Peak Integrated by Software |
| VSTDICC020  | VY023386.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>2:59:56 AM | MMdadoda      | 10/10/2025<br>4:37:37 AM | Peak Integrated by Software |
| VSTDICC020  | VY023386.D | 2-Chloroethyl Vinyl ether | sam       | 10/10/2025<br>2:59:56 AM | MMdadoda      | 10/10/2025<br>4:37:37 AM | Peak Integrated by Software |
| VSTDICC020  | VY023386.D | Methacrylonitrile         | sam       | 10/10/2025<br>2:59:56 AM | MMdadoda      | 10/10/2025<br>4:37:37 AM | Peak Integrated by Software |
| VSTDICCC050 | VY023387.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:01 AM | MMdadoda      | 10/10/2025<br>4:37:41 AM | Peak Integrated by Software |
| VSTDICC100  | VY023388.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:05 AM | MMdadoda      | 10/10/2025<br>4:37:46 AM | Peak Integrated by Software |
| VSTDICC150  | VY023389.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:09 AM | MMdadoda      | 10/10/2025<br>4:37:51 AM | Peak Integrated by Software |
| VSTDICV050  | VY023391.D | 1,2,3-Trichloropropane    | sam       | 10/10/2025<br>3:00:14 AM | MMdadoda      | 10/10/2025<br>4:37:55 AM | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

VY100725

Instrument

MSVOA\_y

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VY103025 | Instrument | MSVOA_y |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050       | VY023620.D | 1,2,3-Trichloropropane | Amit      | 10/31/2025<br>8:22:48 AM | MMDadoda      | 10/31/2025<br>2:46:48 PM | Peak Integrated by Software |
| VY1030SBS01      | VY023622.D | 1,2,3-Trichloropropane | Amit      | 10/31/2025<br>8:22:56 AM | MMDadoda      | 10/31/2025<br>2:46:52 PM | Peak Integrated by Software |
| VY1030SBSD0<br>1 | VY023623.D | 1,2,3-Trichloropropane | Amit      | 10/31/2025<br>8:23:00 AM | MMDadoda      | 10/31/2025<br>2:46:55 PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX102925**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | Amit Patel                                            | Review On         | 10/30/2025 2:04:38 PM             |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 10/30/2025 2:06:52 PM             |
| SubDirectory             | VX102925                                              | HP Acquire Method | HP Processing Method 82X102925W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP135960                                              |                   |                                   |
| Initial Calibration Stds | VP135996,VP135997,VP135998,VP135999,VP136000,VP136001 |                   |                                   |
| CCC                      |                                                       |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP135002                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | BFB         | VX048403.D     | 29 Oct 2025 08:39 | JC/MD    | Ok     |
| 2   | VSTDCCC050  | VX048404.D     | 29 Oct 2025 10:02 | JC/MD    | Ok     |
| 3   | IBLK        | VX048405.D     | 29 Oct 2025 10:31 | JC/MD    | Ok     |
| 4   | IBLK        | VX048406.D     | 29 Oct 2025 10:51 | JC/MD    | Ok     |
| 5   | VSTDICC001  | VX048407.D     | 29 Oct 2025 11:12 | JC/MD    | Ok,M   |
| 6   | VSTDICC005  | VX048408.D     | 29 Oct 2025 11:41 | JC/MD    | Ok,M   |
| 7   | VSTDICC020  | VX048409.D     | 29 Oct 2025 12:01 | JC/MD    | Ok,M   |
| 8   | VSTDICCC050 | VX048410.D     | 29 Oct 2025 12:22 | JC/MD    | Ok,M   |
| 9   | VSTDICC100  | VX048411.D     | 29 Oct 2025 12:43 | JC/MD    | Ok,M   |
| 10  | VSTDICC150  | VX048412.D     | 29 Oct 2025 13:03 | JC/MD    | Ok,M   |
| 11  | IBLK        | VX048413.D     | 29 Oct 2025 13:24 | JC/MD    | Ok     |
| 12  | VSTDICV050  | VX048414.D     | 29 Oct 2025 14:27 | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX103125**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Amit Patel          | Review On         | 11/3/2025 10:48:48 AM             |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 11/3/2025 11:01:57 AM             |
| SubDirectory                                                                                       | VX103125            | HP Acquire Method | HP Processing Method 82X102925W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135989            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135991,VP135992   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VX048415.D     | 31 Oct 2025 08:06 | JC/MD    | Ok     |
| 2   | VSTDCCC050   | VX048416.D     | 31 Oct 2025 09:18 | JC/MD    | Ok,M   |
| 3   | VX1031MBL01  | VX048417.D     | 31 Oct 2025 09:46 | JC/MD    | Ok     |
| 4   | VX1031WBL01  | VX048418.D     | 31 Oct 2025 10:06 | JC/MD    | Ok     |
| 5   | VX1031WBS01  | VX048419.D     | 31 Oct 2025 10:34 | JC/MD    | Ok,M   |
| 6   | VX1031WBSD01 | VX048420.D     | 31 Oct 2025 11:00 | JC/MD    | Ok,M   |
| 7   | Q3480-02     | VX048421.D     | 31 Oct 2025 11:21 | JC/MD    | Ok,M   |
| 8   | Q3500-02     | VX048422.D     | 31 Oct 2025 11:41 | JC/MD    | Not Ok |
| 9   | Q3500-03     | VX048423.D     | 31 Oct 2025 12:02 | JC/MD    | Not Ok |
| 10  | Q3500-05     | VX048424.D     | 31 Oct 2025 12:23 | JC/MD    | Not Ok |
| 11  | Q3494-01     | VX048425.D     | 31 Oct 2025 12:43 | JC/MD    | Ok     |
| 12  | Q3494-02     | VX048426.D     | 31 Oct 2025 13:04 | JC/MD    | ReRun  |
| 13  | Q3495-04     | VX048427.D     | 31 Oct 2025 13:25 | JC/MD    | ReRun  |
| 14  | Q3495-03     | VX048428.D     | 31 Oct 2025 13:46 | JC/MD    | ReRun  |
| 15  | Q3505-06     | VX048429.D     | 31 Oct 2025 14:06 | JC/MD    | Ok     |
| 16  | Q3505-05     | VX048430.D     | 31 Oct 2025 14:27 | JC/MD    | ReRun  |
| 17  | Q3505-04     | VX048431.D     | 31 Oct 2025 14:48 | JC/MD    | Not Ok |
| 18  | IBLK         | VX048432.D     | 31 Oct 2025 15:08 | JC/MD    | Ok     |
| 19  | Q3506-01     | VX048433.D     | 31 Oct 2025 15:29 | JC/MD    | Ok     |
| 20  | Q3506-02     | VX048434.D     | 31 Oct 2025 15:50 | JC/MD    | ReRun  |
| 21  | Q3506-03     | VX048435.D     | 31 Oct 2025 16:10 | JC/MD    | ReRun  |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX103125**

| Review By                                                                                          | Amit Patel          | Review On         | 11/3/2025 10:48:48 AM             |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 11/3/2025 11:01:57 AM             |
| SubDirectory                                                                                       | VX103125            | HP Acquire Method | HP Processing Method 82X102925W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135989            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135991,VP135992   |                   |                                   |

|    |            |            |                   |       |       |
|----|------------|------------|-------------------|-------|-------|
| 22 | Q3506-04   | VX048436.D | 31 Oct 2025 16:31 | JC/MD | Ok    |
| 23 | Q3507-02   | VX048437.D | 31 Oct 2025 16:52 | JC/MD | ReRun |
| 24 | Q3508-02   | VX048438.D | 31 Oct 2025 17:12 | JC/MD | ReRun |
| 25 | Q3507-01   | VX048439.D | 31 Oct 2025 17:33 | JC/MD | Ok    |
| 26 | Q3508-01   | VX048440.D | 31 Oct 2025 17:54 | JC/MD | Ok    |
| 27 | Q3510-01   | VX048441.D | 31 Oct 2025 18:14 | JC/MD | ReRun |
| 28 | Q3511-01   | VX048442.D | 31 Oct 2025 18:35 | JC/MD | ReRun |
| 29 | VSTDCCC050 | VX048443.D | 31 Oct 2025 18:56 | JC/MD | Ok,M  |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX110325**

|                                         |                |                   |                      |                      |              |
|-----------------------------------------|----------------|-------------------|----------------------|----------------------|--------------|
| Review By                               | Mahesh Dadoda  | Review On         | 11/4/2025 3:28:58 AM |                      |              |
| Supervise By                            | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM |                      |              |
| SubDirectory                            | VX110325       | HP Acquire Method | MSVOA_X              | HP Processing Method | 82X102925W.M |
| STD. NAME                               |                | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                | VP136024          |                      |                      |              |
| CCC                                     |                | VP136025,VP136023 |                      |                      |              |
| Internal Standard/PEM                   |                | VP133935          |                      |                      |              |
| ICV/I.BLK                               |                |                   |                      |                      |              |
| Surrogate Standard                      |                |                   |                      |                      |              |
| MS/MSD Standard                         |                |                   |                      |                      |              |
| LCS Standard                            |                |                   |                      |                      |              |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX048444.D     | 03 Nov 2025 08:20 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX048445.D     | 03 Nov 2025 09:14 | JC/MD    | Ok,M     |
| 3   | VX1103MBL01  | VX048446.D     | 03 Nov 2025 09:40 | JC/MD    | Ok       |
| 4   | VX1103WBL01  | VX048447.D     | 03 Nov 2025 11:25 | JC/MD    | Ok       |
| 5   | VX1103MBS01  | VX048448.D     | 03 Nov 2025 11:52 | JC/MD    | Not Ok   |
| 6   | VX1103WBS01  | VX048449.D     | 03 Nov 2025 12:21 | JC/MD    | Ok,M     |
| 7   | VX1103WBSD01 | VX048450.D     | 03 Nov 2025 12:44 | JC/MD    | Ok,M     |
| 8   | VX1103MBS02  | VX048451.D     | 03 Nov 2025 13:06 | JC/MD    | Not Ok   |
| 9   | Q3506-02     | VX048452.D     | 03 Nov 2025 13:37 | JC/MD    | Ok       |
| 10  | Q3506-03RE   | VX048453.D     | 03 Nov 2025 13:58 | JC/MD    | Confirms |
| 11  | Q3510-01     | VX048454.D     | 03 Nov 2025 14:18 | JC/MD    | Ok       |
| 12  | Q3511-01     | VX048455.D     | 03 Nov 2025 14:39 | JC/MD    | Ok       |
| 13  | Q3495-03RE   | VX048456.D     | 03 Nov 2025 14:59 | JC/MD    | Confirms |
| 14  | Q3495-04     | VX048457.D     | 03 Nov 2025 15:20 | JC/MD    | Ok       |
| 15  | Q3422-02     | VX048458.D     | 03 Nov 2025 15:41 | JC/MD    | Ok       |
| 16  | Q3518-02     | VX048459.D     | 03 Nov 2025 16:01 | JC/MD    | ReRun    |
| 17  | Q3494-02     | VX048460.D     | 03 Nov 2025 16:22 | JC/MD    | Ok       |
| 18  | Q3505-05     | VX048461.D     | 03 Nov 2025 16:42 | JC/MD    | Ok       |
| 19  | Q3500-02     | VX048462.D     | 03 Nov 2025 17:03 | JC/MD    | Ok       |
| 20  | Q3500-03     | VX048463.D     | 03 Nov 2025 17:24 | JC/MD    | Ok       |
| 21  | Q3500-05     | VX048464.D     | 03 Nov 2025 17:44 | JC/MD    | Ok       |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QCBatch ID # VX110325**

|                                         |                |                   |                      |                      |              |
|-----------------------------------------|----------------|-------------------|----------------------|----------------------|--------------|
| Review By                               | Mahesh Dadoda  | Review On         | 11/4/2025 3:28:58 AM |                      |              |
| Supervise By                            | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM |                      |              |
| SubDirectory                            | VX110325       | HP Acquire Method | MSVOA_X              | HP Processing Method | 82X102925W.M |
| STD. NAME                               |                | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                | VP136024          |                      |                      |              |
| CCC                                     |                | VP136025,VP136023 |                      |                      |              |
| Internal Standard/PEM                   |                | VP133935          |                      |                      |              |
| ICV/I.BLK                               |                |                   |                      |                      |              |
| Surrogate Standard                      |                |                   |                      |                      |              |
| MS/MSD Standard                         |                |                   |                      |                      |              |
| LCS Standard                            |                |                   |                      |                      |              |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q3505-04   | VX048465.D | 03 Nov 2025 18:05 | JC/MD | Ok     |
| 23 | Q3521-03   | VX048466.D | 03 Nov 2025 18:25 | JC/MD | Not Ok |
| 24 | VIBLK      | VX048467.D | 03 Nov 2025 18:46 | JC/MD | Ok     |
| 25 | VIBLK      | VX048468.D | 03 Nov 2025 19:06 | JC/MD | Ok     |
| 26 | VSTDCCC050 | VX048469.D | 03 Nov 2025 19:27 | JC/MD | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_Y**

**Daily Analysis Runlog For Sequence/QC Batch ID # VY100725**

|                          |                     |                                                       |                       |                      |              |
|--------------------------|---------------------|-------------------------------------------------------|-----------------------|----------------------|--------------|
| Review By                | Semsettin Yesilyurt | Review On                                             | 10/10/2025 3:00:22 AM |                      |              |
| Supervise By             | Maresh Dadoda       | Supervise On                                          | 10/10/2025 4:38:02 AM |                      |              |
| SubDirectory             | VY100725            | HP Acquire Method                                     | MSVOA_Y               | HP Processing Method | 82y100725s.m |
| STD. NAME                |                     | STD REF.#                                             |                       |                      |              |
| Tune/Reschk              |                     | VP135766                                              |                       |                      |              |
| Initial Calibration Stds |                     | VP135767,VP135768,VP135769,VP135770,VP135771,VP135772 |                       |                      |              |
| CCC                      |                     |                                                       |                       |                      |              |
| Internal Standard/PEM    |                     | VP133934                                              |                       |                      |              |
| ICV/I.BLK                |                     | VP135773                                              |                       |                      |              |
| Surrogate Standard       |                     |                                                       |                       |                      |              |
| MS/MSD Standard          |                     |                                                       |                       |                      |              |
| LCS Standard             |                     |                                                       |                       |                      |              |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status |
|-----|------------|----------------|-------------------|----------|--------|
| 1   | BFB        | VY023383.D     | 07 Oct 2025 08:43 | SY/MD    | Ok     |
| 2   | VSTDIC005  | VY023384.D     | 07 Oct 2025 09:17 | SY/MD    | Ok,M   |
| 3   | VSTDIC010  | VY023385.D     | 07 Oct 2025 10:02 | SY/MD    | Ok,M   |
| 4   | VSTDIC020  | VY023386.D     | 07 Oct 2025 11:24 | SY/MD    | Ok,M   |
| 5   | VSTDIC050  | VY023387.D     | 07 Oct 2025 11:47 | SY/MD    | Ok,M   |
| 6   | VSTDIC100  | VY023388.D     | 07 Oct 2025 12:09 | SY/MD    | Ok,M   |
| 7   | VSTDIC150  | VY023389.D     | 07 Oct 2025 12:32 | SY/MD    | Ok,M   |
| 8   | VIBLK      | VY023390.D     | 07 Oct 2025 13:02 | SY/MD    | Ok     |
| 9   | VSTDICV050 | VY023391.D     | 07 Oct 2025 14:12 | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: **MSVOA\_Y**

**Daily Analysis Runlog For Sequence/QC Batch ID # VY103025**

|                                         |               |                   |                       |                      |              |
|-----------------------------------------|---------------|-------------------|-----------------------|----------------------|--------------|
| Review By                               | Amit Patel    | Review On         | 10/31/2025 9:48:23 AM |                      |              |
| Supervise By                            | Maresh Dadoda | Supervise On      | 10/31/2025 2:47:09 PM |                      |              |
| SubDirectory                            | VY103025      | HP Acquire Method | MSVOA_Y               | HP Processing Method | 82y100725s.m |
| STD. NAME                               |               | STD REF.#         |                       |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |               | VP135980          |                       |                      |              |
| CCC                                     |               | VP135981,VP135982 |                       |                      |              |
| Internal Standard/PEM                   |               | VP133934          |                       |                      |              |
| ICV/I.BLK                               |               |                   |                       |                      |              |
| Surrogate Standard                      |               |                   |                       |                      |              |
| MS/MSD Standard                         |               |                   |                       |                      |              |
| LCS Standard                            |               |                   |                       |                      |              |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | BFB         | VY023619.D     | 30 Oct 2025 08:39 | SY/MD    | Ok       |
| 2   | VSTDCCC050  | VY023620.D     | 30 Oct 2025 09:09 | SY/MD    | Ok,M     |
| 3   | VY1030SBL01 | VY023621.D     | 30 Oct 2025 09:40 | SY/MD    | Ok       |
| 4   | VY1030SBS01 | VY023622.D     | 30 Oct 2025 10:36 | SY/MD    | Ok,M     |
| 5   | VY1030SBS01 | VY023623.D     | 30 Oct 2025 11:09 | SY/MD    | Ok,M     |
| 6   | Q3486-01    | VY023624.D     | 30 Oct 2025 11:53 | SY/MD    | Ok       |
| 7   | Q3486-03    | VY023625.D     | 30 Oct 2025 12:16 | SY/MD    | Ok       |
| 8   | Q3486-05    | VY023626.D     | 30 Oct 2025 12:40 | SY/MD    | Ok       |
| 9   | Q3486-07    | VY023627.D     | 30 Oct 2025 13:03 | SY/MD    | Ok       |
| 10  | Q3485-01    | VY023628.D     | 30 Oct 2025 13:26 | SY/MD    | Ok       |
| 11  | Q3488-04    | VY023629.D     | 30 Oct 2025 13:50 | SY/MD    | Dilution |
| 12  | Q3491-01    | VY023630.D     | 30 Oct 2025 14:13 | SY/MD    | ReRun    |
| 13  | Q3495-02    | VY023631.D     | 30 Oct 2025 14:37 | SY/MD    | Ok       |
| 14  | Q3496-01    | VY023632.D     | 30 Oct 2025 15:00 | SY/MD    | Ok       |
| 15  | Q3497-01    | VY023633.D     | 30 Oct 2025 15:24 | SY/MD    | Ok       |
| 16  | VIBLK       | VY023634.D     | 30 Oct 2025 15:47 | SY/MD    | Ok       |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX102925**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | Amit Patel    | Review On         | 10/30/2025 2:04:38 PM             |
| Supervise By | Mahesh Dadoda | Supervise On      | 10/30/2025 2:06:52 PM             |
| SubDirectory | VX102925      | HP Acquire Method | HP Processing Method 82X102925W.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 | VP135960<br>VP135996,VP135997,VP135998,VP135999,VP136000,VP136001<br><br><br><br><br><br>VP135002 |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|---------|----------|--------|
| 1   | BFB         | BFB         | VX048403.D     | 29 Oct 2025 08:39 |         | JC/MD    | Ok     |
| 2   | VSTDCCC050  | VSTDCCC050  | VX048404.D     | 29 Oct 2025 10:02 |         | JC/MD    | Ok     |
| 3   | IBLK        | IBLK        | VX048405.D     | 29 Oct 2025 10:31 |         | JC/MD    | Ok     |
| 4   | IBLK        | IBLK        | VX048406.D     | 29 Oct 2025 10:51 |         | JC/MD    | Ok     |
| 5   | VSTDICC001  | VSTDICC001  | VX048407.D     | 29 Oct 2025 11:12 | LR-58   | JC/MD    | Ok,M   |
| 6   | VSTDICC005  | VSTDICC005  | VX048408.D     | 29 Oct 2025 11:41 |         | JC/MD    | Ok,M   |
| 7   | VSTDICC020  | VSTDICC020  | VX048409.D     | 29 Oct 2025 12:01 |         | JC/MD    | Ok,M   |
| 8   | VSTDICCC050 | VSTDICCC050 | VX048410.D     | 29 Oct 2025 12:22 |         | JC/MD    | Ok,M   |
| 9   | VSTDICC100  | VSTDICC100  | VX048411.D     | 29 Oct 2025 12:43 |         | JC/MD    | Ok,M   |
| 10  | VSTDICC150  | VSTDICC150  | VX048412.D     | 29 Oct 2025 13:03 |         | JC/MD    | Ok,M   |
| 11  | IBLK        | IBLK        | VX048413.D     | 29 Oct 2025 13:24 |         | JC/MD    | Ok     |
| 12  | VSTDICV050  | ICVVX102925 | VX048414.D     | 29 Oct 2025 14:27 |         | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX103125**

|              |                     |                   |                                   |
|--------------|---------------------|-------------------|-----------------------------------|
| Review By    | Amit Patel          | Review On         | 11/3/2025 10:48:48 AM             |
| Supervise By | Semsettin Yesilyurt | Supervise On      | 11/3/2025 11:01:57 AM             |
| SubDirectory | VX103125            | HP Acquire Method | HP Processing Method 82X102925W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135989          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135991,VP135992 |

| Sr# | SampleID     | ClientID       | Data File Name | Date-Time         | Comment                          | Operator | Status |
|-----|--------------|----------------|----------------|-------------------|----------------------------------|----------|--------|
| 1   | BFB          | BFB            | VX048415.D     | 31 Oct 2025 08:06 |                                  | JC/MD    | Ok     |
| 2   | VSTDCCC050   | VSTDCCC050     | VX048416.D     | 31 Oct 2025 09:18 | pH#lot#v14222                    | JC/MD    | Ok,M   |
| 3   | VX1031MBL01  | VX1031MBL01    | VX048417.D     | 31 Oct 2025 09:46 |                                  | JC/MD    | Ok     |
| 4   | VX1031WBL01  | VX1031WBL01    | VX048418.D     | 31 Oct 2025 10:06 |                                  | JC/MD    | Ok     |
| 5   | VX1031WBS01  | VX1031WBS01    | VX048419.D     | 31 Oct 2025 10:34 | BS Failed Low For Com.#87,88     | JC/MD    | Ok,M   |
| 6   | VX1031WBSD01 | VX1031WBSD01   | VX048420.D     | 31 Oct 2025 11:00 | vial B pH#5.0                    | JC/MD    | Ok,M   |
| 7   | Q3480-02     | RT3449         | VX048421.D     | 31 Oct 2025 11:21 | vial B pH#5.0                    | JC/MD    | Ok,M   |
| 8   | Q3500-02     | 462            | VX048422.D     | 31 Oct 2025 11:41 | vial A pH<2.0 ,Need Straight Run | JC/MD    | Not Ok |
| 9   | Q3500-03     | 463            | VX048423.D     | 31 Oct 2025 12:02 | vial A pH<2.0 Need Straight Run  | JC/MD    | Not Ok |
| 10  | Q3500-05     | 461-LIQUID     | VX048424.D     | 31 Oct 2025 12:23 | vial A pH<2.0 ,Need Straight Run | JC/MD    | Not Ok |
| 11  | Q3494-01     | MW3            | VX048425.D     | 31 Oct 2025 12:43 | vial A pH<2.0                    | JC/MD    | Ok     |
| 12  | Q3494-02     | Field          | VX048426.D     | 31 Oct 2025 13:04 | vial A pH<2.0 ,FB;hit of com.#16 | JC/MD    | ReRun  |
| 13  | Q3495-04     | TB             | VX048427.D     | 31 Oct 2025 13:25 | vial A pH<2.0 ,TB;BS Failed Low  | JC/MD    | ReRun  |
| 14  | Q3495-03     | TW-1025-1      | VX048428.D     | 31 Oct 2025 13:46 | BS failed Low                    | JC/MD    | ReRun  |
| 15  | Q3505-06     | 10-17-25-WATER | VX048429.D     | 31 Oct 2025 14:06 |                                  | JC/MD    | Ok     |
| 16  | Q3505-05     | 10-16-25-WATER | VX048430.D     | 31 Oct 2025 14:27 | Surrogate fail                   | JC/MD    | ReRun  |
| 17  | Q3505-04     | 10-10-25-WATER | VX048431.D     | 31 Oct 2025 14:48 | Need Straight Run                | JC/MD    | Not Ok |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX103125**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Amit Patel          | Review On         | 11/3/2025 10:48:48 AM             |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 11/3/2025 11:01:57 AM             |
| SubDirectory                                                                                       | VX103125            | HP Acquire Method | HP Processing Method 82X102925W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135989            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135991,VP135992   |                   |                                   |

|    |            |                   |            |                   |                   |       |       |
|----|------------|-------------------|------------|-------------------|-------------------|-------|-------|
| 18 | IBLK       | IBLK              | VX048432.D | 31 Oct 2025 15:08 |                   | JC/MD | Ok    |
| 19 | Q3506-01   | STORAGE-BLANK-SO  | VX048433.D | 31 Oct 2025 15:29 |                   | JC/MD | Ok    |
| 20 | Q3506-02   | STORAGE-BLANK-WA  | VX048434.D | 31 Oct 2025 15:50 | Surrogate fail    | JC/MD | ReRun |
| 21 | Q3506-03   | STORAGE-BLANK-WA  | VX048435.D | 31 Oct 2025 16:10 | Surrogate fail    | JC/MD | ReRun |
| 22 | Q3506-04   | STORAGE-BLANK-SAM | VX048436.D | 31 Oct 2025 16:31 |                   | JC/MD | Ok    |
| 23 | Q3507-02   | TB                | VX048437.D | 31 Oct 2025 16:52 | TB;Surrogate fail | JC/MD | ReRun |
| 24 | Q3508-02   | TB                | VX048438.D | 31 Oct 2025 17:12 | TB;Surrogate fail | JC/MD | ReRun |
| 25 | Q3507-01   | SW-1              | VX048439.D | 31 Oct 2025 17:33 |                   | JC/MD | Ok    |
| 26 | Q3508-01   | SW-1              | VX048440.D | 31 Oct 2025 17:54 |                   | JC/MD | Ok    |
| 27 | Q3510-01   | OUTFALL-002       | VX048441.D | 31 Oct 2025 18:14 | Surrogate fail    | JC/MD | ReRun |
| 28 | Q3511-01   | OUTFALL-001       | VX048442.D | 31 Oct 2025 18:35 | Surrogate fail    | JC/MD | ReRun |
| 29 | VSTDCCC050 | VSTDCCC050EC      | VX048443.D | 31 Oct 2025 18:56 |                   | JC/MD | Ok,M  |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX110325**

|              |                |                   |                                           |
|--------------|----------------|-------------------|-------------------------------------------|
| Review By    | Maresh Dadoda  | Review On         | 11/4/2025 3:28:58 AM                      |
| Supervise By | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM                      |
| SubDirectory | VX110325       | HP Acquire Method | MSVOA_X HP Processing Method 82X102925W.M |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP136024                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP136025,VP136023<br>VP133935 |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment                 | Operator | Status   |
|-----|--------------|--------------------|----------------|-------------------|-------------------------|----------|----------|
| 1   | BFB          | BFB                | VX048444.D     | 03 Nov 2025 08:20 |                         | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050         | VX048445.D     | 03 Nov 2025 09:14 | pH#lot#v14222           | JC/MD    | Ok,M     |
| 3   | VX1103MBL01  | VX1103MBL01        | VX048446.D     | 03 Nov 2025 09:40 |                         | JC/MD    | Ok       |
| 4   | VX1103WBL01  | VX1103WBL01        | VX048447.D     | 03 Nov 2025 11:25 |                         | JC/MD    | Ok       |
| 5   | VX1103MBS01  | VX1103WBS01        | VX048448.D     | 03 Nov 2025 11:52 |                         | JC/MD    | Not Ok   |
| 6   | VX1103WBS01  | VX1103WBS01        | VX048449.D     | 03 Nov 2025 12:21 |                         | JC/MD    | Ok,M     |
| 7   | VX1103WBSD01 | VX1103WBSD01       | VX048450.D     | 03 Nov 2025 12:44 |                         | JC/MD    | Ok,M     |
| 8   | VX1103MBS02  | VX1103MBS02        | VX048451.D     | 03 Nov 2025 13:06 |                         | JC/MD    | Not Ok   |
| 9   | Q3506-02     | STORAGE-BLANK-WA   | VX048452.D     | 03 Nov 2025 13:37 | pH<2.0 B                | JC/MD    | Ok       |
| 10  | Q3506-03RE   | STORAGE-BLANK-WA   | VX048453.D     | 03 Nov 2025 13:58 | pH<2.0 B Surrogate fail | JC/MD    | Confirms |
| 11  | Q3510-01     | OUTFALL-002        | VX048454.D     | 03 Nov 2025 14:18 | pH<2.0 B                | JC/MD    | Ok       |
| 12  | Q3511-01     | OUTFALL-001        | VX048455.D     | 03 Nov 2025 14:39 | pH<2.0 B                | JC/MD    | Ok       |
| 13  | Q3495-03RE   | TW-1025-1RE        | VX048456.D     | 03 Nov 2025 14:59 | pH<2.0 B Surrogate fail | JC/MD    | Confirms |
| 14  | Q3495-04     | TB                 | VX048457.D     | 03 Nov 2025 15:20 | pH<2.0 B TB             | JC/MD    | Ok       |
| 15  | Q3422-02     | PR132-FB2-20251021 | VX048458.D     | 03 Nov 2025 15:41 | vial B,pH#5.0 FB        | JC/MD    | Ok       |
| 16  | Q3518-02     | 50831              | VX048459.D     | 03 Nov 2025 16:01 | pH<2.0 A Surrogate fail | JC/MD    | ReRun    |
| 17  | Q3494-02     | Field              | VX048460.D     | 03 Nov 2025 16:22 | pH<2.0 B FB             | JC/MD    | Ok       |
| 18  | Q3505-05     | 10-16-25-WATER     | VX048461.D     | 03 Nov 2025 16:42 | pH<2.0 B                | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX110325**

|                                         |                |                   |                      |                      |              |
|-----------------------------------------|----------------|-------------------|----------------------|----------------------|--------------|
| Review By                               | Mahesh Dadoda  | Review On         | 11/4/2025 3:28:58 AM |                      |              |
| Supervise By                            | mohammad ahmed | Supervise On      | 11/4/2025 3:29:09 AM |                      |              |
| SubDirectory                            | VX110325       | HP Acquire Method | MSVOA_X              | HP Processing Method | 82X102925W.M |
| STD. NAME                               |                | STD REF.#         |                      |                      |              |
| Tune/Reschk<br>Initial Calibration Stds |                | VP136024          |                      |                      |              |
| CCC                                     |                | VP136025,VP136023 |                      |                      |              |
| Internal Standard/PEM                   |                | VP133935          |                      |                      |              |
| ICV/I.BLK                               |                |                   |                      |                      |              |
| Surrogate Standard                      |                |                   |                      |                      |              |
| MS/MSD Standard                         |                |                   |                      |                      |              |
| LCS Standard                            |                |                   |                      |                      |              |

|    |            |                |            |                   |                                                    |       |        |
|----|------------|----------------|------------|-------------------|----------------------------------------------------|-------|--------|
| 19 | Q3500-02   | 10-17-25-WATER | VX048462.D | 03 Nov 2025 17:03 | vial B pH<2.0 Surrogate fail                       | JC/MD | Ok     |
| 20 | Q3500-03   | 463            | VX048463.D | 03 Nov 2025 17:24 | vial B pH<2 Internal standard fail; Surrogate fail | JC/MD | Ok     |
| 21 | Q3500-05   | 461-LIQUID     | VX048464.D | 03 Nov 2025 17:44 | vial B pH<2.0 Surrogate fail                       | JC/MD | Ok     |
| 22 | Q3505-04   | 10-10-25-WATER | VX048465.D | 03 Nov 2025 18:05 | vial B pH<2                                        | JC/MD | Ok     |
| 23 | Q3521-03   | TANK-2025      | VX048466.D | 03 Nov 2025 18:25 | Need Straight Run                                  | JC/MD | Not Ok |
| 24 | VIBLK      | VIBLK          | VX048467.D | 03 Nov 2025 18:46 |                                                    | JC/MD | Ok     |
| 25 | VIBLK      | VIBLK          | VX048468.D | 03 Nov 2025 19:06 |                                                    | JC/MD | Ok     |
| 26 | VSTDCCC050 | VSTDCCC050EC   | VX048469.D | 03 Nov 2025 19:27 |                                                    | JC/MD | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY100725**

|              |                     |                   |                                           |
|--------------|---------------------|-------------------|-------------------------------------------|
| Review By    | Semsettin Yesilyurt | Review On         | 10/10/2025 3:00:22 AM                     |
| Supervise By | Maresh Dadoda       | Supervise On      | 10/10/2025 4:38:02 AM                     |
| SubDirectory | VY100725            | HP Acquire Method | MSVOA_Y HP Processing Method 82y100725s.m |

| STD. NAME                                                                                          | STD REF.#                                                         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135766<br>VP135767,VP135768,VP135769,VP135770,VP135771,VP135772 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133934<br>VP135773                                              |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|---------|----------|--------|
| 1   | BFB         | BFB         | VY023383.D     | 07 Oct 2025 08:43 |         | SY/MD    | Ok     |
| 2   | VSTDICC005  | VSTDICC005  | VY023384.D     | 07 Oct 2025 09:17 |         | SY/MD    | Ok,M   |
| 3   | VSTDICC010  | VSTDICC010  | VY023385.D     | 07 Oct 2025 10:02 |         | SY/MD    | Ok,M   |
| 4   | VSTDICC020  | VSTDICC020  | VY023386.D     | 07 Oct 2025 11:24 |         | SY/MD    | Ok,M   |
| 5   | VSTDICCC050 | VSTDICCC050 | VY023387.D     | 07 Oct 2025 11:47 |         | SY/MD    | Ok,M   |
| 6   | VSTDICC100  | VSTDICC100  | VY023388.D     | 07 Oct 2025 12:09 |         | SY/MD    | Ok,M   |
| 7   | VSTDICC150  | VSTDICC150  | VY023389.D     | 07 Oct 2025 12:32 |         | SY/MD    | Ok,M   |
| 8   | VIBLK       | VIBLK       | VY023390.D     | 07 Oct 2025 13:02 |         | SY/MD    | Ok     |
| 9   | VSTDICV050  | ICVVY100725 | VY023391.D     | 07 Oct 2025 14:12 |         | SY/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_Y

**Daily Analysis Runlog For Sequence/QC Batch ID # VY103025**

|              |               |                   |                                           |
|--------------|---------------|-------------------|-------------------------------------------|
| Review By    | Amit Patel    | Review On         | 10/31/2025 9:48:23 AM                     |
| Supervise By | Maresh Dadoda | Supervise On      | 10/31/2025 2:47:09 PM                     |
| SubDirectory | VY103025      | HP Acquire Method | MSVOA_Y HP Processing Method 82y100725s.m |

| STD. NAME                                                                                          | STD REF.#                     |
|----------------------------------------------------------------------------------------------------|-------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP135980                      |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP135981,VP135982<br>VP133934 |

| Sr# | SampleID     | ClientID          | Data File Name | Date-Time         | Comment                                      | Operator | Status   |
|-----|--------------|-------------------|----------------|-------------------|----------------------------------------------|----------|----------|
| 1   | BFB          | BFB               | VY023619.D     | 30 Oct 2025 08:39 |                                              | SY/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050        | VY023620.D     | 30 Oct 2025 09:09 |                                              | SY/MD    | Ok,M     |
| 3   | VY1030SBL01  | VY1030SBL01       | VY023621.D     | 30 Oct 2025 09:40 |                                              | SY/MD    | Ok       |
| 4   | VY1030SBS01  | VY1030SBS01       | VY023622.D     | 30 Oct 2025 10:36 |                                              | SY/MD    | Ok,M     |
| 5   | VY1030SBSD01 | VY1030SBSD01      | VY023623.D     | 30 Oct 2025 11:09 |                                              | SY/MD    | Ok,M     |
| 6   | Q3486-01     | TP3               | VY023624.D     | 30 Oct 2025 11:53 | vial-A                                       | SY/MD    | Ok       |
| 7   | Q3486-03     | TP4               | VY023625.D     | 30 Oct 2025 12:16 | vial-A                                       | SY/MD    | Ok       |
| 8   | Q3486-05     | TP5               | VY023626.D     | 30 Oct 2025 12:40 | vial-A                                       | SY/MD    | Ok       |
| 9   | Q3486-07     | TP6               | VY023627.D     | 30 Oct 2025 13:03 | vial-A                                       | SY/MD    | Ok       |
| 10  | Q3485-01     | TR-04-102925      | VY023628.D     | 30 Oct 2025 13:26 | vial-A                                       | SY/MD    | Ok       |
| 11  | Q3488-04     | MOO-25-0302-0310  | VY023629.D     | 30 Oct 2025 13:50 | vial-A Internal Standard fail;Need MeOH      | SY/MD    | Dilution |
| 12  | Q3491-01     | SOIL-CUTTINGS-COM | VY023630.D     | 30 Oct 2025 14:13 | vial-A Internal standard fail;Surrogate fail | SY/MD    | ReRun    |
| 13  | Q3495-02     | SB-1025-2         | VY023631.D     | 30 Oct 2025 14:37 | vial-A                                       | SY/MD    | Ok       |
| 14  | Q3496-01     | DRILL-CUTTINGS    | VY023632.D     | 30 Oct 2025 15:00 | vial-A                                       | SY/MD    | Ok       |
| 15  | Q3497-01     | OK-01-103025      | VY023633.D     | 30 Oct 2025 15:24 | vial-A                                       | SY/MD    | Ok       |
| 16  | VIBLK        | VIBLK             | VY023634.D     | 30 Oct 2025 15:47 |                                              | SY/MD    | Ok       |

M : Manual Integration

# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 10/30/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:20  
Out Date: 10/31/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137714

| 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        |
|----------|--------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-----------------|
| Q3483-24 | HW1025-PT-SOL-SOIL | 1      | 1.16           | 10.70        | 11.86                   | 9.24                      | 75.5    |                 |
| Q3487-01 | KZZ294Z-A          | 2      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-02 | KZZ294Z-B          | 3      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-03 | KZZ256R-A          | 4      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-04 | KZZ256R-B          | 5      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-05 | JEH623H-A          | 6      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-06 | JEH623H-B          | 7      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-07 | M3-A               | 8      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3487-08 | M3-B               | 9      | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3488-01 | MOO-25-0294-0298   | 10     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | Concrete sample |
| Q3488-02 | MOO-25-0299        | 11     | 1.15           | 10.33        | 11.48                   | 10.88                     | 94.2    |                 |
| Q3488-04 | MOO-25-0302-0310   | 12     | 1.18           | 10.45        | 11.63                   | 10.08                     | 85.2    |                 |
| Q3488-05 | MOO-25-0302-0310   | 13     | 1.15           | 10.46        | 11.61                   | 10.7                      | 91.3    |                 |
| Q3488-06 | MOO-25-0311-0313   | 46     | 1.15           | 10.37        | 11.52                   | 10.64                     | 91.5    |                 |
| Q3489-01 | 245F72-A           | 14     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-02 | 245F72-B           | 15     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-03 | L54-A              | 16     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-04 | L54-B              | 17     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-05 | L55-A              | 18     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-06 | L55-A              | 19     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-07 | L56-A              | 20     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-08 | L56-B              | 21     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-09 | L57-A              | 22     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-10 | L57-B              | 23     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-11 | L58-A              | 24     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-12 | L58-2              | 25     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-13 | L59-A              | 26     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |
| Q3489-14 | L59-B              | 27     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC            |



# PERCENT SOLID

Supervisor: Iwona  
Analyst: jignesh  
Date: 10/31/2025

OVENTEMP IN Celsius(°C): 107  
Time IN: 17:15  
In Date: 10/30/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104  
Time OUT: 08:20  
Out Date: 10/31/2025  
Weight Check 1.0g: 1.00  
Weight Check 10g: 10.00  
BalanceID: M SC-4  
Thermometer ID: % SOLID-OVEN

QC:LB137714

| 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    |
|----------|--------------------|--------|----------------|--------------|-------------------------|---------------------------|---------|-------------|
| Q3489-15 | L60-A              | 28     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-16 | L60-B              | 29     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-17 | L61-A              | 30     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-18 | L61-B              | 31     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-19 | L62-A              | 32     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-20 | L62-B              | 33     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-21 | L63-A              | 34     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-22 | L63-B              | 35     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-23 | L64-A              | 36     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-24 | L64-B              | 37     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-25 | L65-A              | 38     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-26 | L65-B              | 39     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-27 | STC21-A            | 40     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-28 | STC21-B            | 41     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-29 | STF24-A            | 42     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3489-30 | STF24-B            | 43     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | PILC        |
| Q3490-01 | LAW-25-0151        | 44     | 1.00           | 1.00         | 2.00                    | 2.00                      | 100.0   | oily-debris |
| Q3491-01 | SOIL-CUTTINGS-COMP | 45     | 1.18           | 10.80        | 11.98                   | 9.13                      | 73.6    |             |
| Q3495-01 | SB-1025-1          | 47     | 1.19           | 10.24        | 11.43                   | 8.99                      | 76.2    |             |
| Q3495-02 | SB-1025-2          | 48     | 1.14           | 10.43        | 11.57                   | 8.97                      | 75.1    |             |
| Q3496-01 | DRILL-CUTTINGS     | 49     | 1.19           | 10.61        | 11.8                    | 10.33                     | 86.1    |             |
| Q3496-02 | DRILL-CUTTINGS-E2  | 50     | 1.13           | 10.49        | 11.62                   | 10.11                     | 85.6    |             |
| Q3497-01 | OK-01-103025       | 51     | 1.13           | 10.93        | 12.06                   | 10.37                     | 84.5    |             |
| Q3497-02 | OK-01-103025-E2    | 52     | 1.19           | 10.59        | 11.78                   | 10.25                     | 85.6    |             |

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

# WORKLIST(Hardcopy Internal Chain)

137714

WorkList Name : %1-103025      WorkList ID : 192793      Department : Wet-Chemistry      Date : 10-30-2025 10:50:32

| Sample   | Customer Sample    | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|--------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3483-24 | HW1025-PT-SOL-SOIL | Solid  | Percent Solids | Cool 4 deg C | ALLI03   | QA Of                       | 10/27/2025   | Chemtech -SO |
| Q3487-01 | KZZ294Z-A          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-02 | KZZ294Z-B          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-03 | KZZ256R-A          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-04 | KZZ256R-B          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-05 | JEH623H-A          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-06 | JEH623H-B          | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-07 | M3-A               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3487-08 | M3-B               | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D31                         | 10/29/2025   | Chemtech -SO |
| Q3488-01 | MOO-25-0294-0298   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3488-02 | MOO-25-0299        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3488-04 | MOO-25-0302-0310   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3488-05 | MOO-25-0302-0310   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3488-06 | MOO-25-0311-0313   | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-01 | 245F72-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-02 | 245F72-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-03 | L54-A              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-04 | L54-B              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-05 | L55-A              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-06 | L55-A              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-07 | L56-A              | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |

Date/Time 10/30/25 15:00  
 Raw Sample Received by: JG (wvc)  
 Raw Sample Relinquished by: RS (137714-126)

Date/Time 10/30/25 17:30  
 Raw Sample Received by: RS (137714-126)  
 Raw Sample Relinquished by: JG (wvc)

# WORKLIST(Hardcopy Internal Chain)

WB 137714

WorkList Name : %1-103025      WorkList ID : 192793      Department : Wet-Chemistry      Date : 10-30-2025 10:50:32

| Sample   | Customer Sample | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|-----------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3489-08 | L56-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-09 | L57-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-10 | L57-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-11 | L58-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-12 | L58-2           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-13 | L59-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-14 | L59-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-15 | L60-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-16 | L60-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-17 | L61-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-18 | L61-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-19 | L62-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-20 | L62-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-21 | L63-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-22 | L63-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-23 | L64-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-24 | L64-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-25 | L65-A           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-26 | L65-B           | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-27 | STC21-A         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-28 | STC21-B         | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |

Date/Time 10/30/25 15:30  
 Raw Sample Received by: sg wvc  
 Raw Sample Relinquished by: RS C EIT-1260

Date/Time 10/30/25 17:30  
 Raw Sample Received by: RS C EIT-1260  
 Raw Sample Relinquished by: sg wvc

# WORKLIST(Hardcopy Internal Chain)

UB 13FF14

WorkList Name : %1-103025      WorkList ID : 192793      Department : Wet-Chemistry      Date : 10-30-2025 10:50:32

| Sample   | Customer Sample    | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method       |
|----------|--------------------|--------|----------------|--------------|----------|-----------------------------|--------------|--------------|
| Q3489-29 | STF24-A            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3489-30 | STF24-B            | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3490-01 | LAW-25-0151        | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3491-01 | SOIL-CUTTINGS-COMP | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/29/2025   | Chemtech -SO |
| Q3495-01 | SB-1025-1          | Solid  | Percent Solids | Cool 4 deg C | REMI02   | D51                         | 10/27/2025   | Chemtech -SO |
| Q3495-02 | SB-1025-2          | Solid  | Percent Solids | Cool 4 deg C | REMI02   | D51                         | 10/27/2025   | Chemtech -SO |
| Q3496-01 | DRILL-CUTTINGS     | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/30/2025   | Chemtech -SO |
| Q3496-02 | DRILL-CUTTINGS-E2  | Solid  | Percent Solids | Cool 4 deg C | PSEG03   | D41                         | 10/30/2025   | Chemtech -SO |
| Q3497-01 | OK-01-103025       | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D41                         | 10/30/2025   | Chemtech -SO |
| Q3497-02 | OK-01-103025-E2    | Solid  | Percent Solids | Cool 4 deg C | PSEG05   | D41                         | 10/30/2025   | Chemtech -SO |

Date/Time 10/30/25 15:00  
 Raw Sample Received by: SB WWC  
 Raw Sample Relinquished by: RS C (EIT-1066)

Date/Time 10/30/25 17:30  
 Raw Sample Received by: RS C (EIT-1066)  
 Raw Sample Relinquished by: SB WWC



# SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:  
COMPANY: Remington Vernick Engineers  
ADDRESS: 2059 Springdale Road  
CITY: Cherry Hill STATE: NT ZIP: 08003  
ATTENTION: Kyle Carson nk.com  
PHONE: 856-795-9595 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Mockane Park SI  
PROJECT NO.: 130TD25 LOCATION: Belmar, NJ  
PROJECT MANAGER: Kyle Carson  
e-mail: Kyle.Carson@nk.com  
PHONE: 609-682-3049 FAX:

CLIENT BILLING INFORMATION

BILL TO: APinvolves@nk.com PO#: 130TD25  
ADDRESS: 2059 Springdale Road  
CITY: Cherry Hill STATE: NT ZIP: 08003  
ATTENTION: Kyle Carson PHONE: 856-795-9595

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*  
HARDCOPY (DATA PACKAGE): STAT DAYS\*  
EDD: \_\_\_\_\_ DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other  
EDD FORMAT: Hardsite

1. TCL PAHS  
2. TAL Metals  
3. VOCs  
4. TCL PAHS  
5. TAL Metals  
6. VOCs  
7. VOCs  
8. VOCs  
9. VOCs

PRESERVATIVES

COMMENTS

| 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  |              | E             | E | A | E | B | D | F | F | F |                            |
| 1.                       | SB-1025-1                        | S                |                | X    | 10/21/25             | 10:00 | 2            | 1             | 1 |   |   |   |   |   |   |   |                            |
| 2.                       | SB-1025-2                        | S                |                | X    | 10/21/25             | 10:45 | 7            |               | 1 |   | 2 |   |   | 1 | 2 | 1 | CH <sub>4</sub> , DI water |
| 3.                       | TW-1025-1                        | GW               |                | X    | 10/21/25             | 11:15 | 8            |               |   | 2 | 4 | 1 | 1 |   |   |   | <del>DI water</del> (M)    |
| 4.                       | Trip Bank                        | GW               |                | X    | 10/24/25             | 08:00 | 4            |               |   | 4 |   |   |   |   |   |   |                            |
| 5.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |                            |
| 6.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |                            |
| 7.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |                            |
| 8.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |                            |
| 9.                       |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |                            |
| 10.                      |                                  |                  |                |      |                      |       |              |               |   |   |   |   |   |   |   |   |                            |

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

|                                                   |                                     |                                    |                                                                                                                                                                           |
|---------------------------------------------------|-------------------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>Arriamater</u>  | DATE/TIME:<br><u>10/21/25 11:30</u> | RECEIVED BY:<br><u>P. 1707</u>     | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>3.9</u> °C |
| RELINQUISHED BY SAMPLER:<br>2. <u>[Signature]</u> | DATE/TIME:<br><u>10/21/25 11:30</u> | RECEIVED BY:<br><u>P. 1029-25</u>  | Comments:                                                                                                                                                                 |
| RELINQUISHED BY SAMPLER:<br>3. <u>[Signature]</u> | DATE/TIME:<br><u>10/24/25 18:50</u> | RECEIVED BY:<br><u>[Signature]</u> | Page <u>1</u> of <u>1</u>                                                                                                                                                 |

CLIENT: ☐ Hand Delivered ☐ Other  
Shipment Complete ☐ YES ☐ NO

### 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           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                                |        |                                                  |                                   |
|------------------------------------------------|--------|--------------------------------------------------|-----------------------------------|
| <b>Order ID :</b> Q3495                        | REMI02 | <b>Order Date :</b> 10/30/2025 10:45:41 AM       | <b>Project Mgr :</b>              |
| <b>Client Name :</b> Remington & Vernick Engi  |        | <b>Project Name :</b> Maclearie Park             | <b>Report Type :</b> Level 1      |
| <b>Client Contact :</b> Kyle Carlson           |        | <b>Receive DateTime :</b> 10/30/2025 12:00:00 AM | <b>EDD Type :</b> EXCEL NJCLEANUP |
| <b>Invoice Name :</b> Remington & Vernick Engi |        | <b>Purchase Order :</b> <i>29</i> <i>18:52</i>   | <b>Hard Copy Date :</b>           |
| <b>Invoice Contact :</b> Kyle Carlson          |        |                                                  | <b>Date Signoff :</b>             |

| LAB ID   | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|-----------|--------|-------------|-------------|---------------|------------|----------|--------------|-----------|
| Q3495-02 | SB-1025-2 | Solid  | 10/27/2025  | 10:45       |               |            |          |              |           |
|          |           |        |             |             | VOC-TCLVOA-10 | TCL+30/TAL | 8260D    | 10 Bus. Days |           |
| Q3495-03 | TW-1025-1 | Water  | 10/27/2025  | 11:15       |               |            |          |              |           |
|          |           |        |             |             | VOC-TCLVOA-10 | TCL+30/TAL | 8260-Low | 10 Bus. Days |           |
| Q3495-04 | TB        | Water  | 10/27/2025  | 08:00       |               |            |          |              |           |
|          |           |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |

Relinquished By : *OR*

Date / Time : *10/30/25 11:31*

Received By : *[Signature]*

Date / Time : *10/30/25 11:31*

Storage Area : VOA Refridgerator Room

*Ref # 6*  
*Ref # 2*  
*Ref # 4*