284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

# DATA REPORTING QUALIFIERS- ORGANIC

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

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

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2344 | **OrderDate:** | 6/17/2025 11:52:00 AM |
| **Client:** | Lockwood, Kessler & Bartlett, Inc. | **Project:** | Ansonia Landfill 2025 |
| **Contact:** | John Gerlach | **Location:** | D31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2344-01** | **MW-1** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2344-03** | **MW-3** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2344-05** | **MW-4** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2344-07** | **MW-2** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |
| **Q2344-09** | **TRIP-BLANK** | **Water** | | | **06/16/25** | | | **06/17/25** |
| | | | VOCMS Group1 | 8260-Low | | | 06/18/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2344

**Client:** Lockwood, Kessler & Bartlett, Inc.

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **MW-2** | | | | | | | |
| Q2344-07 | MW-2 | Water | cis-1,2-Dichloroethene | 0.49 | J | 0.19 | 1.00 | ug/L |
| Q2344-07 | MW-2 | Water | Chlorobenzene | 0.46 | J | 0.12 | 1.00 | ug/L |
| | | | **Total Voc :** | 0.95 | | | | |
| | | | **Total Concentration:** | 0.95 | | | | |


# QC SUMMARY

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# Surrogate Summary

**SDG No.:** Q2344

**Client:** Lockwood, Kessler & Bartlett, Inc.

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q2344-01 | MW-1 | 1,2-Dichloroethane-d4 | 50 | 46.9 | 94 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.9 | 98 | 75 | 124 |
| | | Toluene-d8 | 50 | 49.5 | 99 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 77 | 121 |
| Q2344-03 | MW-3 | 1,2-Dichloroethane-d4 | 50 | 47.1 | 94 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 49.5 | 99 | 75 | 124 |
| | | Toluene-d8 | 50 | 49.8 | 99 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 77 | 121 |
| Q2344-05 | MW-4 | 1,2-Dichloroethane-d4 | 50 | 46.5 | 93 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.8 | 98 | 75 | 124 |
| | | Toluene-d8 | 50 | 49.6 | 99 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 48.0 | 96 | 77 | 121 |
| Q2344-07 | MW-2 | 1,2-Dichloroethane-d4 | 50 | 46.5 | 93 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.5 | 97 | 75 | 124 |
| | | Toluene-d8 | 50 | 49.0 | 98 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 47.9 | 96 | 77 | 121 |
| Q2344-09 | TRIP-BLANK | 1,2-Dichloroethane-d4 | 50 | 48.0 | 96 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.6 | 97 | 75 | 124 |
| | | Toluene-d8 | 50 | 49.7 | 99 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 49.5 | 99 | 77 | 121 |
| VX0618WBL01 | VX0618WBL01 | 1,2-Dichloroethane-d4 | 50 | 45.5 | 91 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 48.8 | 98 | 75 | 124 |
| | | Toluene-d8 | 50 | 49.4 | 99 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.6 | 101 | 77 | 121 |
| VX0618WBS01 | VX0618WBS01 | 1,2-Dichloroethane-d4 | 50 | 49.7 | 99 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 50.5 | 101 | 75 | 124 |
| | | Toluene-d8 | 50 | 51.3 | 103 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 53.9 | 108 | 77 | 121 |
| VX0618WBSD0 | VX0618WBSD01 | 1,2-Dichloroethane-d4 | 50 | 50.0 | 100 | 74 | 125 |
| | | Dibromofluoromethane | 50 | 50.7 | 101 | 75 | 124 |
| | | Toluene-d8 | 50 | 51.6 | 103 | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 54.8 | 110 | 77 | 121 |

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

**SW-846**

**SDG No.:** Q2344

**Client:** Lockwood, Kessler & Bartlett, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX046731.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0618WBS01 | Vinyl chloride | 20 | 19.2 | ug/L | 96 | | | 65 | 117 | |
| | Chloroethane | 20 | 19.2 | ug/L | 96 | | | 56 | 128 | |
| | Trichlorofluoromethane | 20 | 19.2 | ug/L | 96 | | | 73 | 115 | |
| | 1,1-Dichloroethene | 20 | 18.7 | ug/L | 94 | | | 74 | 110 | |
| | Acrylonitrile | 100 | 89.1 | ug/L | 89 | | | 73 | 113 | |
| | Acetone | 100 | 89.9 | ug/L | 90 | | | 60 | 125 | |
| | Carbon disulfide | 20 | 17.4 | ug/L | 87 | | | 64 | 112 | |
| | Methylene Chloride | 20 | 18.2 | ug/L | 91 | | | 72 | 114 | |
| | Vinyl Acetate | 100 | 92.7 | ug/L | 93 | | | 76 | 115 | |
| | 2-Butanone | 100 | 89.9 | ug/L | 90 | | | 65 | 122 | |
| | Carbon Tetrachloride | 20 | 18.4 | ug/L | 92 | | | 77 | 113 | |
| | cis-1,2-Dichloroethene | 20 | 18.8 | ug/L | 94 | | | 77 | 110 | |
| | Bromochloromethane | 20 | 22.0 | ug/L | 110 | | | 70 | 124 | |
| | Chloroform | 20 | 18.9 | ug/L | 95 | | | 79 | 113 | |
| | 1,1,1-Trichloroethane | 20 | 18.8 | ug/L | 94 | | | 80 | 108 | |
| | Benzene | 20 | 18.8 | ug/L | 94 | | | 82 | 109 | |
| | 1,2-Dichloropropane | 20 | 18.5 | ug/L | 93 | | | 83 | 111 | |
| | Dibromomethane | 20 | 18.8 | ug/L | 94 | | | 82 | 110 | |
| | Bromodichloromethane | 20 | 18.7 | ug/L | 94 | | | 83 | 110 | |
| | 4-Methyl-2-Pentanone | 100 | 91.3 | ug/L | 91 | | | 74 | 118 | |
| | Toluene | 20 | 19.1 | ug/L | 96 | | | 82 | 110 | |
| | t-1,3-Dichloropropene | 20 | 18.3 | ug/L | 92 | | | 79 | 110 | |
| | cis-1,3-Dichloropropene | 20 | 18.4 | ug/L | 92 | | | 82 | 110 | |
| | 2-Hexanone | 100 | 92.2 | ug/L | 92 | | | 73 | 117 | |
| | Dibromochloromethane | 20 | 18.8 | ug/L | 94 | | | 82 | 110 | |
| | 1,2-Dibromoethane | 20 | 19.1 | ug/L | 96 | | | 81 | 110 | |
| | Tetrachloroethene | 20 | 18.1 | ug/L | 91 | | | 67 | 123 | |
| | Chlorobenzene | 20 | 18.3 | ug/L | 92 | | | 82 | 109 | |
| | 1,1,1,2-Tetrachloroethane | 20 | 18.6 | ug/L | 93 | | | 84 | 111 | |
| | Ethyl Benzene | 20 | 18.3 | ug/L | 92 | | | 83 | 109 | |
| | m/p-Xylenes | 40 | 37.2 | ug/L | 93 | | | 82 | 110 | |
| | o-Xylene | 20 | 19.1 | ug/L | 96 | | | 83 | 109 | |
| | Styrene | 20 | 18.8 | ug/L | 94 | | | 80 | 111 | |
| | Bromoform | 20 | 17.9 | ug/L | 90 | | | 79 | 109 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 17.6 | ug/L | 88 | | | 76 | 118 | |
| | 1,2,3-Trichloropropane | 20 | 17.9 | ug/L | 90 | | | 75 | 112 | |
| | 1,4-Dichlorobenzene | 20 | 17.1 | ug/L | 86 | | | 82 | 107 | |
| | 1,2-Dichlorobenzene | 20 | 17.8 | ug/L | 89 | | | 82 | 109 | |
| | 1,2-Dibromo-3-Chloropropane | 20 | 16.3 | ug/L | 81 | | | 68 | 112 | |
| | Methyl iodide | 20 | 18.3 | ug/L | 92 | | | 70 | 130 | |
| | trans-1,4-Dichloro-2-butene | 20 | 15.9 | ug/L | 79 | | | 79 | 102 | |

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

**SW-846**

**SDG No.:** Q2344

**Client:** Lockwood, Kessler & Bartlett, Inc.

**Analytical Method:** SW8260-Low **Datafile :** VX046732.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0618WBSD01 | Vinyl chloride | 20 | 18.3 | ug/L | 92 | 4 | | 65 | 117 | 19 |
| | Chloroethane | 20 | 19.8 | ug/L | 99 | 3 | | 56 | 128 | 20 |
| | Trichlorofluoromethane | 20 | 18.8 | ug/L | 94 | 2 | | 73 | 115 | 16 |
| | 1,1-Dichloroethene | 20 | 18.7 | ug/L | 94 | 0 | | 74 | 110 | 20 |
| | Acrylonitrile | 100 | 95.1 | ug/L | 95 | 7 | | 73 | 113 | 29 |
| | Acetone | 100 | 90.2 | ug/L | 90 | 0 | | 60 | 125 | 20 |
| | Carbon disulfide | 20 | 17.1 | ug/L | 86 | 1 | | 64 | 112 | 20 |
| | Methylene Chloride | 20 | 18.5 | ug/L | 93 | 2 | | 72 | 114 | 20 |
| | Vinyl Acetate | 100 | 96.7 | ug/L | 97 | 4 | | 76 | 115 | 26 |
| | 2-Butanone | 100 | 95.2 | ug/L | 95 | 5 | | 65 | 122 | 26 |
| | Carbon Tetrachloride | 20 | 18.5 | ug/L | 93 | 1 | | 77 | 113 | 15 |
| | cis-1,2-Dichloroethene | 20 | 18.9 | ug/L | 95 | 1 | | 77 | 110 | 20 |
| | Bromochloromethane | 20 | 23.2 | ug/L | 116 | 5 | | 70 | 124 | 20 |
| | Chloroform | 20 | 19.4 | ug/L | 97 | 2 | | 79 | 113 | 20 |
| | 1,1,1-Trichloroethane | 20 | 18.7 | ug/L | 94 | 0 | | 80 | 108 | 20 |
| | Benzene | 20 | 19.2 | ug/L | 96 | 2 | | 82 | 109 | 15 |
| | 1,2-Dichloropropane | 20 | 19.3 | ug/L | 97 | 4 | | 83 | 111 | 16 |
| | Dibromomethane | 20 | 19.5 | ug/L | 98 | 4 | | 82 | 110 | 20 |
| | Bromodichloromethane | 20 | 19.8 | ug/L | 99 | 5 | | 83 | 110 | 16 |
| | 4-Methyl-2-Pentanone | 100 | 99.8 | ug/L | 100 | 9 | | 74 | 118 | 25 |
| | Toluene | 20 | 19.4 | ug/L | 97 | 1 | | 82 | 110 | 16 |
| | t-1,3-Dichloropropene | 20 | 19.1 | ug/L | 96 | 4 | | 79 | 110 | 20 |
| | cis-1,3-Dichloropropene | 20 | 19.2 | ug/L | 96 | 4 | | 82 | 110 | 16 |
| | 2-Hexanone | 100 | 99.0 | ug/L | 99 | 7 | | 73 | 117 | 25 |
| | Dibromochloromethane | 20 | 19.7 | ug/L | 99 | 5 | | 82 | 110 | 20 |
| | 1,2-Dibromoethane | 20 | 19.6 | ug/L | 98 | 2 | | 81 | 110 | 20 |
| | Tetrachloroethene | 20 | 18.4 | ug/L | 92 | 1 | | 67 | 123 | 15 |
| | Chlorobenzene | 20 | 18.7 | ug/L | 94 | 2 | | 82 | 109 | 15 |
| | 1,1,1,2-Tetrachloroethane | 20 | 18.8 | ug/L | 94 | 1 | | 84 | 111 | 20 |
| | Ethyl Benzene | 20 | 18.5 | ug/L | 93 | 1 | | 83 | 109 | 16 |
| | m/p-Xylenes | 40 | 37.8 | ug/L | 95 | 2 | | 82 | 110 | 15 |
| | o-Xylene | 20 | 19.5 | ug/L | 98 | 2 | | 83 | 109 | 20 |
| | Styrene | 20 | 19.1 | ug/L | 96 | 2 | | 80 | 111 | 17 |
| | Bromoform | 20 | 18.7 | ug/L | 94 | 4 | | 79 | 109 | 20 |
| | 1,1,2,2-Tetrachloroethane | 20 | 18.8 | ug/L | 94 | 7 | | 76 | 118 | 20 |
| | 1,2,3-Trichloropropane | 20 | 19.3 | ug/L | 97 | 7 | | 75 | 112 | 20 |
| | 1,4-Dichlorobenzene | 20 | 17.8 | ug/L | 89 | 3 | | 82 | 107 | 15 |
| | 1,2-Dichlorobenzene | 20 | 18.6 | ug/L | 93 | 4 | | 82 | 109 | 20 |
| | 1,2-Dibromo-3-Chloropropane | 20 | 18.0 | ug/L | 90 | 11 | | 68 | 112 | 20 |
| | Methyl iodide | 20 | 19.0 | ug/L | 95 | 3 | | 70 | 130 | 20 |
| | trans-1,4-Dichloro-2-butene | 20 | 17.2 | ug/L | 86 | 8 | | 79 | 102 | 20 |

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0618WBL01

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046730.D Lab Sample ID: VX0618WBL01

Date Analyzed: 06/18/2025 Time Analyzed: 10:45

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 SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX0618WBS01 | VX0618WBS01 | VX046731.D | 06/18/2025 |
| VX0618WBSD01 | VX0618WBSD01 | VX046732.D | 06/18/2025 |
| TRIP-BLANK | Q2344-09 | VX046748.D | 06/18/2025 |
| MW-1 | Q2344-01 | VX046749.D | 06/18/2025 |
| MW-3 | Q2344-03 | VX046750.D | 06/18/2025 |
| MW-4 | Q2344-05 | VX046751.D | 06/18/2025 |
| MW-2 | Q2344-07 | VX046752.D | 06/18/2025 |

COMMENTS:

Alliance TECHNICAL GROUP

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

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046715.D BFB Injection Date: 06/17/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:46

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 | 18.7 |
| 75 | 30.0 - 60.0% of mass 95 | 50.7 |
| 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 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 72 ( 96.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 6 ) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VX046718.D | 06/17/2025 | 11:19 |
| VSTDICC020 | VSTDICC020 | VX046719.D | 06/17/2025 | 13:59 |
| VSTDICCC050 | VSTDICCC050 | VX046720.D | 06/17/2025 | 14:20 |
| VSTDICC100 | VSTDICC100 | VX046721.D | 06/17/2025 | 14:41 |
| VSTDICC150 | VSTDICC150 | VX046722.D | 06/17/2025 | 15:02 |
| VSTDICC001 | VSTDICC001 | VX046725.D | 06/17/2025 | 17:18 |

Raw Data: **VX046727.D**

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

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046727.D BFB Injection Date: 06/18/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:59

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 | 18.9 |
| 75 | 30.0 - 60.0% of mass 95 | 50.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.8 |
| 173 | Less than 2.0% of mass 174 | 0.4 ( 0.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74 |
| 175 | 5.0 - 9.0% of mass 174 | 5.6 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 71.4 ( 96.5 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6.3 ) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX046728.D | 06/18/2025 | 09:33 |
| VX0618WBL01 | VX0618WBL01 | VX046730.D | 06/18/2025 | 10:45 |
| VX0618WBS01 | VX0618WBS01 | VX046731.D | 06/18/2025 | 11:07 |
| VX0618WBSD01 | VX0618WBSD01 | VX046732.D | 06/18/2025 | 11:29 |
| TRIP-BLANK | Q2344-09 | VX046748.D | 06/18/2025 | 17:12 |
| MW-1 | Q2344-01 | VX046749.D | 06/18/2025 | 17:34 |
| MW-3 | Q2344-03 | VX046750.D | 06/18/2025 | 17:55 |
| MW-4 | Q2344-05 | VX046751.D | 06/18/2025 | 18:16 |
| MW-2 | Q2344-07 | VX046752.D | 06/18/2025 | 18:37 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 153144 | 5.56 | 247293 | 6.76 | 216990 | 10.06 |
| UPPER LIMIT | 306288 | 6.056 | 494586 | 7.263 | 433980 | 10.555 |
| LOWER LIMIT | 76572 | 5.056 | 123647 | 6.263 | 108495 | 9.555 |
| EPA SAMPLE NO. | | | | | | |
| MW-1 | 206985 | 5.57 | 342093 | 6.77 | 301676 | 10.06 |
| MW-3 | 199636 | 5.57 | 328730 | 6.77 | 286981 | 10.06 |
| MW-4 | 192926 | 5.56 | 318077 | 6.77 | 278709 | 10.06 |
| MW-2 | 213961 | 5.57 | 355243 | 6.77 | 307080 | 10.06 |
| TRIP-BLANK | 127995 | 5.57 | 213425 | 6.77 | 190681 | 10.06 |
| VX0618WBL01 | 167417 | 5.56 | 270618 | 6.76 | 242123 | 10.06 |
| VX0618WBS01 | 156160 | 5.56 | 258286 | 6.77 | 234034 | 10.06 |
| VX0618WBSD01 | 143671 | 5.56 | 237031 | 6.77 | 217627 | 10.06 |

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

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

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

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG NO.: Q2344

Lab File ID: VX046728.D Date Analyzed: 06/18/2025

Instrument ID: MSVOA_X Time Analyzed: 09:33

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 104970 | 12.018 | | | | |
| UPPER LIMIT | 209940 | 12.518 | | | | |
| LOWER LIMIT | 52485 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| MW-1 | 143592 | 12.02 | | | | |
| MW-3 | 138013 | 12.02 | | | | |
| MW-4 | 130790 | 12.02 | | | | |
| MW-2 | 148475 | 12.02 | | | | |
| TRIP-BLANK | 93543 | 12.02 | | | | |
| VX0618WBL01 | 121135 | 12.02 | | | | |
| VX0618WBS01 | 121898 | 12.02 | | | | |
| VX0618WBSD01 | 112227 | 12.02 | | | | |

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

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-1 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046749.D | 1 | | 06/18/25 17:34 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 0.83 | U | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 0.66 | U | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-1 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046749.D | 1 | | 06/18/25 17:34 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 0.83 | U | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.84 | U | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.9 | | 74 - 125 | 94% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.9 | | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.5 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.1 | | 77 - 121 | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 207000 | 5.568 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 342000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 302000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 144000 | 12.018 | | | |

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\VX061825\
Data File : VX046749.D
Acq On : 18 Jun 2025 17:34
Operator : JC/MD
Sample : Q2344-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Quant Time: Jun 19 01:27:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

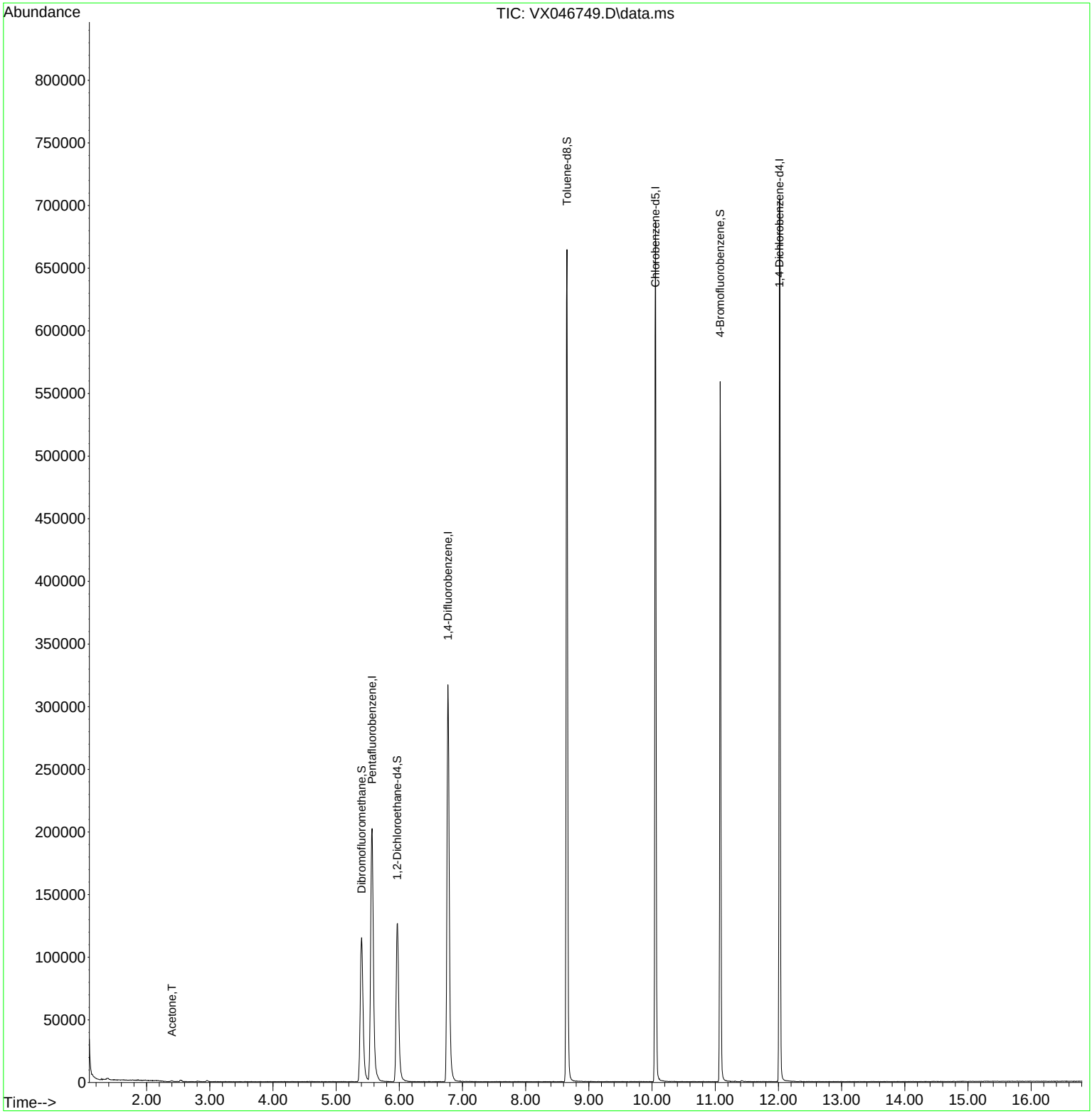
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 206985 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 342093 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 301676 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 143592 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 134324 | 46.918 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 93.840% | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 110764 | 48.937 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.880% | | |
| 50) Toluene-d8 | 8.653 | 98 | 402759 | 49.529 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.060% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 145810 | 48.102 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 96.200% | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 2.398 | 43 | 997 | 1.044 | ug/l | 97 |

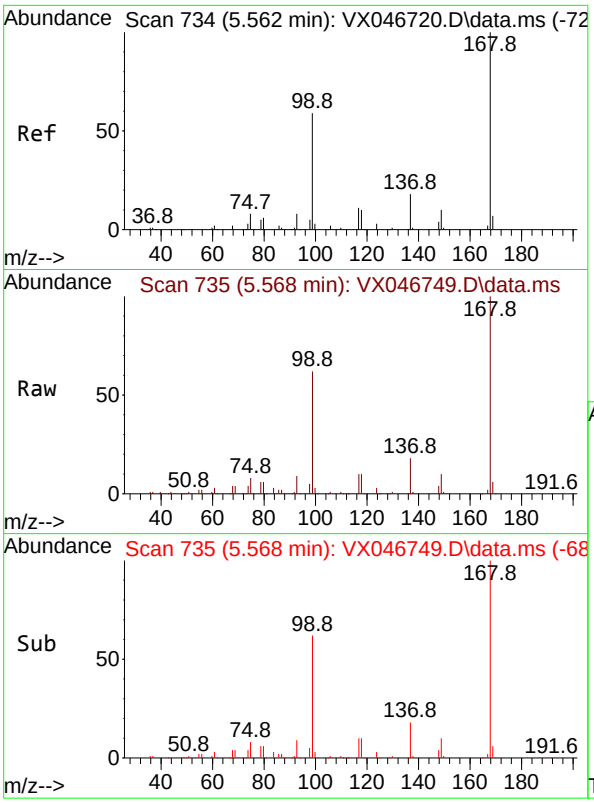
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046749.D
Acq On : 18 Jun 2025 17:34
Operator : JC/MD
Sample : Q2344-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Quant Time: Jun 19 01:27:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



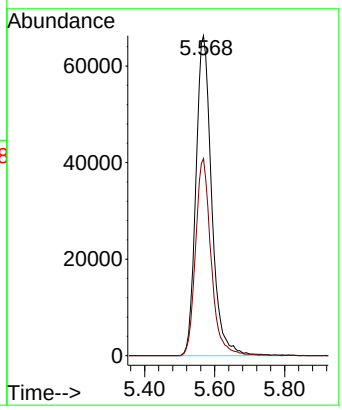


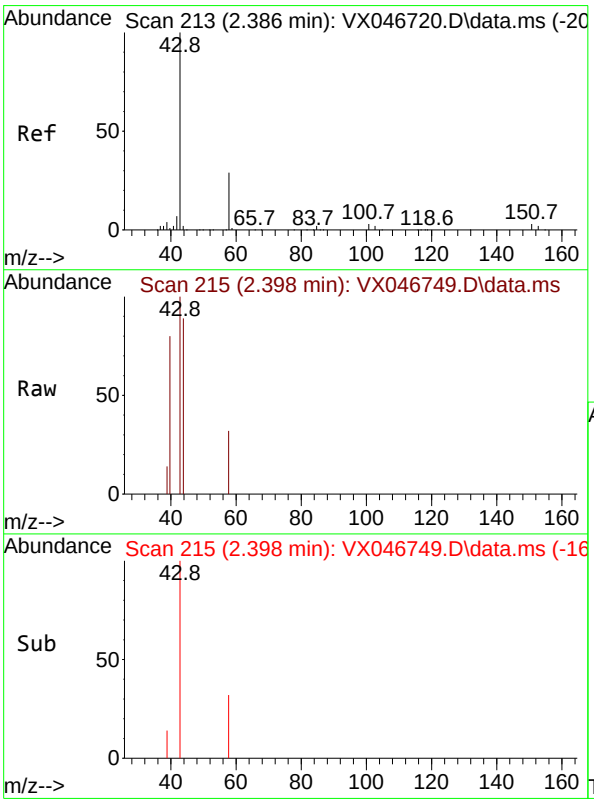

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Tgt Ion:168 Resp: 206985

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 61.6 | 48.5 | 72.7 |

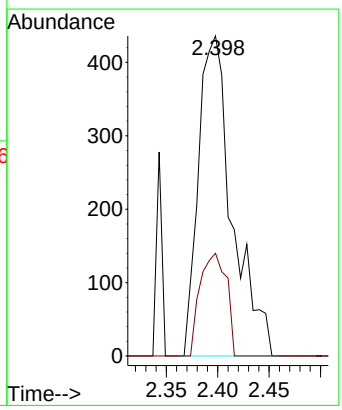


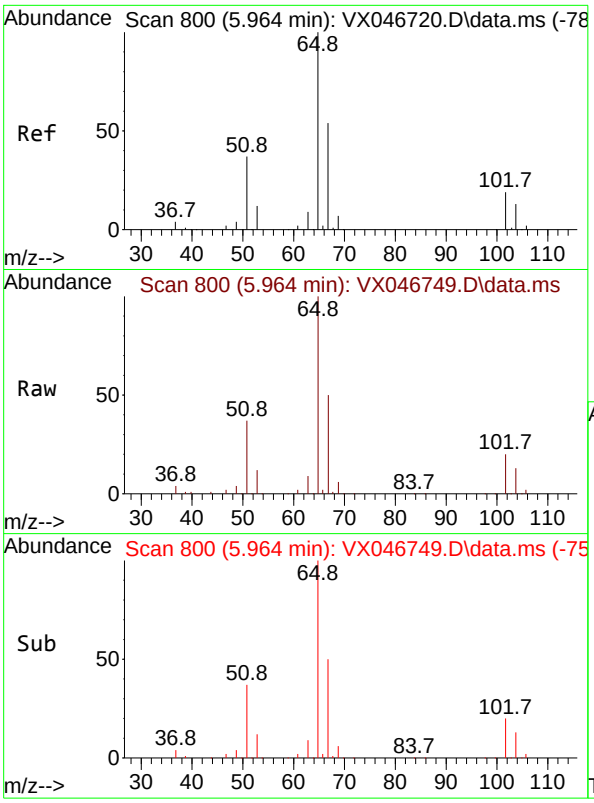




#16
Acetone
Concen: 1.044 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

Tgt Ion: 43 Resp: 997

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 32.1 | 24.5 | 36.7 |



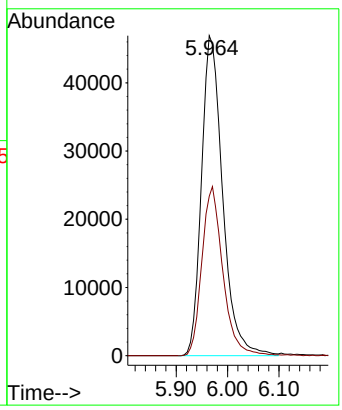


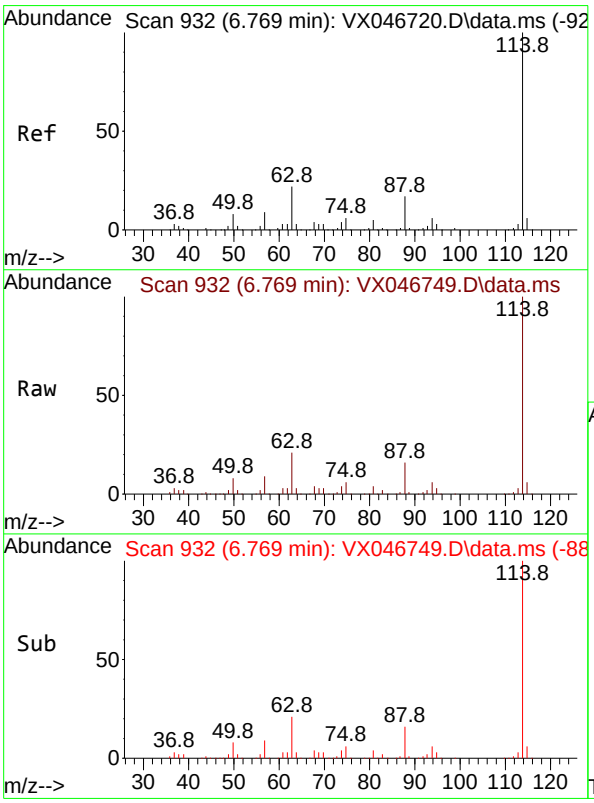

#33
1,2-Dichloroethane-d4
Concen: 46.918 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Tgt Ion: 65 Resp: 134324

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.2 | 0.0 | 105.4 |

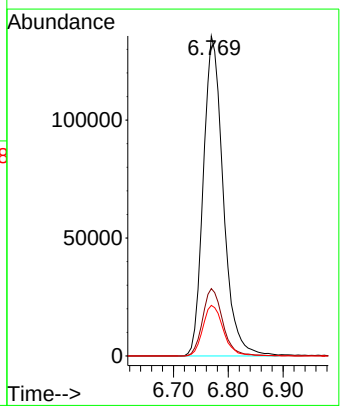


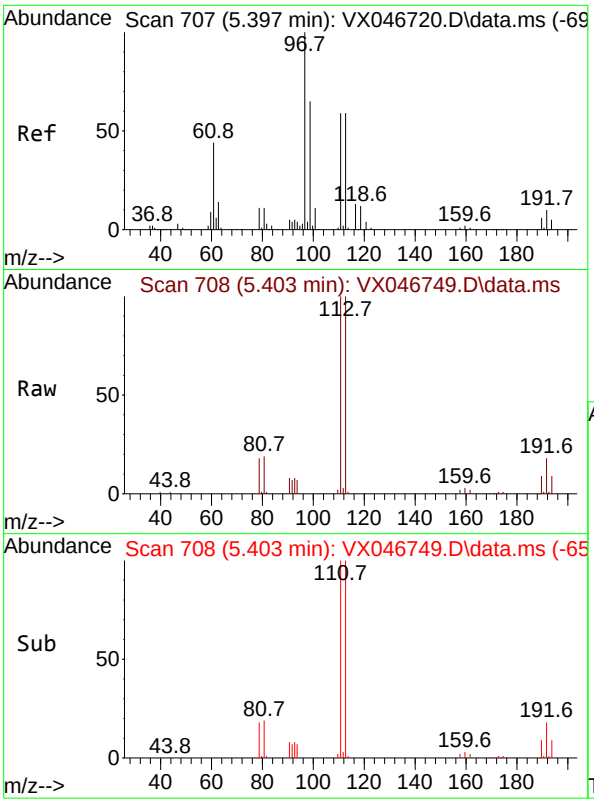




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

Tgt Ion:114 Resp: 342093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 44.2 |
| 88 | 15.8 | 0.0 | 33.2 |



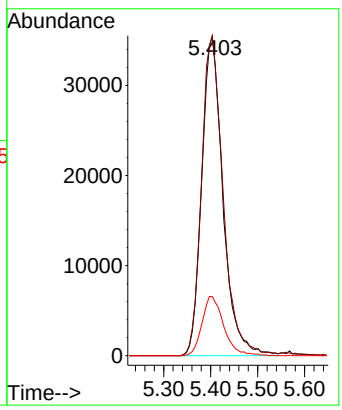


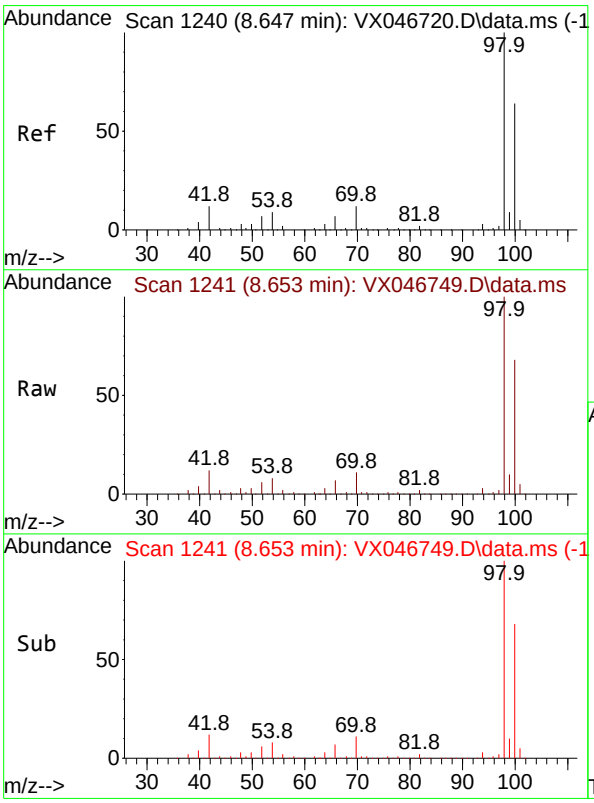

#35
Dibromofluoromethane
Concen: 48.937 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Tgt Ion:113 Resp: 110764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.2 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |

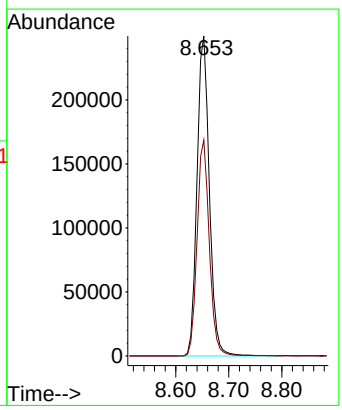


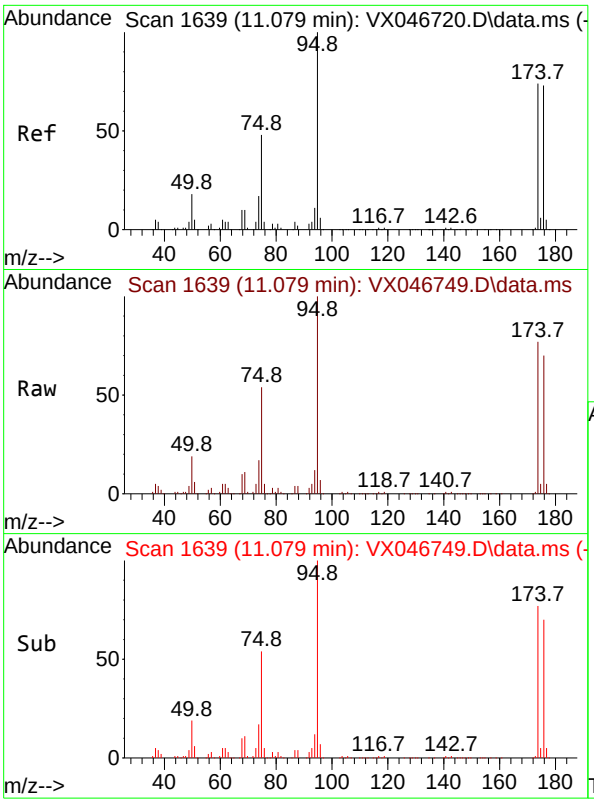




#50
Toluene-d8
Concen: 49.529 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

Tgt Ion: 98 Resp: 402759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 53.0 | 79.4 |



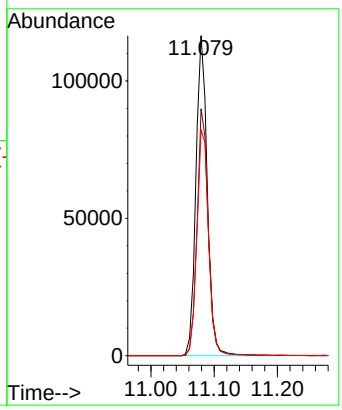


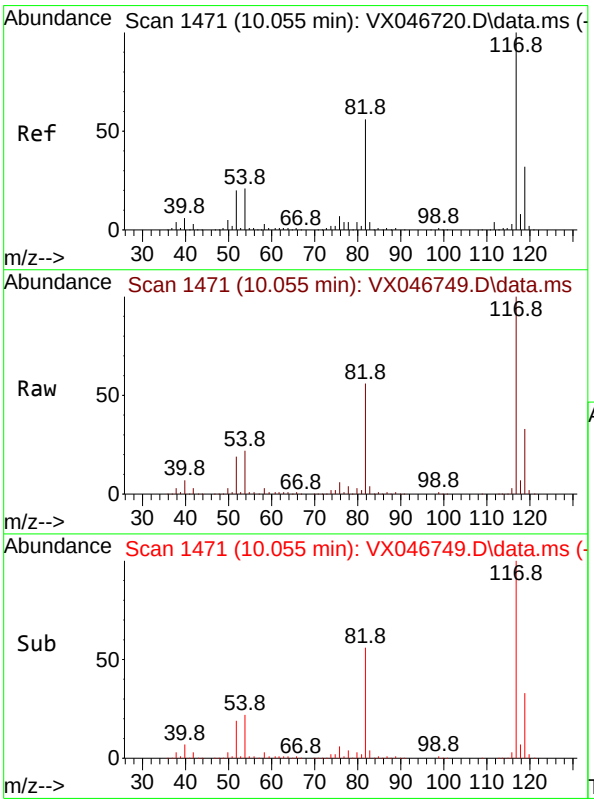

#62
4-Bromofluorobenzene
Concen: 48.102 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Tgt Ion: 95 Resp: 145810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.6 | 0.0 | 150.4 |
| 176 | 72.9 | 0.0 | 145.0 |

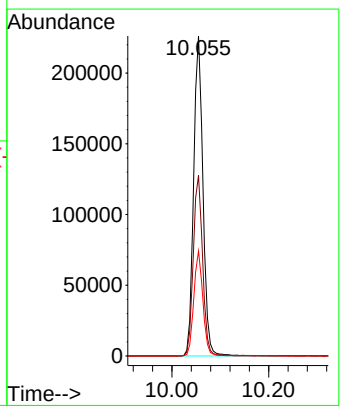


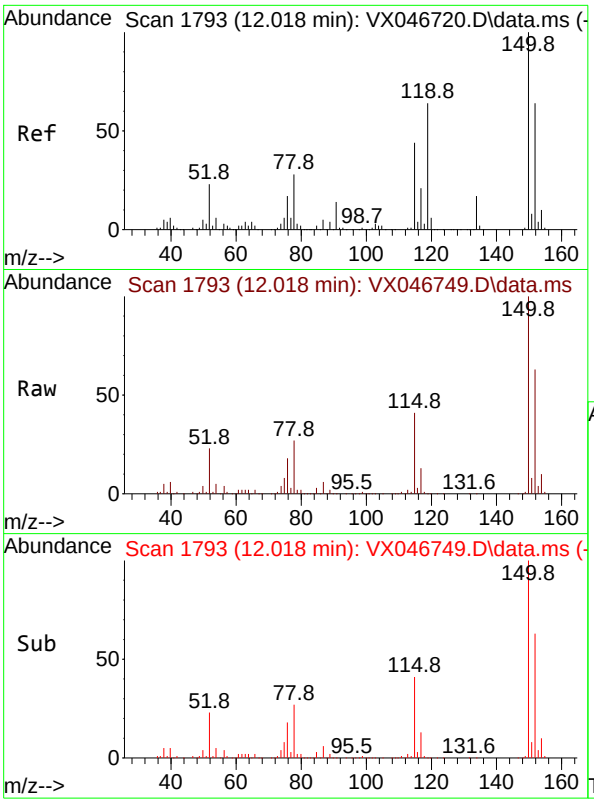




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

Tgt Ion:117 Resp: 301676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.4 | 44.6 | 66.8 |
| 119 | 32.8 | 25.8 | 38.8 |



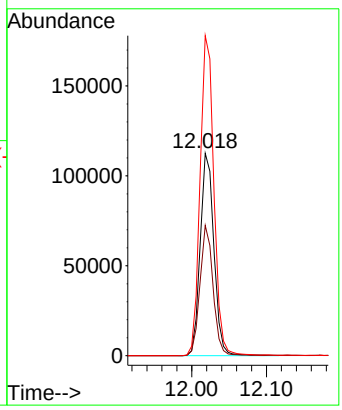



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046749.D
Acq: 18 Jun 2025 17:34

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-1

Tgt Ion:152 Resp: 143592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.6 | 43.2 | 129.6 |
| 150 | 159.2 | 0.0 | 346.8 |



Raw Data: **VX046750.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-3 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046750.D | 1 | | 06/18/25 17:55 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 0.83 | U | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 0.66 | U | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |

Raw Data: **VX046750.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-3 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-03 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046750.D | 1 | | 06/18/25 17:55 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 0.83 | U | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.84 | U | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.1 | | 74 - 125 | 94% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.5 | | 75 - 124 | 99% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.7 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.1 | | 77 - 121 | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 200000 | 5.568 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 329000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 287000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 138000 | 12.024 | | | |

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\VX061825\
Data File : VX046750.D
Acq On : 18 Jun 2025 17:55
Operator : JC/MD
Sample : Q2344-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-3

Quant Time: Jun 19 01:28:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

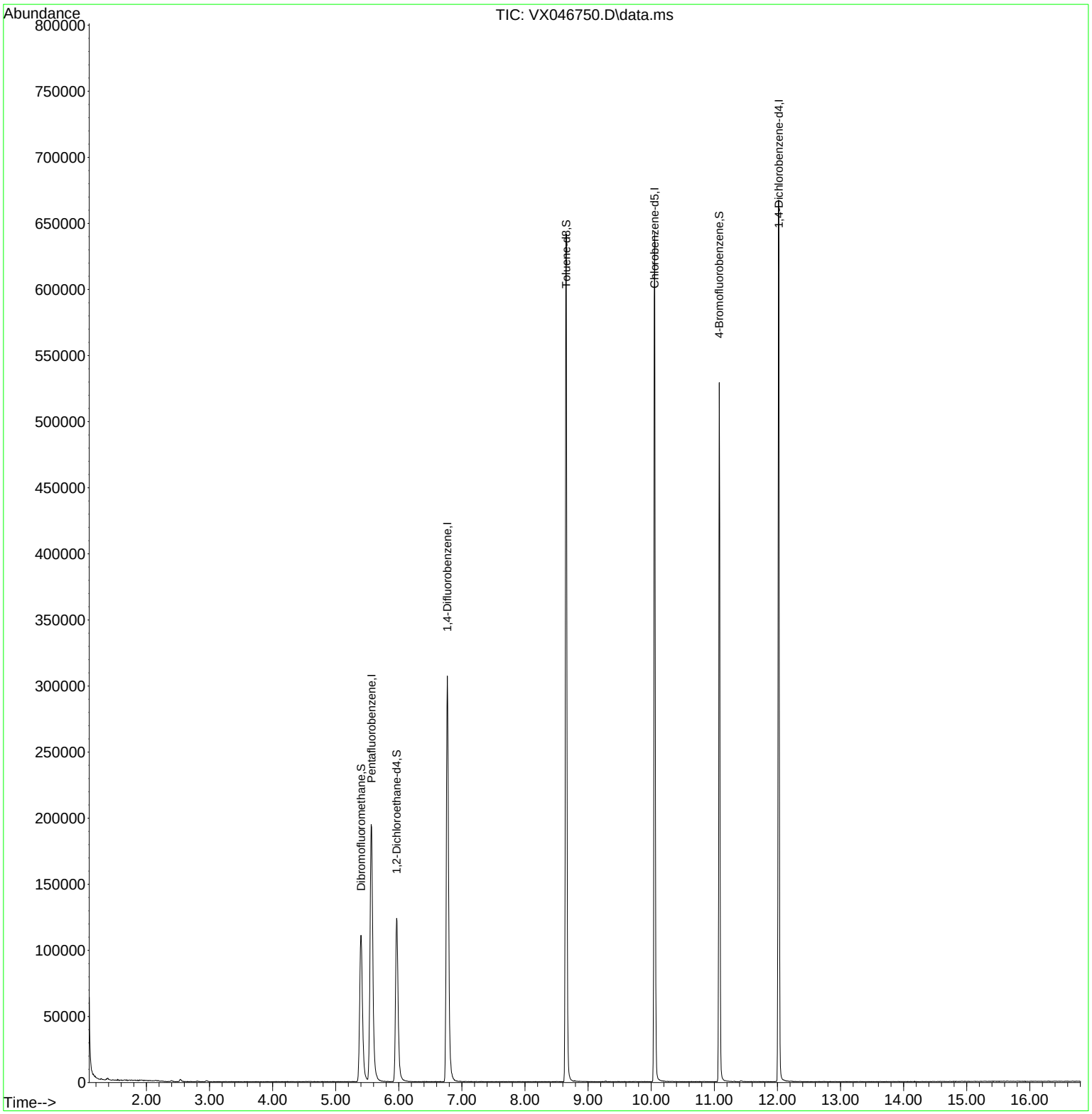
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 199636 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 328730 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 286981 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152 | 138013 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 130020 | 47.086 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 94.180% | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 107701 | 49.518 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 99.040% | | |
| 50) Toluene-d8 | 8.653 | 98 | 388722 | 49.746 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.500% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 140080 | 48.090 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 96.180% | | |
| Target Compounds | | | | | | Qvalue |

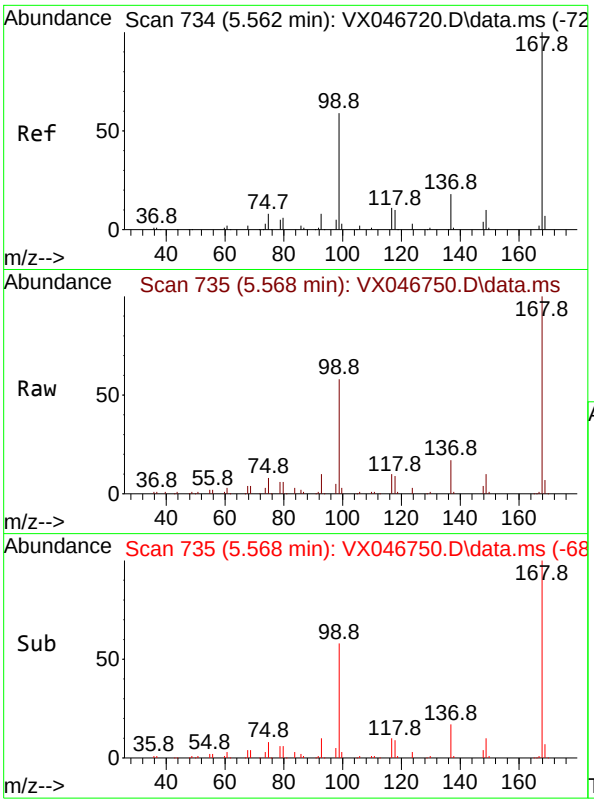
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046750.D
Acq On : 18 Jun 2025 17:55
Operator : JC/MD
Sample : Q2344-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-3

Quant Time: Jun 19 01:28:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



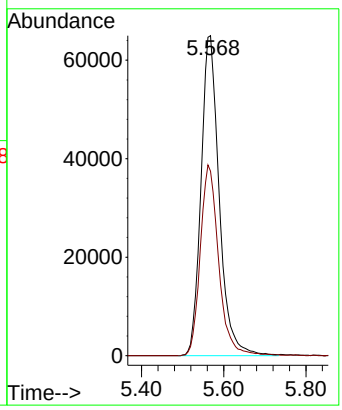


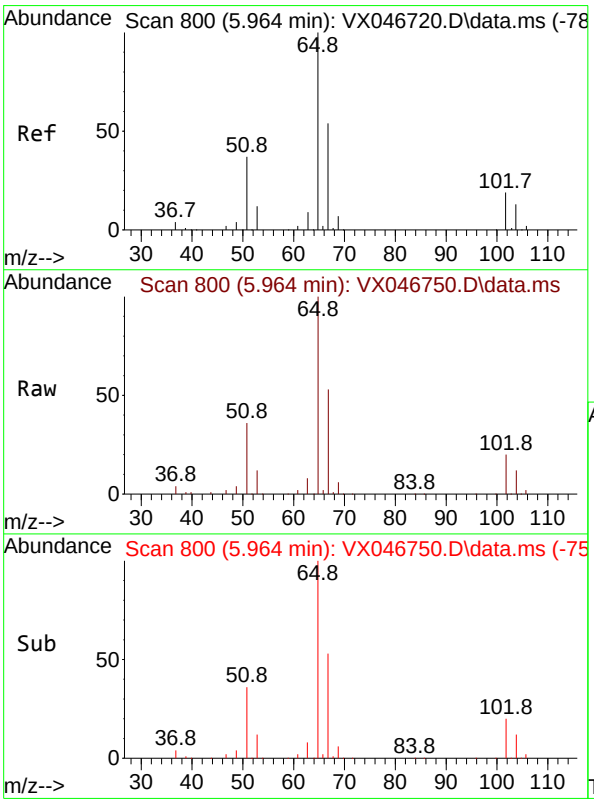

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-3

Tgt Ion:168 Resp: 199636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 57.7 | 48.5 | 72.7 |

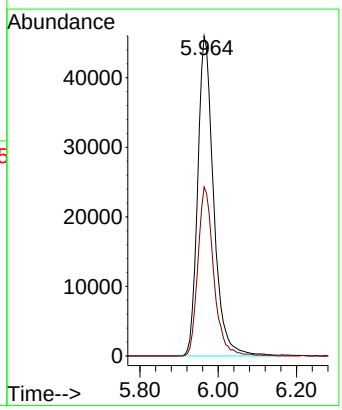


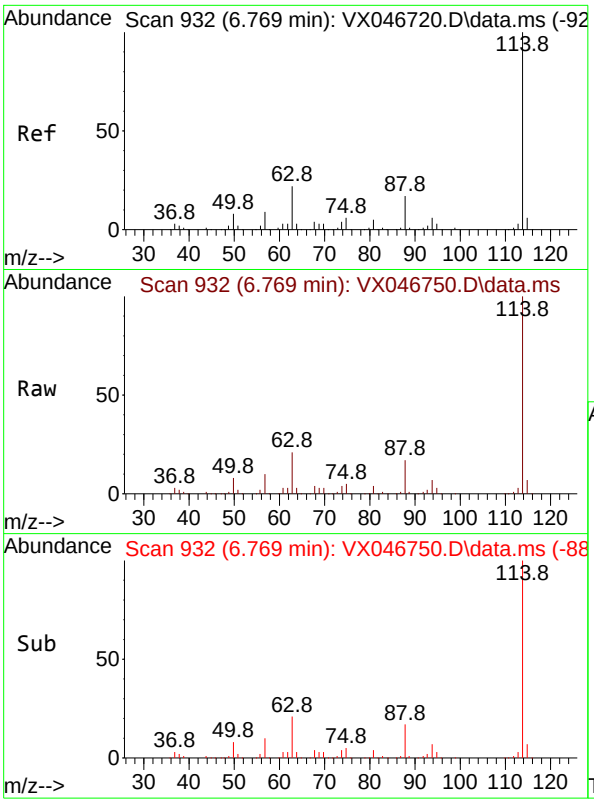




#33
1,2-Dichloroethane-d4
Concen: 47.086 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

Tgt Ion: 65 Resp: 130020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.5 | 0.0 | 105.4 |



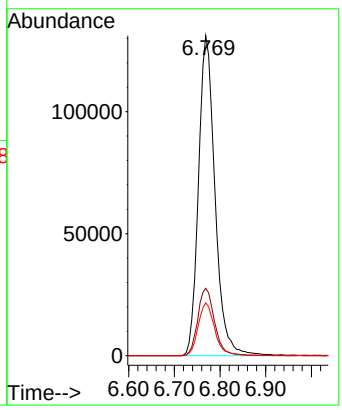


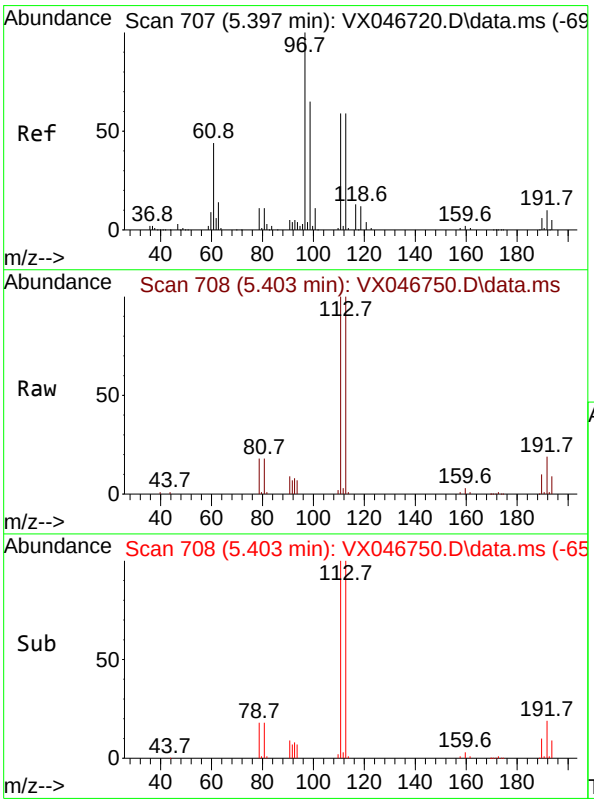

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-3

Tgt Ion:114 Resp: 328730

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.1 | 0.0 | 44.2 |
| 88 | 16.5 | 0.0 | 33.2 |

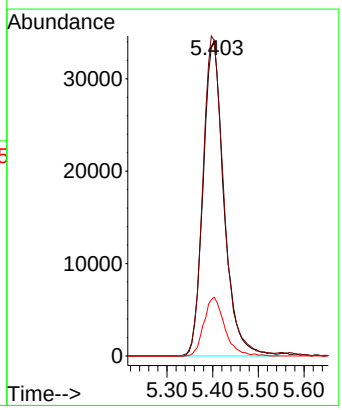


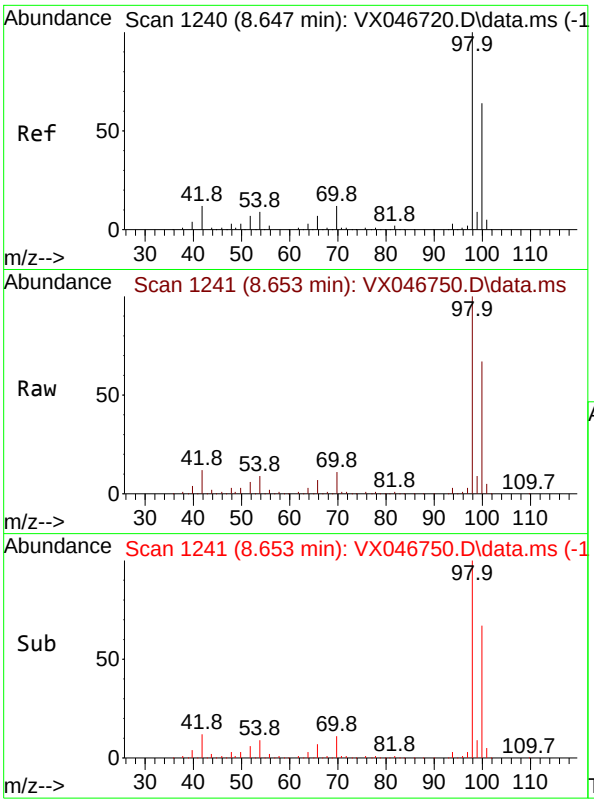




#35
Dibromofluoromethane
Concen: 49.518 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

Tgt Ion:113 Resp: 107701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.1 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |



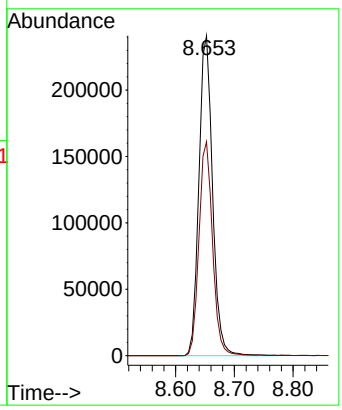


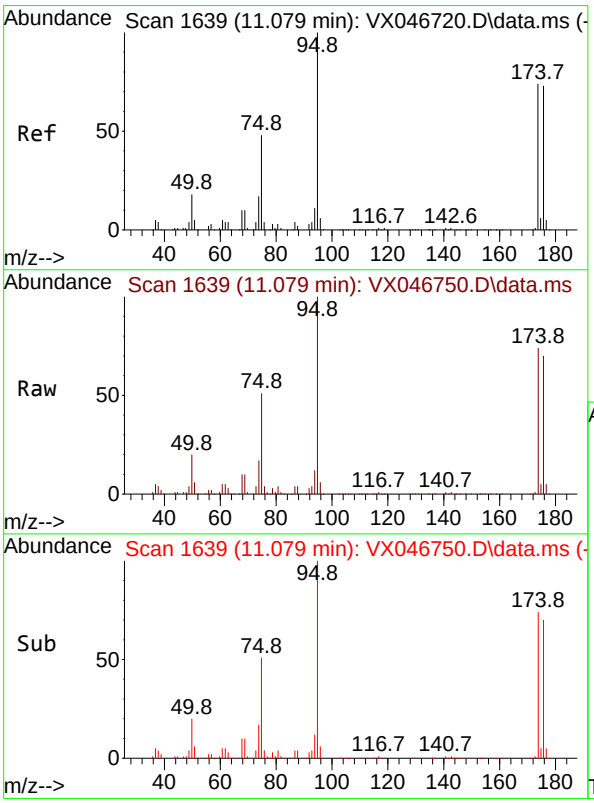

#50
Toluene-d8
Concen: 49.746 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-3

Tgt Ion: 98 Resp: 388722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.6 | 53.0 | 79.4 |

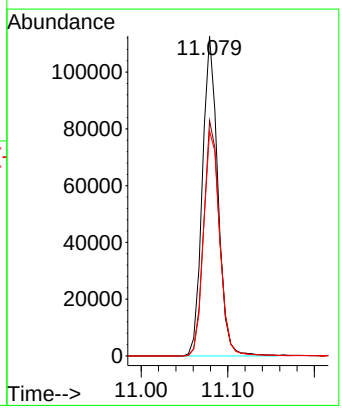


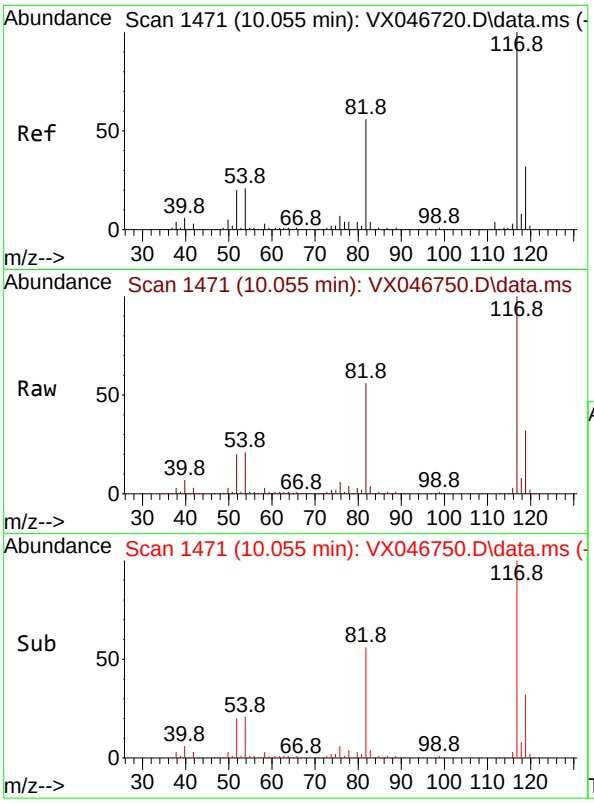




#62
4-Bromofluorobenzene
Concen: 48.090 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

Tgt Ion: 95 Resp: 140080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.7 | 0.0 | 150.4 |
| 176 | 73.3 | 0.0 | 145.0 |



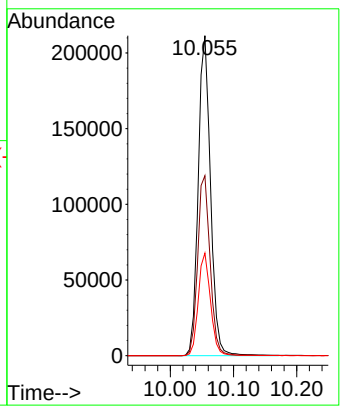


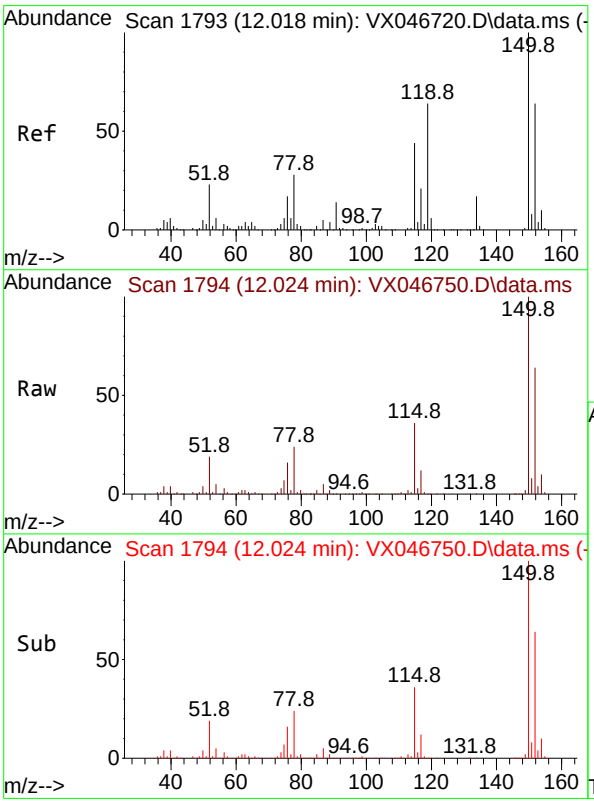

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-3

Tgt Ion:117 Resp: 286981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.6 | 66.8 |
| 119 | 32.0 | 25.8 | 38.8 |

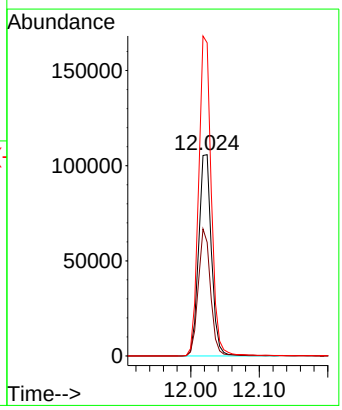



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX046750.D
Acq: 18 Jun 2025 17:55

Tgt Ion:152 Resp: 138013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.5 | 43.2 | 129.6 |
| 150 | 157.2 | 0.0 | 346.8 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-4 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-05 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046751.D | 1 | | 06/18/25 18:16 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 0.83 | U | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 0.66 | U | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |

Raw Data: **VX046751.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-4 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-05 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046751.D | 1 | | 06/18/25 18:16 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 0.83 | U | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.84 | U | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.5 | | 74 - 125 | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.8 | | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.6 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.0 | | 77 - 121 | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 193000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 318000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 279000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 131000 | 12.018 | | | |

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\VX061825\
Data File : VX046751.D
Acq On : 18 Jun 2025 18:16
Operator : JC/MD
Sample : Q2344-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4

Quant Time: Jun 19 01:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 192926 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 318077 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 278709 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 130790 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 124150 | 46.524 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 93.040% | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 102626 | 48.765 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.540% | | |
| 50) Toluene-d8 | 8.647 | 98 | 374699 | 49.557 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.120% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 135286 | 48.000 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 96.000% | | |

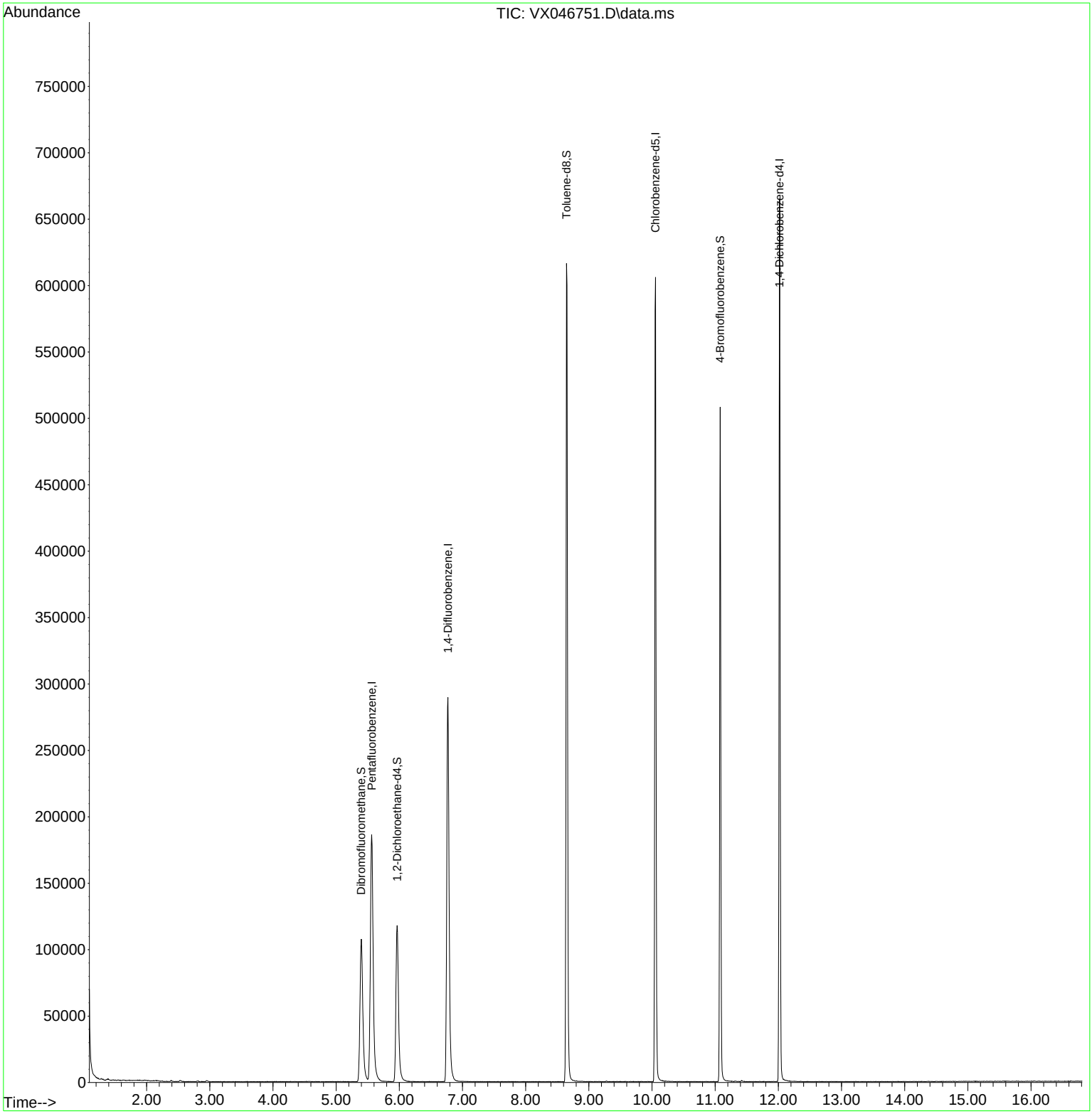
Target Compounds Qvalue

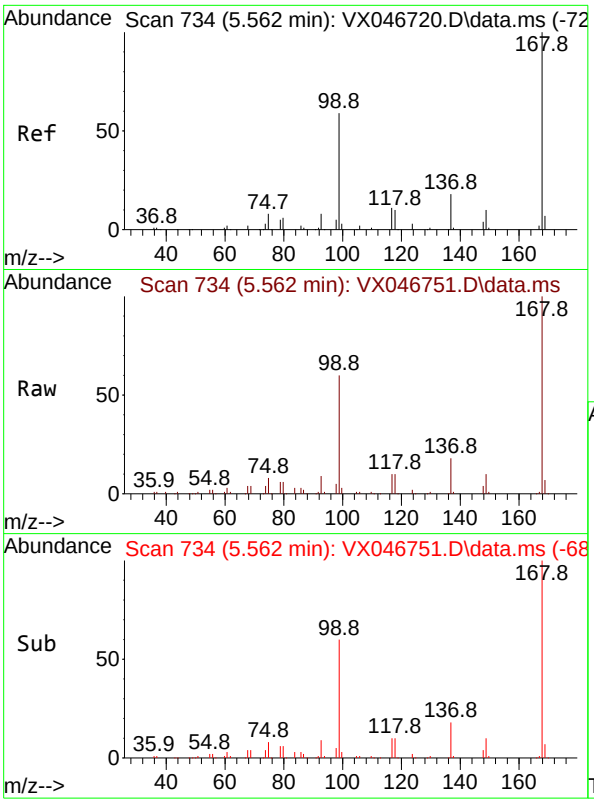
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046751.D
Acq On : 18 Jun 2025 18:16
Operator : JC/MD
Sample : Q2344-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4

Quant Time: Jun 19 01:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



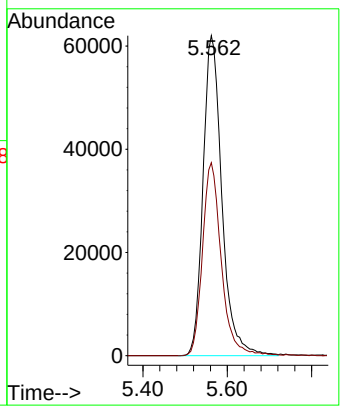


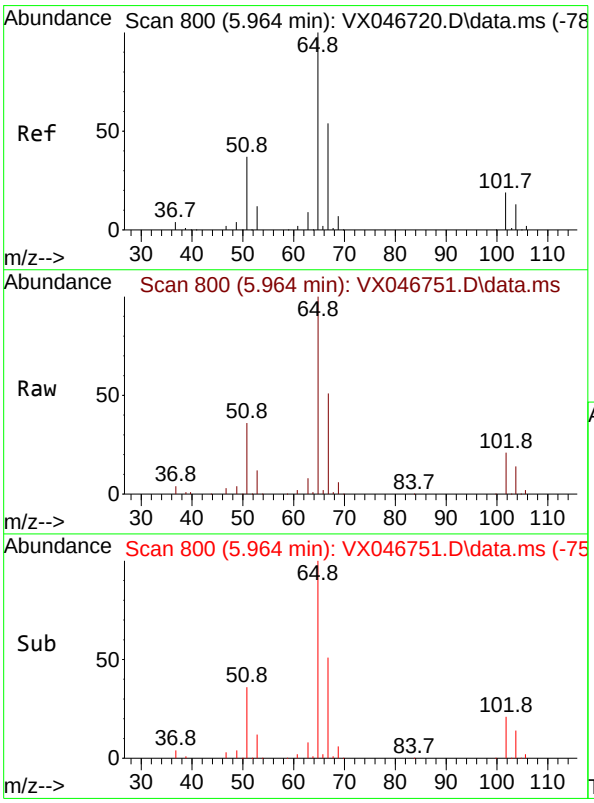

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4

Tgt Ion:168 Resp: 192926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.3 | 48.5 | 72.7 |

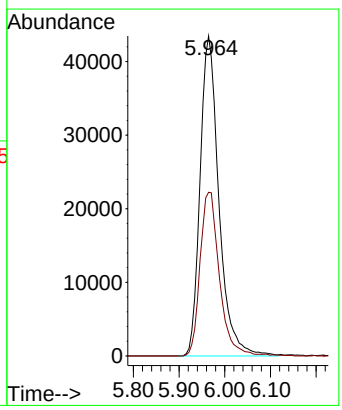


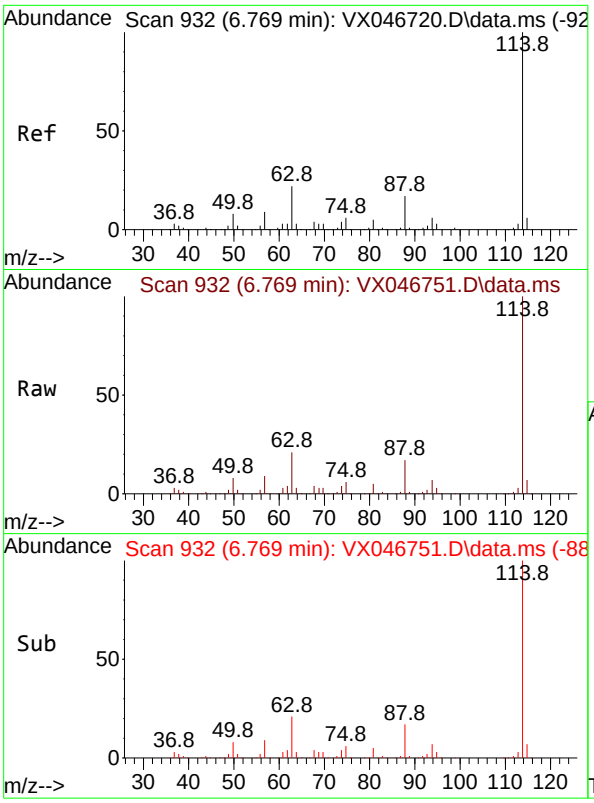




#33
1,2-Dichloroethane-d4
Concen: 46.524 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 65 Resp: 124150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.8 | 0.0 | 105.4 |



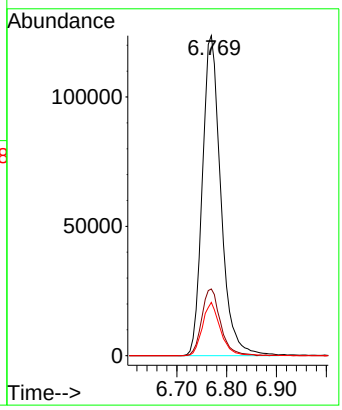


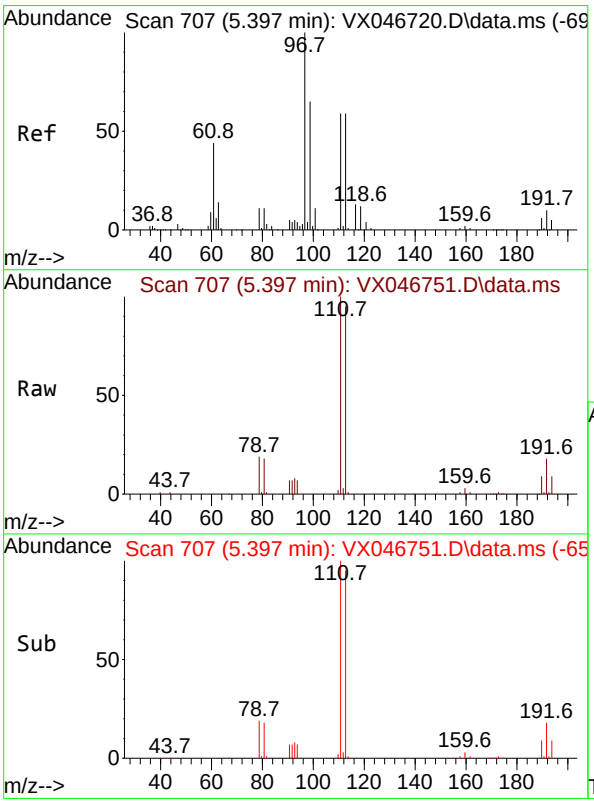

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4

Tgt Ion:114 Resp: 318077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.9 | 0.0 | 44.2 |
| 88 | 16.6 | 0.0 | 33.2 |

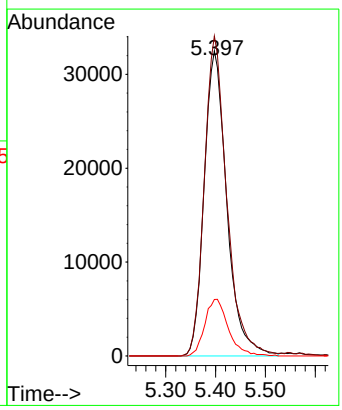


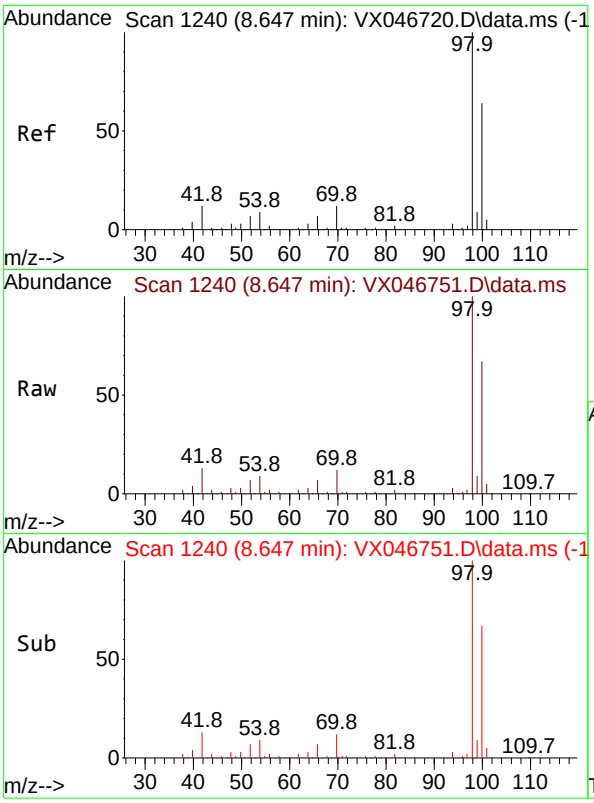




#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion:113 Resp: 102626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.7 | 82.0 | 123.0 |
| 192 | 19.3 | 15.3 | 22.9 |



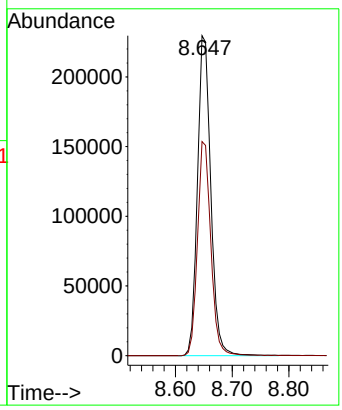


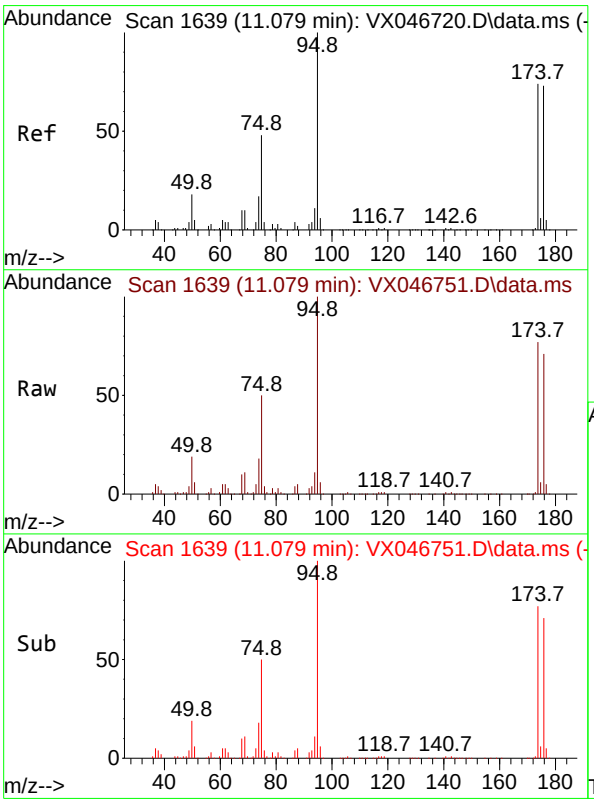

#50
Toluene-d8
Concen: 49.557 ug/l
RT: 8.647 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4

Tgt Ion: 98 Resp: 374699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

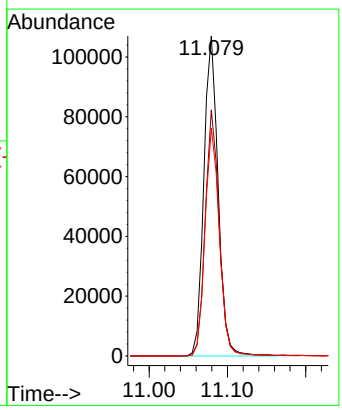


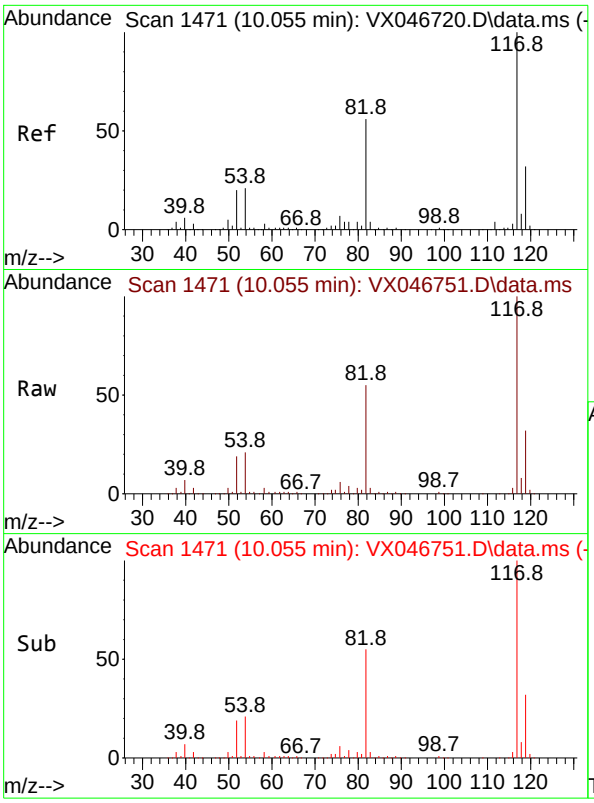




#62
4-Bromofluorobenzene
Concen: 48.000 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion: 95 Resp: 135286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 71.6 | 0.0 | 145.0 |



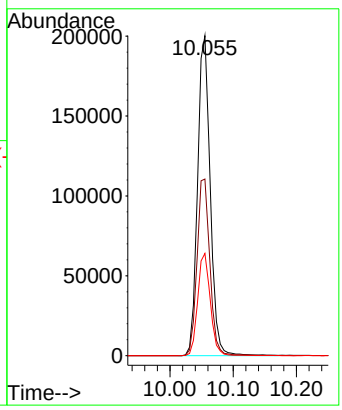


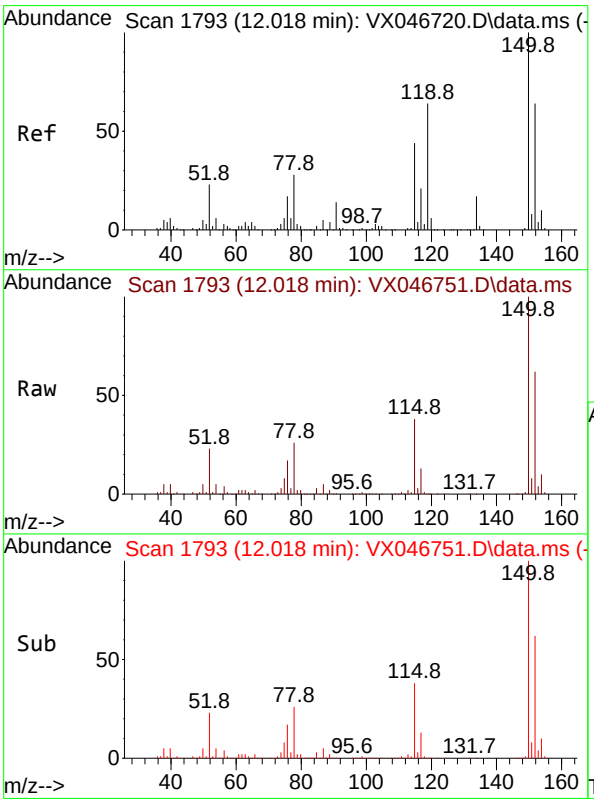

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-4

Tgt Ion:117 Resp: 278709

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.2 | 44.6 | 66.8 |
| 119 | 31.9 | 25.8 | 38.8 |

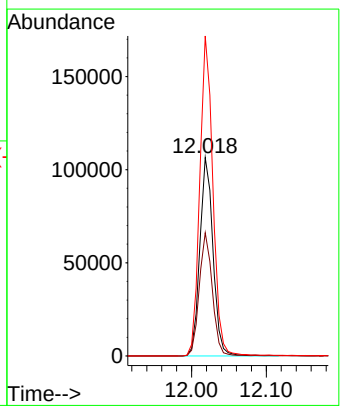



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX046751.D
Acq: 18 Jun 2025 18:16

Tgt Ion:152 Resp: 130790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.2 | 43.2 | 129.6 |
| 150 | 160.8 | 0.0 | 346.8 |



Raw Data: **VX046752.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-2 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046752.D | 1 | | 06/18/25 18:37 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 0.83 | U | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 0.66 | U | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.49 | J | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.46 | J | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |

Raw Data: **VX046752.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | MW-2 | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-07 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046752.D | 1 | | 06/18/25 18:37 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
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| 96-18-4 | 1,2,3-Trichloropropane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 0.83 | U | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.84 | U | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 46.5 | | 74 - 125 | 93% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.5 | | 75 - 124 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.0 | | 86 - 113 | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 47.9 | | 77 - 121 | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 214000 | 5.568 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 355000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 307000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 148000 | 12.018 | | | |

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046752.D
Acq On : 18 Jun 2025 18:37
Operator : JC/MD
Sample : Q2344-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Quant Time: Jun 19 01:28:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

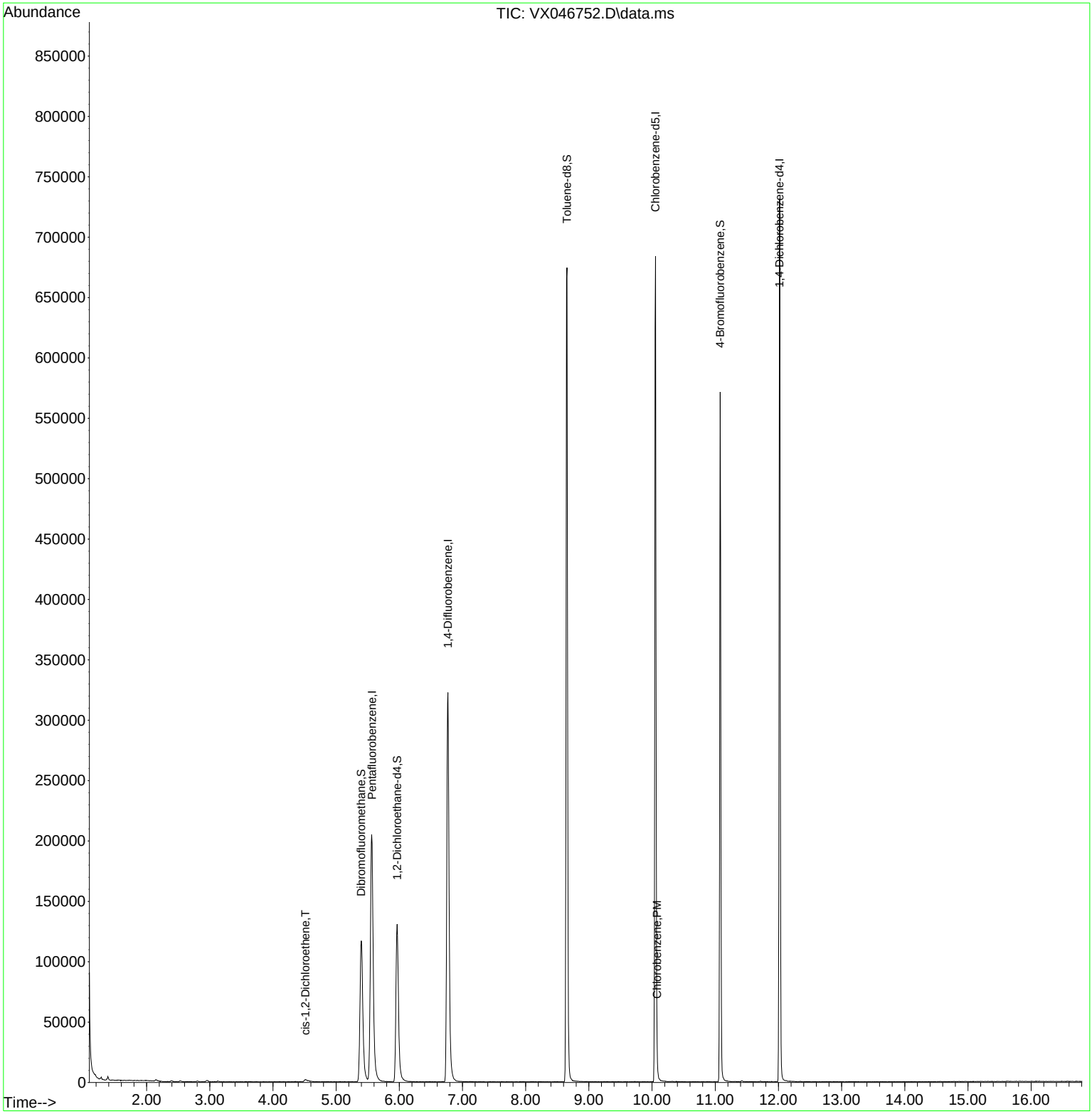
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 213961 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 355243 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 307080 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 148475 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 137712 | 46.533 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.060% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 114074 | 48.534 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.060% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 413878 | 49.012 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.020% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 150781 | 47.901 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 27) cis-1,2-Dichloroethene | 4.513 | 96 | 1468 | 0.494 | ug/l | 82 |
| 65) Chlorobenzene | 10.079 | 112 | 3095 | 0.457 | ug/l # | 86 |

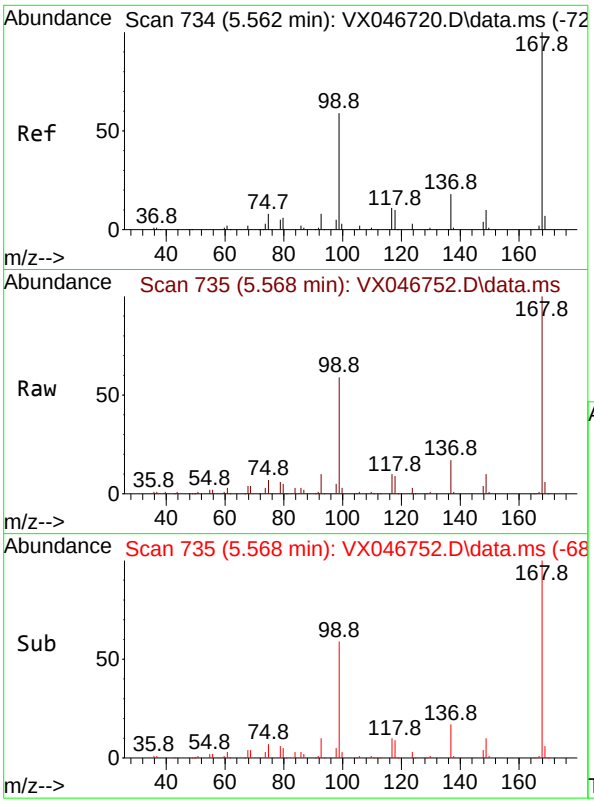
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046752.D
Acq On : 18 Jun 2025 18:37
Operator : JC/MD
Sample : Q2344-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Quant Time: Jun 19 01:28:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



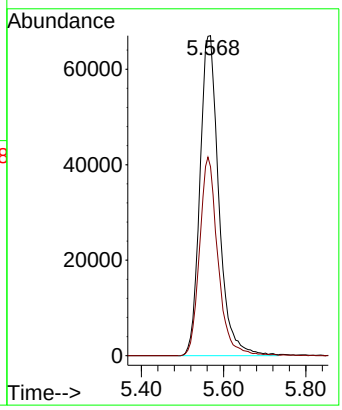


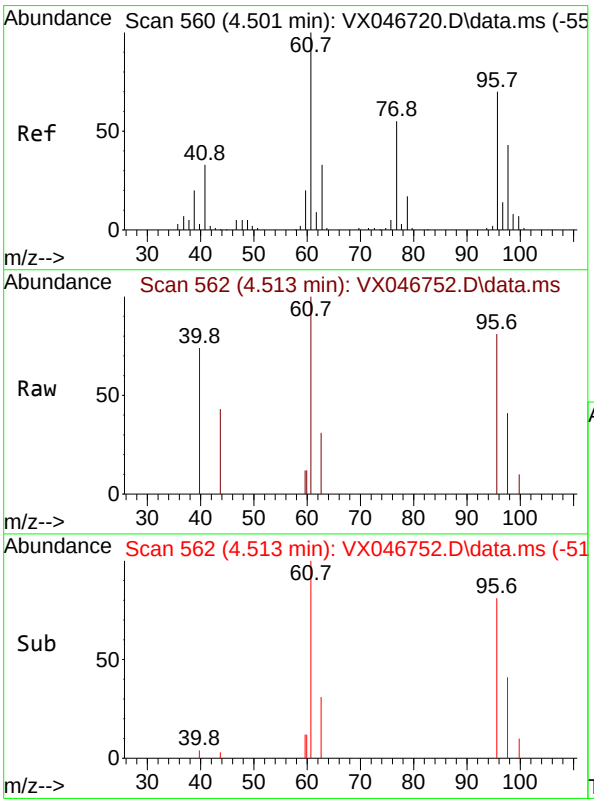

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Tgt Ion:168 Resp: 213961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.0 | 48.5 | 72.7 |

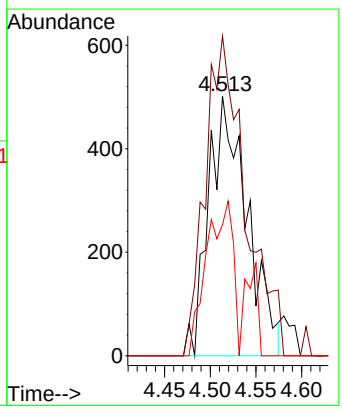


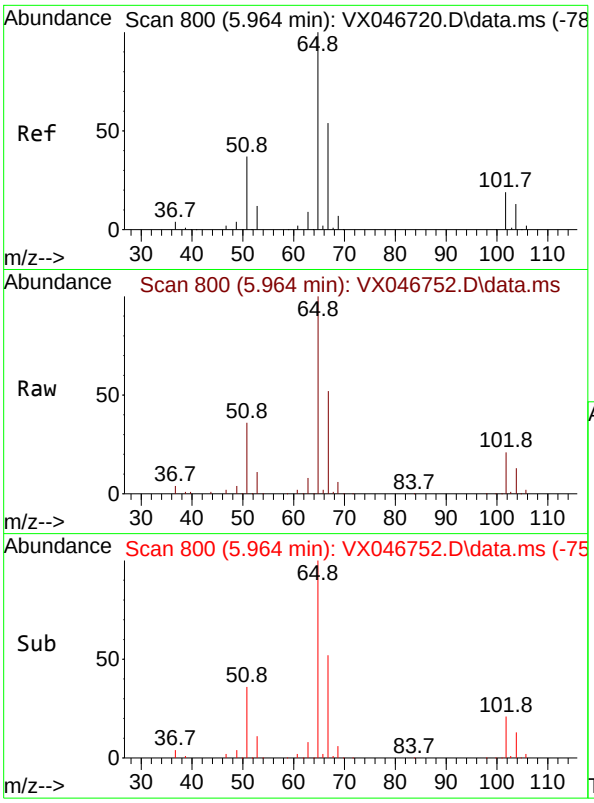




#27
cis-1,2-Dichloroethene
Concen: 0.494 ug/l
RT: 4.513 min Scan# 562
Delta R.T. 0.012 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 96 Resp: 1468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 128.5 | 0.0 | 291.0 |
| 98 | 40.8 | 0.0 | 126.8 |



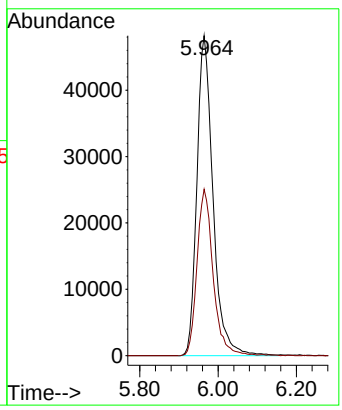


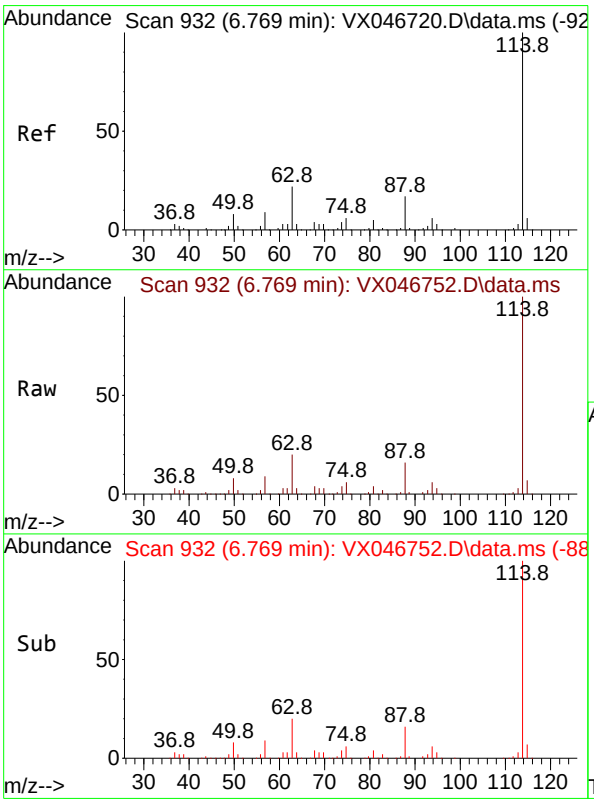

#33
1,2-Dichloroethane-d4
Concen: 46.533 ug/l
RT: 5.964 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Tgt Ion: 65 Resp: 137712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.1 | 0.0 | 105.4 |

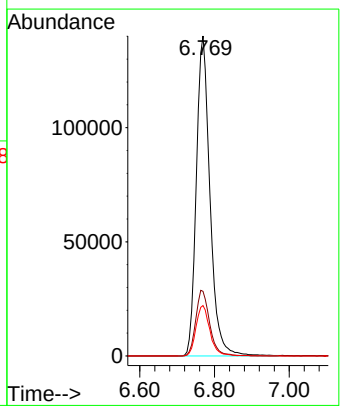


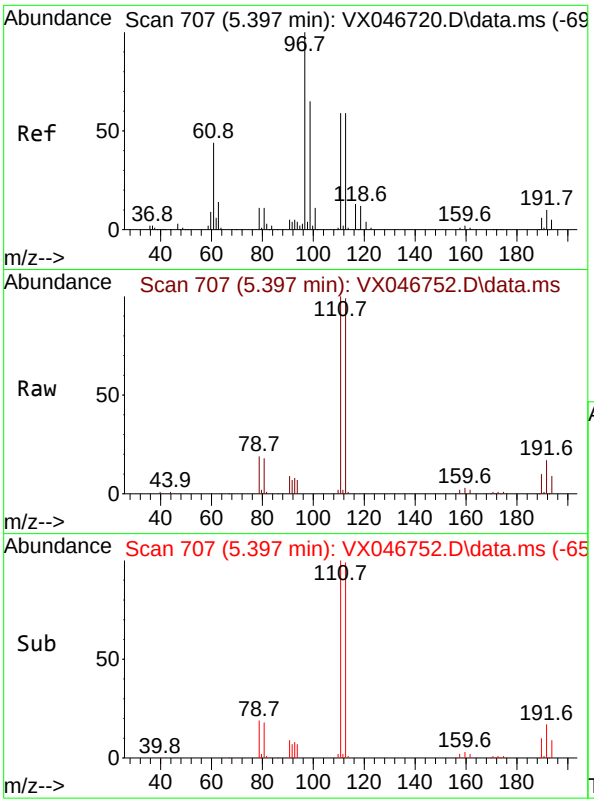




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion:114 Resp: 355243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.2 | 0.0 | 44.2 |
| 88 | 15.8 | 0.0 | 33.2 |



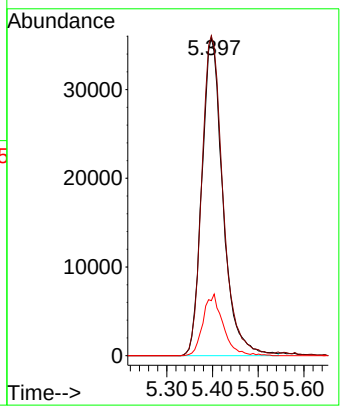


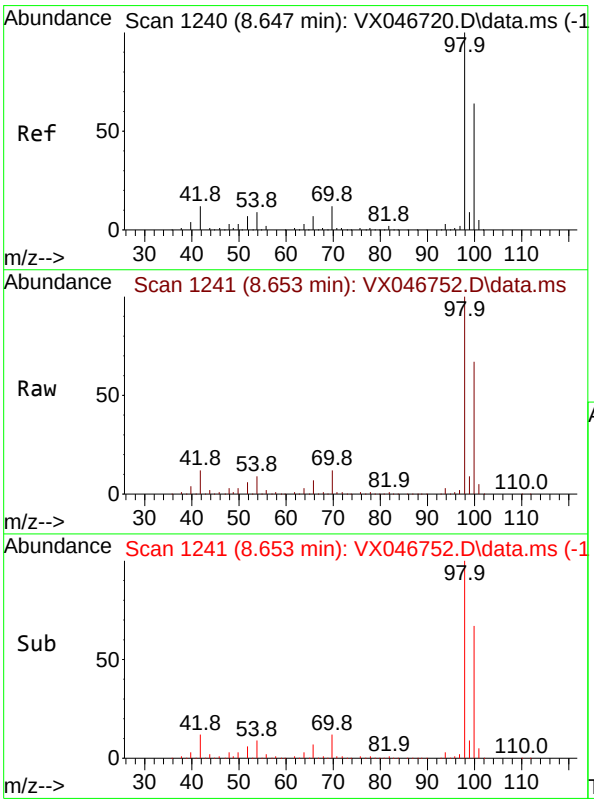

#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 5.397 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Tgt Ion:113 Resp: 114074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.8 | 82.0 | 123.0 |
| 192 | 18.3 | 15.3 | 22.9 |

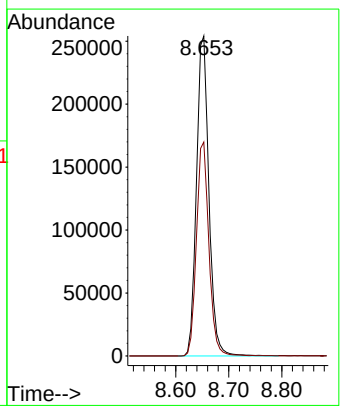


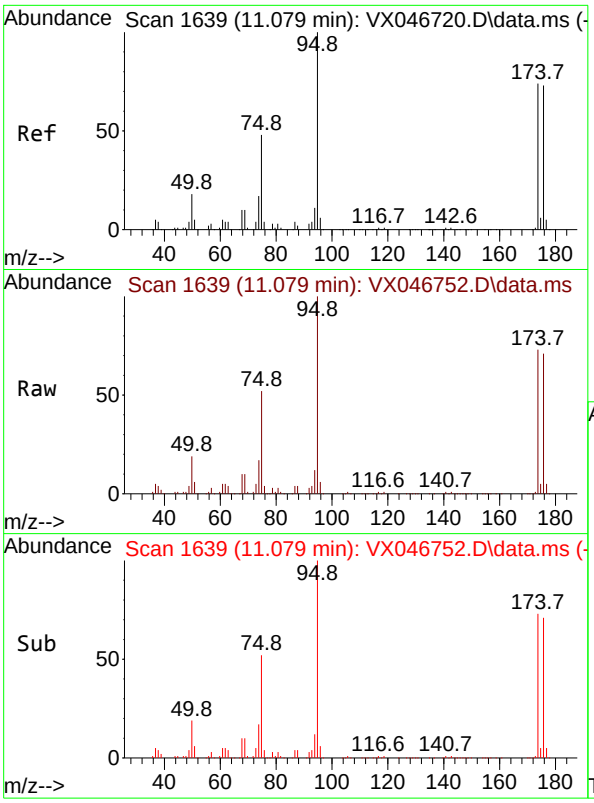




#50
Toluene-d8
Concen: 49.012 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion: 98 Resp: 413878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |



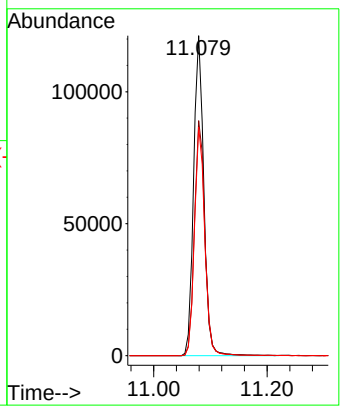


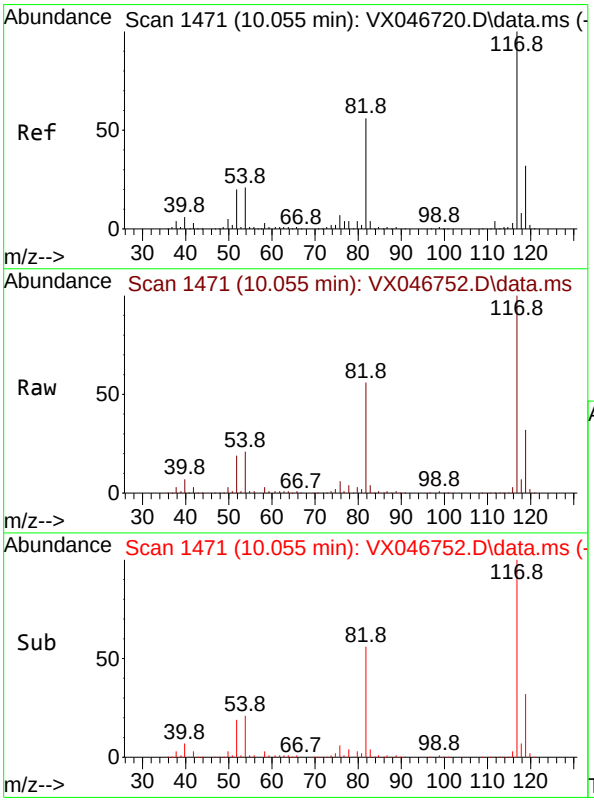

#62
4-Bromofluorobenzene
Concen: 47.901 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Tgt Ion: 95 Resp: 150781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.3 | 0.0 | 150.4 |
| 176 | 72.0 | 0.0 | 145.0 |

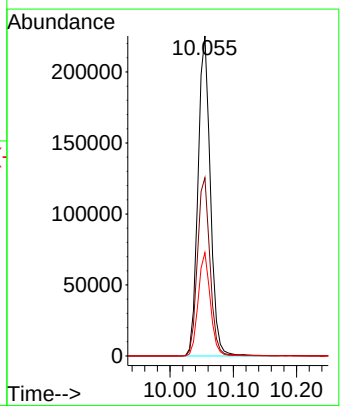


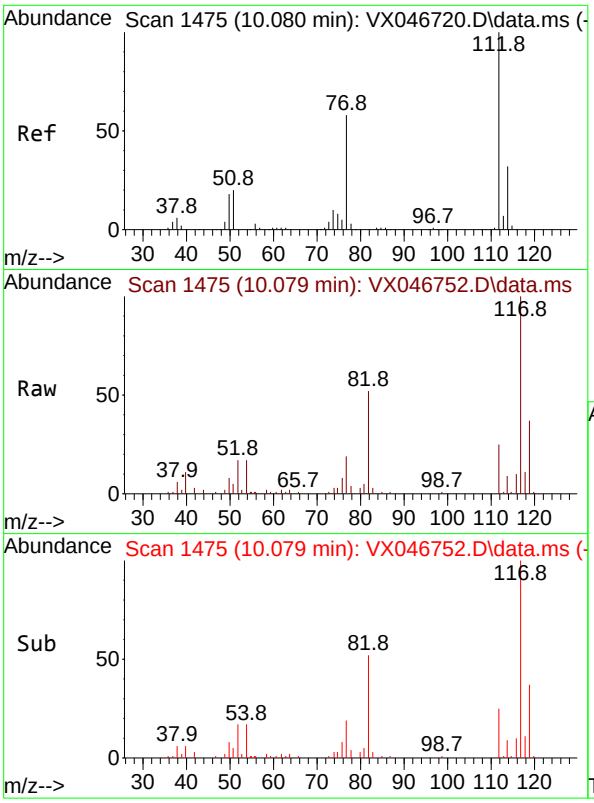




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion:117 Resp: 307080

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.7 | 44.6 | 66.8 |
| 119 | 32.3 | 25.8 | 38.8 |



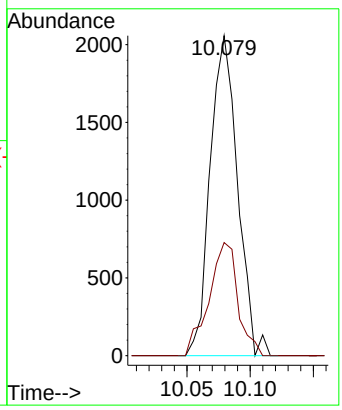


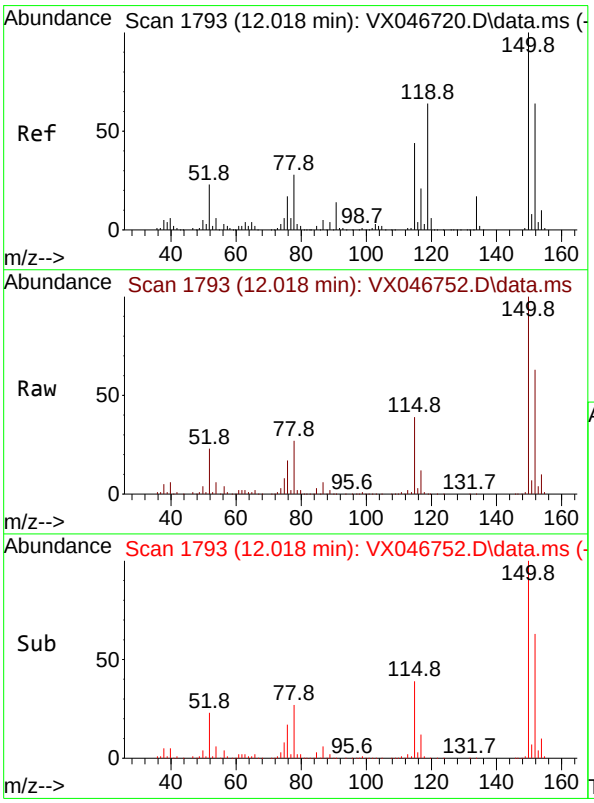

#65
Chlorobenzene
Concen: 0.457 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

**Instrument :**
MSVOA_X
**ClientSampleId :**
MW-2

Tgt Ion:112 Resp: 3095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 114 | 39.6 | 25.5 | 38.3# |

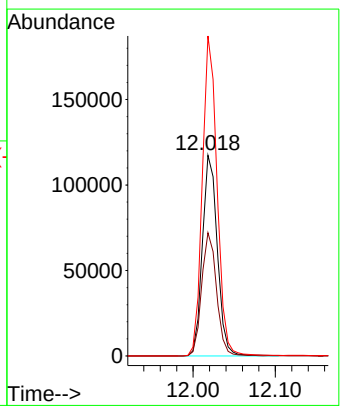



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046752.D
Acq: 18 Jun 2025 18:37

Tgt Ion:152 Resp: 148475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 43.2 | 129.6 |
| 150 | 157.2 | 0.0 | 346.8 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | TRIP-BLANK | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-09 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046748.D | 1 | | 06/18/25 17:12 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 0.83 | U | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 0.66 | U | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |

Raw Data: **VX046748.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | 06/16/25 |
| Project: | Ansonia Landfill 2025 | Date Received: | 06/17/25 |
| Client Sample ID: | TRIP-BLANK | SDG No.: | Q2344 |
| Lab Sample ID: | Q2344-09 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046748.D | 1 | | 06/18/25 17:12 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 0.83 | U | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.84 | U | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.9 | | 74 - 125 | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.6 | | 75 - 124 | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.7 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.5 | | 77 - 121 | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 128000 | 5.568 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 213000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 191000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 93500 | 12.018 | | | |

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

Sample Results: **VX046748.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046748.D
Acq On : 18 Jun 2025 17:12
Operator : JC/MD
Sample : Q2344-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TRIP-BLANK

Quant Time: Jun 19 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

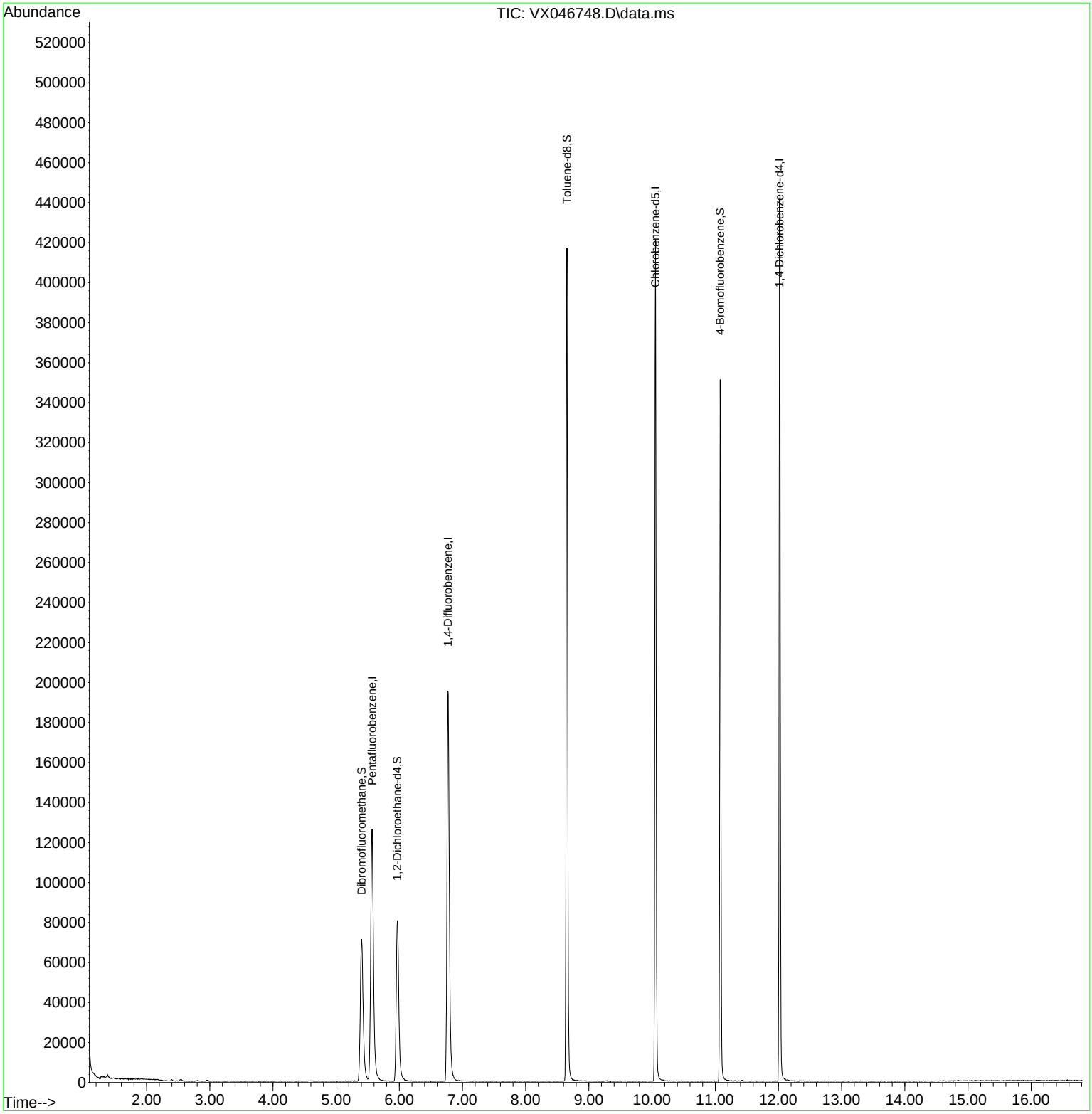
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.568 | 168 | 127995 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 213425 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 190681 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 93543 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 84884 | 47.946 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 95.900% | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 68660 | 48.623 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 97.240% | | |
| 50) Toluene-d8 | 8.653 | 98 | 252358 | 49.742 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 99.480% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 93659 | 49.525 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 99.040% | | |
| Target Compounds | | | | | | Qvalue |

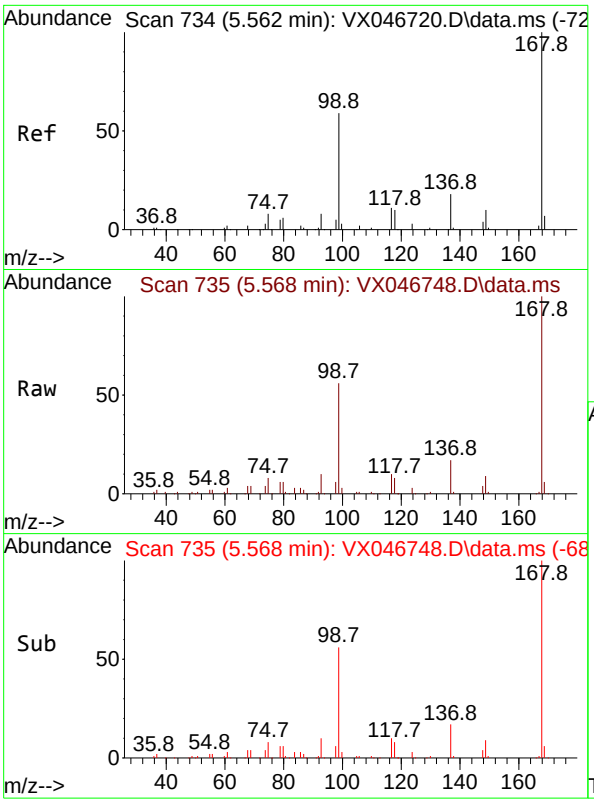
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046748.D
Acq On : 18 Jun 2025 17:12
Operator : JC/MD
Sample : Q2344-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TRIP-BLANK

Quant Time: Jun 19 01:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



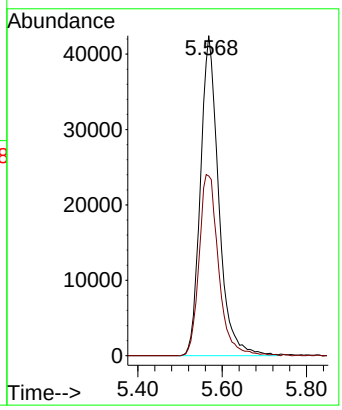


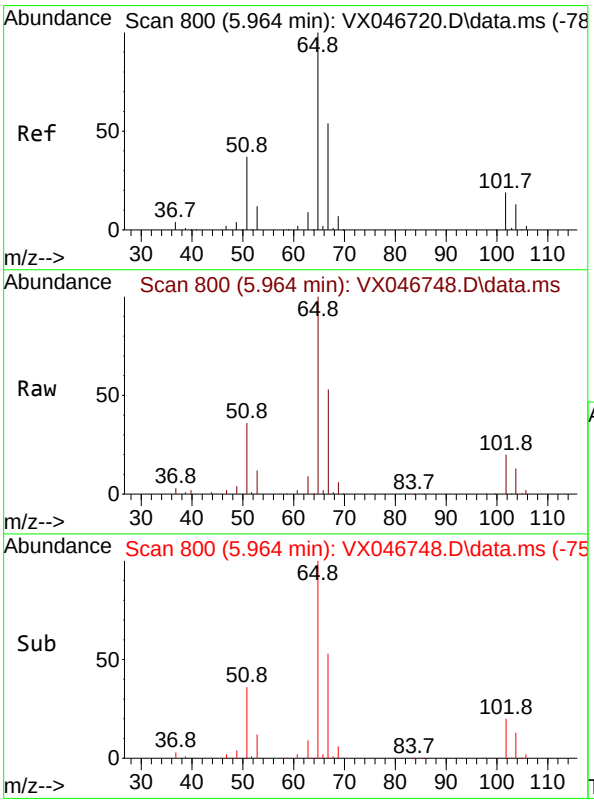

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TRIP-BLANK

Tgt Ion:168 Resp: 127995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 56.1 | 48.5 | 72.7 |

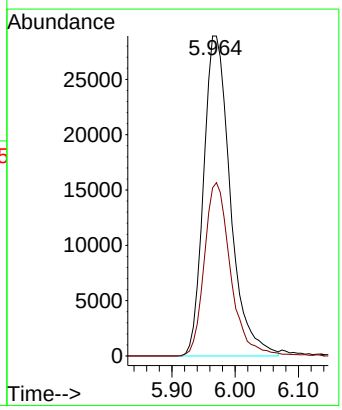


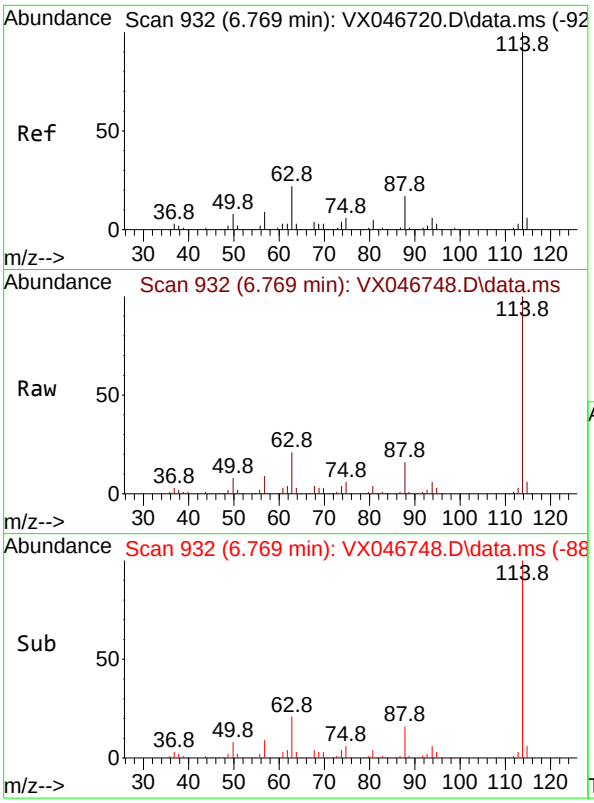




#33
1,2-Dichloroethane-d4
Concen: 47.946 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

Tgt Ion: 65 Resp: 84884

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 53.4 | 0.0 | 105.4 |



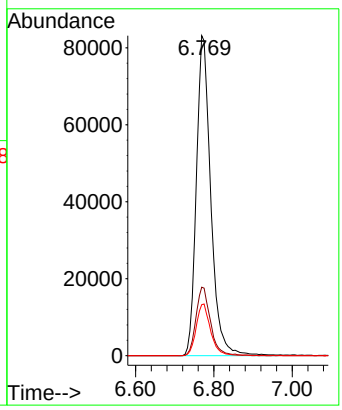


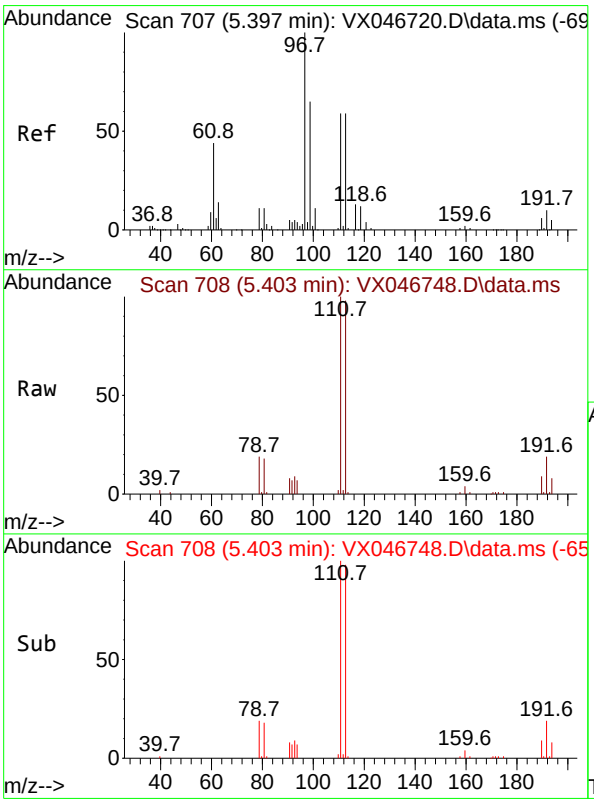

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TRIP-BLANK

Tgt Ion:114 Resp: 213425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.4 | 0.0 | 44.2 |
| 88 | 16.0 | 0.0 | 33.2 |

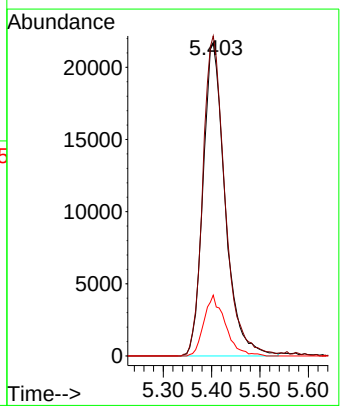


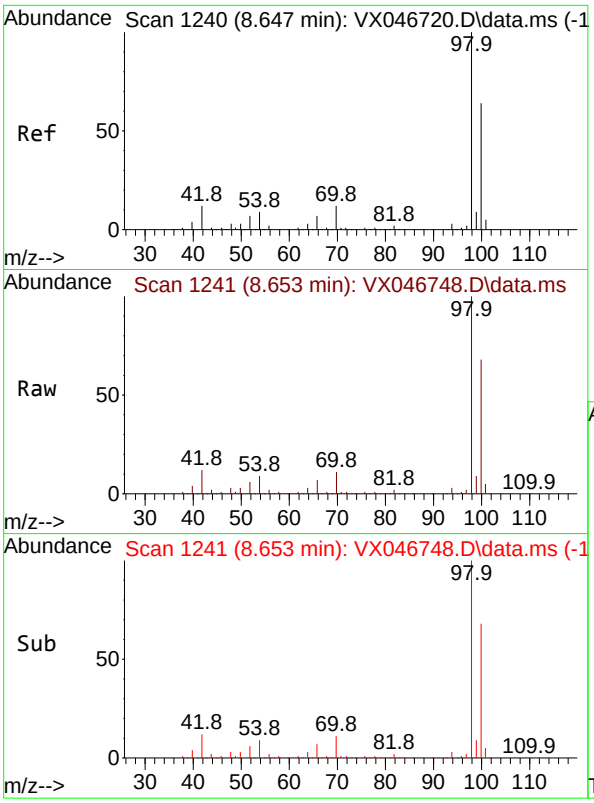




#35
Dibromofluoromethane
Concen: 48.623 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

Tgt Ion:113 Resp: 68660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.7 | 82.0 | 123.0 |
| 192 | 18.8 | 15.3 | 22.9 |



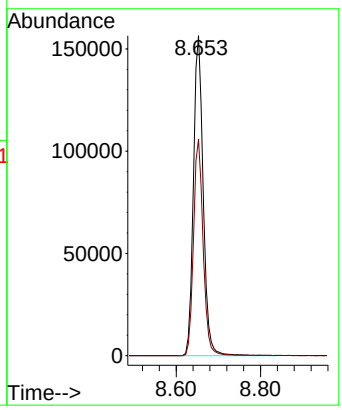


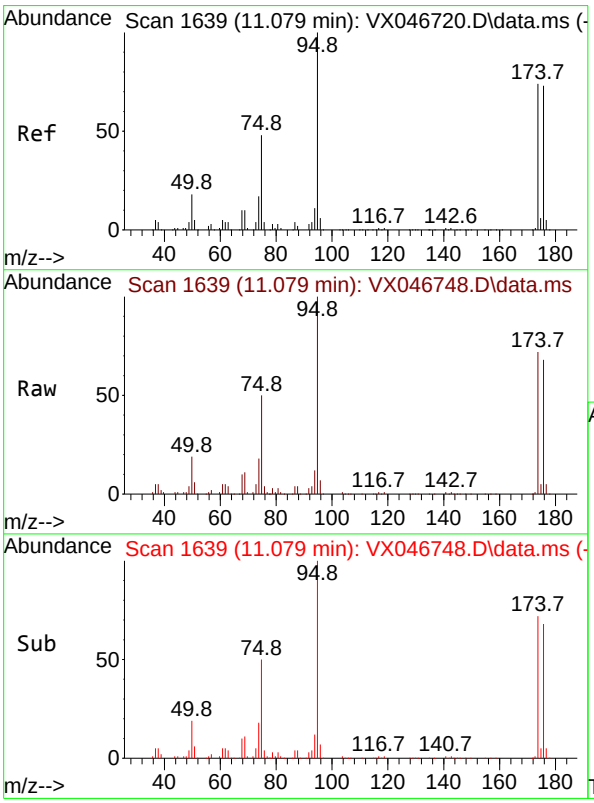

#50
Toluene-d8
Concen: 49.742 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TRIP-BLANK

Tgt Ion: 98 Resp: 252358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.8 | 53.0 | 79.4 |

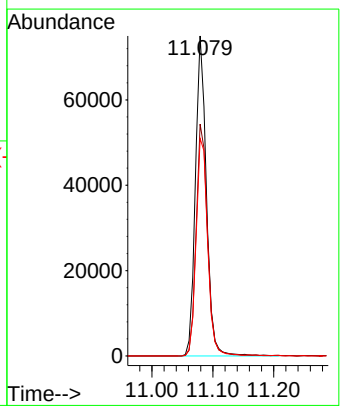


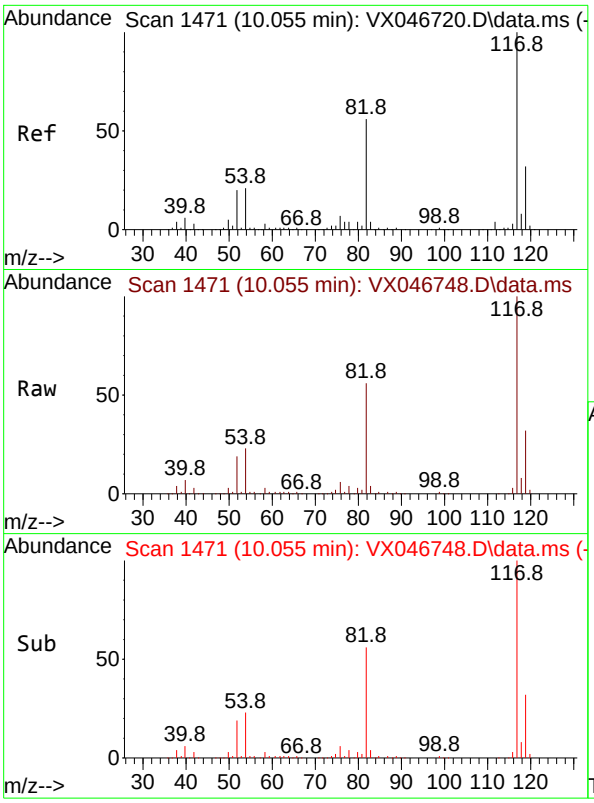




#62
4-Bromofluorobenzene
Concen: 49.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

Tgt Ion: 95 Resp: 93659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 74.8 | 0.0 | 150.4 |
| 176 | 71.4 | 0.0 | 145.0 |



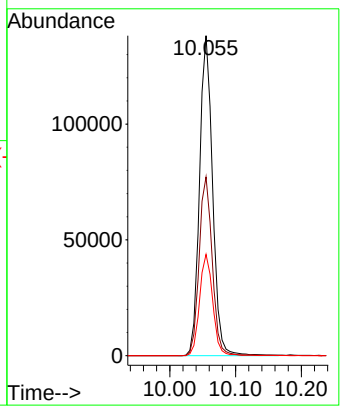


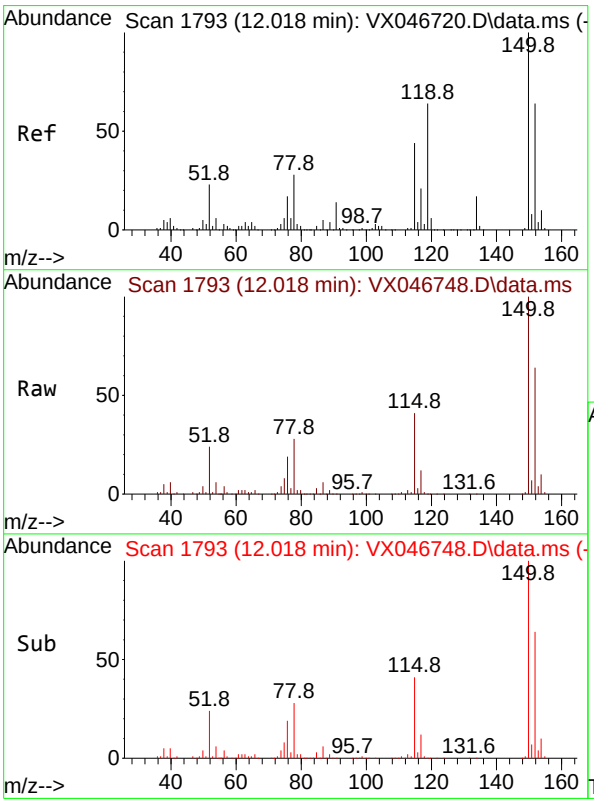

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

**Instrument :**
MSVOA_X
**ClientSampleId :**
TRIP-BLANK

Tgt Ion:117 Resp: 190681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.9 | 44.6 | 66.8 |
| 119 | 31.6 | 25.8 | 38.8 |

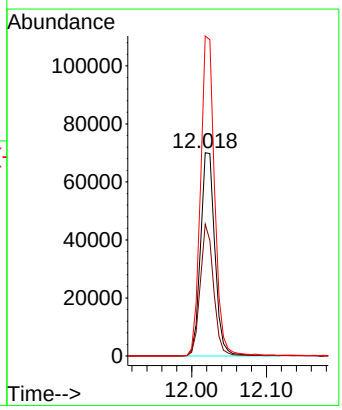



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046748.D
Acq: 18 Jun 2025 17:12

Tgt Ion:152 Resp: 93543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.4 | 43.2 | 129.6 |
| 150 | 155.6 | 0.0 | 346.8 |



# CALIBRATION SUMMARY

Raw Data

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

| COMPOUND | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Vinyl Chloride | 0.569 | 0.632 | 0.634 | 0.687 | 0.644 | 0.521 | 0.614 | 9.7 |
| Chloroethane | 0.350 | 0.388 | 0.377 | 0.405 | 0.381 | 0.332 | 0.372 | 7.1 |
| Trichlorofluoromethane | 0.897 | 0.974 | 0.967 | 1.030 | 0.972 | 0.757 | 0.933 | 10.3 |
| 1,1-Dichloroethene | 0.527 | 0.574 | 0.569 | 0.609 | 0.583 | 0.451 | 0.552 | 10.2 |
| Acrylonitrile | 0.270 | 0.287 | 0.285 | 0.312 | 0.295 | 0.226 | 0.279 | 10.6 |
| Acetone | 0.219 | 0.222 | 0.220 | 0.238 | 0.234 | 0.251 | 0.231 | 5.6 |
| Carbon Disulfide | 1.503 | 1.644 | 1.599 | 1.735 | 1.656 | 1.869 | 1.668 | 7.5 |
| Methylene Chloride | 0.655 | 0.655 | 0.610 | 0.666 | 0.624 | 0.637 | 0.641 | 3.3 |
| Vinyl Acetate | 1.423 | 1.608 | 1.596 | 1.747 | 1.664 | 1.138 | 1.529 | 14.3 |
| 2-Butanone | 0.319 | 0.325 | 0.338 | 0.371 | 0.353 | 0.251 | 0.326 | 12.7 |
| Carbon Tetrachloride | 0.509 | 0.537 | 0.515 | 0.548 | 0.531 | 0.470 | 0.518 | 5.4 |
| cis-1,2-Dichloroethene | 0.681 | 0.731 | 0.686 | 0.741 | 0.704 | 0.623 | 0.694 | 6.1 |
| Bromochloromethane | 0.527 | 0.459 | 0.485 | 0.519 | 0.500 | 0.480 | 0.495 | 5.2 |
| Chloroform | 1.102 | 1.190 | 1.114 | 1.181 | 1.109 | 0.857 | 1.092 | 11.1 |
| 1,1,1-Trichloroethane | 0.931 | 1.012 | 0.956 | 1.046 | 0.990 | 0.812 | 0.958 | 8.6 |
| Benzene | 1.431 | 1.477 | 1.417 | 1.509 | 1.427 | 1.218 | 1.413 | 7.2 |
| 1,2-Dichloropropane | 0.347 | 0.372 | 0.346 | 0.374 | 0.357 | 0.305 | 0.350 | 7.2 |
| Dibromomethane | 0.243 | 0.260 | 0.251 | 0.270 | 0.259 | 0.228 | 0.252 | 5.9 |
| Bromodichloromethane | 0.510 | 0.545 | 0.522 | 0.562 | 0.540 | 0.404 | 0.514 | 11.1 |
| 4-Methyl-2-Pentanone | 0.408 | 0.414 | 0.426 | 0.460 | 0.439 | 0.322 | 0.411 | 11.6 |
| Toluene | 0.884 | 0.927 | 0.888 | 0.927 | 0.881 | 0.750 | 0.876 | 7.4 |
| t-1,3-Dichloropropene | 0.438 | 0.484 | 0.488 | 0.555 | 0.540 | 0.355 | 0.477 | 15.3 |
| cis-1,3-Dichloropropene | 0.516 | 0.555 | 0.548 | 0.603 | 0.589 | 0.436 | 0.541 | 11.1 |
| 2-Hexanone | 0.285 | 0.285 | 0.297 | 0.320 | 0.305 | 0.214 | 0.284 | 13 |
| Dibromochloromethane | 0.380 | 0.402 | 0.388 | 0.419 | 0.402 | 0.318 | 0.385 | 9.3 |
| 1,2-Dibromoethane | 0.333 | 0.348 | 0.335 | 0.363 | 0.346 | 0.267 | 0.332 | 10.1 |
| Tetrachloroethene | 0.345 | 0.353 | 0.340 | 0.360 | 0.339 | 0.341 | 0.346 | 2.4 |
| Chlorobenzene | 1.114 | 1.148 | 1.091 | 1.165 | 1.100 | 1.005 | 1.104 | 5.1 |
| 1,1,1,2-Tetrachloroethane | 0.358 | 0.398 | 0.373 | 0.408 | 0.386 | 0.302 | 0.371 | 10.2 |
| Ethyl Benzene | 1.905 | 2.030 | 1.933 | 2.062 | 1.945 | 1.696 | 1.929 | 6.7 |

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

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID: RRF005 = VX046718.D RRF020 = VX046719.D RRF050 = VX046720.D
RRF100 = VX046721.D RRF150 = VX046722.D RRF001 = VX046725.D

| COMPOUND | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| m/p-Xylenes | 0.705 | 0.764 | 0.724 | 0.765 | 0.718 | 0.635 | 0.719 | 6.7 |
| o-Xylene | 0.686 | 0.729 | 0.692 | 0.739 | 0.698 | 0.498 | 0.673 | 13.1 |
| Styrene | 1.144 | 1.256 | 1.208 | 1.267 | 1.203 | 0.993 | 1.179 | 8.6 |
| Bromoform | 0.268 | 0.295 | 0.287 | 0.315 | 0.304 | 0.226 | 0.282 | 11.3 |
| 1,1,2,2-Tetrachloroethane | 1.037 | 1.075 | 1.044 | 1.124 | 1.074 | 0.816 | 1.028 | 10.6 |
| 1,2,3-Trichloropropane | 0.959 | 1.066 | 0.990 | 0.938 | 0.892 | 0.650 | 0.916 | 15.6 |
| 1,4-Dichlorobenzene | 1.743 | 1.830 | 1.653 | 1.789 | 1.702 | 1.932 | 1.775 | 5.6 |
| 1,2-Dichlorobenzene | 1.604 | 1.701 | 1.592 | 1.703 | 1.628 | 1.460 | 1.615 | 5.5 |
| 1,2-Dibromo-3-Chloropropane | 0.196 | 0.205 | 0.211 | 0.235 | 0.237 | 0.134 | 0.203 | 18.6 |
| 1,2-Dichloroethane-d4 | 0.801 | 0.567 | 0.649 | 0.726 | 0.714 | | 0.692 | 12.7 |
| Dibromofluoromethane | 0.362 | 0.267 | 0.320 | 0.354 | 0.351 | | 0.331 | 11.9 |
| Toluene-d8 | 1.342 | 0.973 | 1.144 | 1.250 | 1.234 | | 1.189 | 11.7 |
| 4-Bromofluorobenzene | 0.513 | 0.354 | 0.426 | 0.466 | 0.456 | | 0.443 | 13.3 |
| Methyl Iodide | 0.447 | 0.566 | 0.654 | 0.788 | 0.752 | | 0.642 | 21.7 |
| trans-1,4-Dichloro-2-butene | 0.264 | 0.297 | 0.311 | 0.367 | 0.381 | | 0.324 | 15.1 |

* 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.

# Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025
Response Via : Initial Calibration

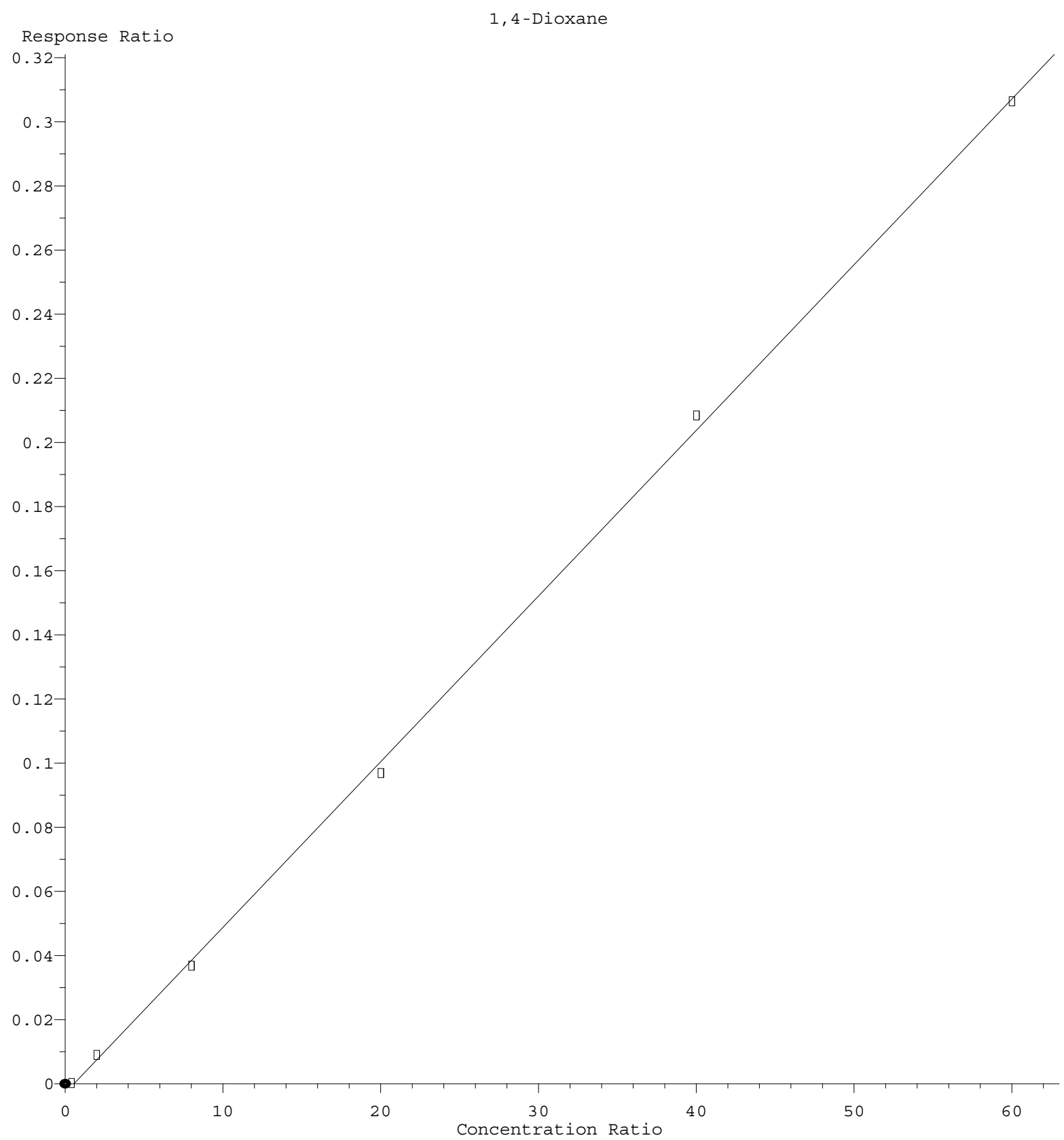
Calibration Files
1 =VX046725.D 5 =VX046718.D 20 =VX046719.D 50 =VX046720.D 100 =VX046721.D 150 =VX046722.D

| | | Compound | 1 | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | | |
| 2) | T | Dichlorodifluo... | 0.425 | 0.464 | 0.507 | 0.583 | 0.627 | 0.598 | 0.534 | 15.13 |
| 3) | P | Chloromethane | 0.485 | 0.541 | 0.570 | 0.593 | 0.641 | 0.627 | 0.576 | 9.97 |
| 4) | C | Vinyl Chloride | 0.521 | 0.569 | 0.632 | 0.634 | 0.687 | 0.644 | 0.614 | 9.68# |
| 5) | T | Bromomethane | | 0.371 | 0.367 | 0.369 | 0.341 | 0.280 | 0.346 | 11.13 |
| 6) | T | Chloroethane | 0.332 | 0.350 | 0.388 | 0.377 | 0.405 | 0.381 | 0.372 | 7.12 |
| 7) | T | Trichlorofluor... | 0.757 | 0.897 | 0.974 | 0.967 | 1.030 | 0.972 | 0.933 | 10.30 |
| 8) | T | Diethyl Ether | 0.265 | 0.309 | 0.337 | 0.322 | 0.352 | 0.336 | 0.320 | 9.58 |
| 9) | T | 1,1,2-Trichlor... | 0.470 | 0.563 | 0.608 | 0.576 | 0.623 | 0.594 | 0.572 | 9.55 |
| 10) | T | Methyl Iodide | | 0.447 | 0.566 | 0.654 | 0.788 | 0.752 | 0.642 | 21.71 |
| 11) | T | Tert butyl alc... | | 0.048 | 0.061 | 0.062 | 0.071 | 0.069 | 0.062 | 14.45 |
| 12) | CM | 1,1-Dichloroet... | 0.451 | 0.527 | 0.574 | 0.569 | 0.609 | 0.583 | 0.552 | 10.21# |
| 13) | T | Acrolein | | 0.095 | 0.074 | 0.087 | 0.098 | 0.097 | 0.090 | 11.04 |
| 14) | T | Allyl chloride | 0.876 | 0.934 | 1.042 | 0.999 | 1.102 | 1.051 | 1.001 | 8.30 |
| 15) | T | Acrylonitrile | 0.226 | 0.270 | 0.287 | 0.285 | 0.312 | 0.295 | 0.279 | 10.61 |
| 16) | T | Acetone | 0.251 | 0.219 | 0.222 | 0.220 | 0.238 | 0.234 | 0.231 | 5.60 |
| 17) | T | Carbon Disulfide | 1.869 | 1.503 | 1.644 | 1.599 | 1.735 | 1.656 | 1.668 | 7.46 |
| 18) | T | Methyl Acetate | 0.470 | 0.577 | 0.590 | 0.581 | 0.650 | 0.647 | 0.586 | 11.17 |
| 19) | T | Methyl tert-bu... | 1.427 | 1.628 | 1.803 | 1.752 | 1.898 | 1.808 | 1.720 | 9.79 |
| 20) | T | Methylene Chlo... | 0.637 | 0.655 | 0.655 | 0.610 | 0.666 | 0.624 | 0.641 | 3.32 |
| 21) | T | trans-1,2-Dich... | 0.529 | 0.569 | 0.627 | 0.589 | 0.637 | 0.595 | 0.591 | 6.68 |
| 22) | T | Diisopropyl ether | 1.531 | 1.883 | 2.073 | 1.967 | 2.113 | 1.973 | 1.923 | 10.87 |
| 23) | T | Vinyl Acetate | 1.138 | 1.423 | 1.608 | 1.596 | 1.747 | 1.664 | 1.529 | 14.33 |
| 24) | P | 1,1-Dichloroet... | 0.972 | 1.054 | 1.153 | 1.088 | 1.170 | 1.114 | 1.092 | 6.63 |
| 25) | T | 2-Butanone | 0.251 | 0.319 | 0.325 | 0.338 | 0.371 | 0.353 | 0.326 | 12.66 |
| 26) | T | 2,2-Dichloropr... | 0.688 | 0.768 | 0.798 | 0.761 | 0.878 | 0.886 | 0.796 | 9.49 |
| 27) | T | cis-1,2-Dichlo... | 0.623 | 0.681 | 0.731 | 0.686 | 0.741 | 0.704 | 0.694 | 6.06 |
| 28) | T | Bromochloromet... | 0.480 | 0.527 | 0.459 | 0.485 | 0.519 | 0.500 | 0.495 | 5.18 |
| 29) | T | Tetrahydrofuran | 0.162 | 0.205 | 0.211 | 0.216 | 0.240 | 0.229 | 0.211 | 12.74 |
| 30) | C | Chloroform | 0.857 | 1.102 | 1.190 | 1.114 | 1.181 | 1.109 | 1.092 | 11.08# |
| 31) | T | Cyclohexane | | 0.983 | 1.086 | 1.013 | 1.074 | 1.021 | 1.036 | 4.20 |
| 32) | T | 1,1,1-Trichlor... | 0.812 | 0.931 | 1.012 | 0.956 | 1.046 | 0.990 | 0.958 | 8.58 |
| 33) | S | 1,2-Dichloroet... | | 0.801 | 0.567 | 0.649 | 0.726 | 0.714 | 0.692 | 12.70 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | | |
| 35) | S | Dibromofluorom... | | 0.362 | 0.267 | 0.320 | 0.354 | 0.351 | 0.331 | 11.89 |
| 36) | T | 1,1-Dichloropr... | 0.446 | 0.477 | 0.486 | 0.477 | 0.500 | 0.480 | 0.478 | 3.73 |
| 37) | T | Ethyl Acetate | 0.443 | 0.404 | 0.440 | 0.431 | 0.468 | 0.459 | 0.441 | 5.11 |
| 38) | T | Carbon Tetrach... | 0.470 | 0.509 | 0.537 | 0.515 | 0.548 | 0.531 | 0.518 | 5.37 |
| 39) | T | Methylcyclohexane | 0.550 | 0.631 | 0.642 | 0.629 | 0.672 | 0.647 | 0.628 | 6.61 |
| 40) | TM | Benzene | 1.218 | 1.431 | 1.477 | 1.417 | 1.509 | 1.427 | 1.413 | 7.22 |
| 41) | T | Methacrylonitrile | 0.190 | 0.207 | 0.242 | 0.239 | 0.267 | 0.266 | 0.235 | 13.31 |
| 42) | TM | 1,2-Dichloroet... | 0.429 | 0.508 | 0.523 | 0.495 | 0.528 | 0.497 | 0.497 | 7.23 |
| 43) | T | Isopropyl Acetate | 0.491 | 0.678 | 0.689 | 0.716 | 0.795 | 0.770 | 0.690 | 15.63 |
| 44) | TM | Trichloroethene | 0.320 | 0.355 | 0.374 | 0.356 | 0.389 | 0.366 | 0.360 | 6.47 |
| 45) | C | 1,2-Dichloropr... | 0.305 | 0.347 | 0.372 | 0.346 | 0.374 | 0.357 | 0.350 | 7.18# |
| 46) | T | Dibromomethane | 0.228 | 0.243 | 0.260 | 0.251 | 0.270 | 0.259 | 0.252 | 5.92 |
| 47) | T | Bromodichlorom... | 0.404 | 0.510 | 0.545 | 0.522 | 0.562 | 0.540 | 0.514 | 11.07 |
| 48) | T | Methyl methacr... | 0.232 | 0.316 | 0.352 | 0.370 | 0.409 | 0.396 | 0.346 | 18.71 |
| 49) | T | 1,4-Dioxane | 0.001 | 0.004 | 0.005 | 0.005 | 0.005 | 0.005 | 0.004 | 42.21 |
| 50) | S | Toluene-d8 | | 1.342 | 0.973 | 1.144 | 1.250 | 1.234 | 1.189 | 11.72 |
| 51) | T | 4-Methyl-2-Pen... | 0.322 | 0.408 | 0.414 | 0.426 | 0.460 | 0.439 | 0.411 | 11.62 |
| 52) | CM | Toluene | 0.750 | 0.884 | 0.927 | 0.888 | 0.927 | 0.881 | 0.876 | 7.43# |
| 53) | T | t-1,3-Dichloro... | 0.355 | 0.438 | 0.484 | 0.488 | 0.555 | 0.540 | 0.477 | 15.29 |
| 54) | T | cis-1,3-Dichlo... | 0.436 | 0.516 | 0.555 | 0.548 | 0.603 | 0.589 | 0.541 | 11.13 |
| 55) | T | 1,1,2-Trichlor... | 0.287 | 0.330 | 0.341 | 0.326 | 0.347 | 0.329 | 0.327 | 6.43 |
| 56) | T | Ethyl methacry... | 0.327 | 0.465 | 0.493 | 0.507 | 0.560 | 0.540 | 0.482 | 17.24 |

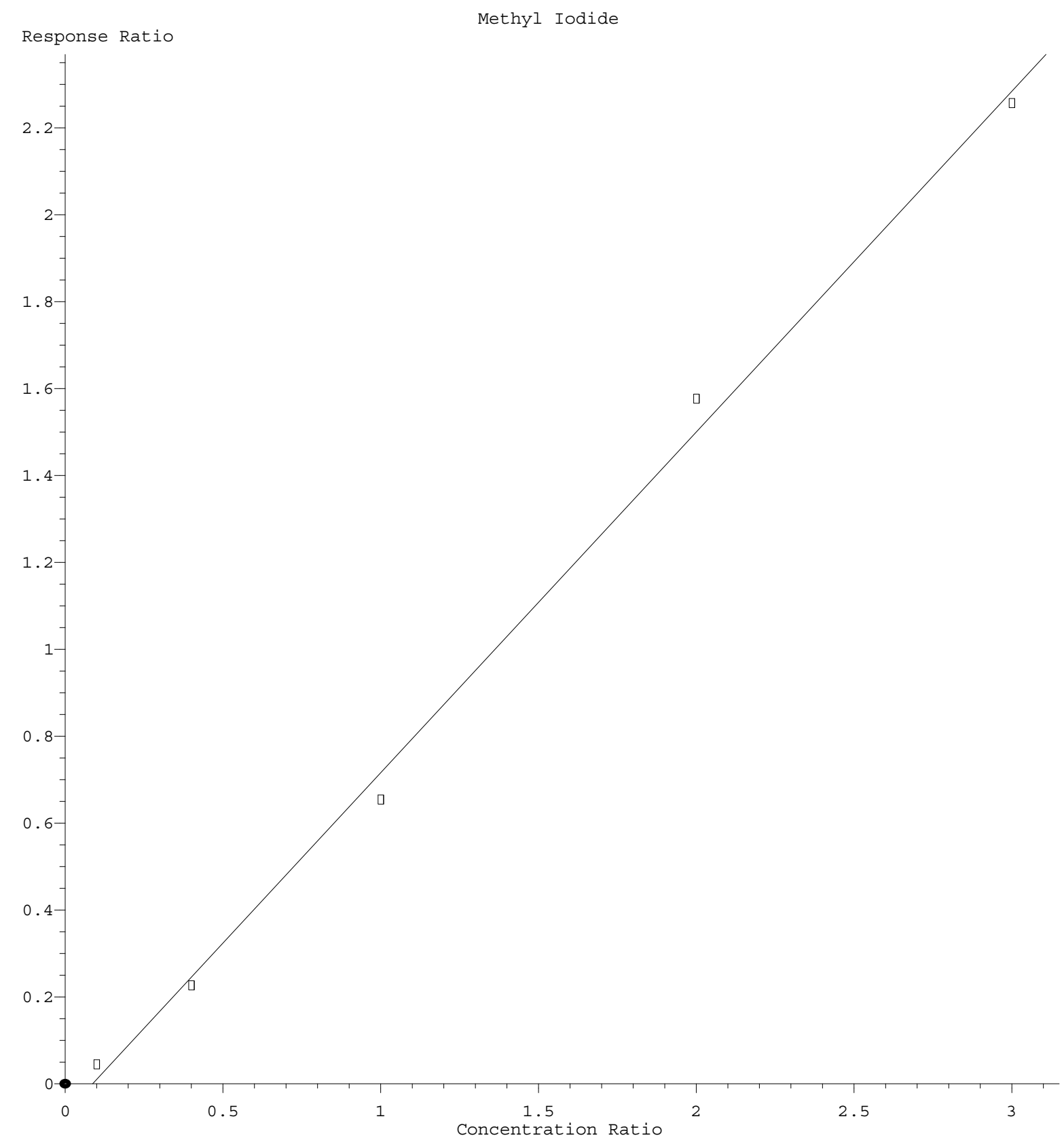
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropr... | 0.497 | 0.575 | 0.576 | 0.562 | 0.600 | 0.563 | 0.562 | 6.16 |
| 58) | T | 2-Chloroethyl ... | 0.167 | 0.241 | 0.235 | 0.281 | 0.296 | 0.282 | 0.250 | 18.96 |
| 59) | T | 2-Hexanone | 0.214 | 0.285 | 0.285 | 0.297 | 0.320 | 0.305 | 0.284 | 13.04 |
| 60) | T | Dibromochlorom... | 0.318 | 0.380 | 0.402 | 0.388 | 0.419 | 0.402 | 0.385 | 9.25 |
| 61) | T | 1,2-Dibromoethane | 0.267 | 0.333 | 0.348 | 0.335 | 0.363 | 0.346 | 0.332 | 10.10 |
| 62) | S | 4-Bromofluorob... | | 0.513 | 0.354 | 0.426 | 0.466 | 0.456 | 0.443 | 13.28 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | | |
| 64) | T | Tetrachloroethene | 0.341 | 0.345 | 0.353 | 0.340 | 0.360 | 0.339 | 0.346 | 2.43 |
| 65) | PM | Chlorobenzene | 1.005 | 1.114 | 1.148 | 1.091 | 1.165 | 1.100 | 1.104 | 5.09 |
| 66) | T | 1,1,1,2-Tetrac... | 0.302 | 0.358 | 0.398 | 0.373 | 0.408 | 0.386 | 0.371 | 10.22 |
| 67) | C | Ethyl Benzene | 1.696 | 1.905 | 2.030 | 1.933 | 2.062 | 1.945 | 1.929 | 6.68# |
| 68) | T | m/p-Xylenes | 0.635 | 0.705 | 0.764 | 0.724 | 0.765 | 0.718 | 0.719 | 6.68 |
| 69) | T | o-Xylene | 0.498 | 0.686 | 0.729 | 0.692 | 0.739 | 0.698 | 0.673 | 13.15 |
| 70) | T | Styrene | 0.993 | 1.144 | 1.256 | 1.208 | 1.267 | 1.203 | 1.179 | 8.57 |
| 71) | P | Bromoform | 0.226 | 0.268 | 0.295 | 0.287 | 0.315 | 0.304 | 0.282 | 11.35 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | |
| 73) | T | Isopropylbenzene | 3.048 | 3.593 | 3.914 | 3.723 | 4.004 | 3.814 | 3.682 | 9.31 |
| 74) | T | N-amyl acetate | 0.927 | 1.237 | 1.455 | 1.467 | 1.660 | 1.625 | 1.395 | 19.64 |
| 75) | P | 1,1,2,2-Tetrac... | 0.816 | 1.037 | 1.075 | 1.044 | 1.124 | 1.074 | 1.028 | 10.56 |
| 76) | T | 1,2,3-Trichlor... | 0.650 | 0.959 | 1.066 | 0.990 | 0.938 | 0.892 | 0.916 | 15.58 |
| 77) | T | Bromobenzene | 0.744 | 0.861 | 0.953 | 0.892 | 0.956 | 0.911 | 0.886 | 8.87 |
| 78) | T | n-propylbenzene | 3.642 | 4.243 | 4.682 | 4.430 | 4.737 | 4.509 | 4.374 | 9.16 |
| 79) | T | 2-Chlorotoluene | 2.363 | 2.596 | 2.736 | 2.586 | 2.770 | 2.618 | 2.611 | 5.50 |
| 80) | T | 1,3,5-Trimethy... | 2.497 | 2.888 | 3.297 | 3.072 | 3.294 | 3.108 | 3.026 | 9.94 |
| 81) | T | trans-1,4-Dich... | | 0.264 | 0.297 | 0.311 | 0.367 | 0.381 | 0.324 | 15.12 |
| 82) | T | 4-Chlorotoluene | 2.734 | 2.980 | 3.255 | 3.024 | 3.227 | 3.066 | 3.048 | 6.21 |
| 83) | T | tert-Butylbenzene | 2.658 | 3.043 | 3.316 | 3.122 | 3.395 | 3.234 | 3.128 | 8.41 |
| 84) | T | 1,2,4-Trimethy... | 2.455 | 2.992 | 3.270 | 3.061 | 3.302 | 3.162 | 3.040 | 10.20 |
| 85) | T | sec-Butylbenzene | 3.301 | 3.920 | 4.198 | 3.999 | 4.272 | 4.030 | 3.953 | 8.73 |
| 86) | T | p-Isopropyltol... | 2.905 | 3.275 | 3.526 | 3.340 | 3.574 | 3.394 | 3.336 | 7.17 |
| 87) | T | 1,3-Dichlorobe... | 1.694 | 1.703 | 1.787 | 1.678 | 1.786 | 1.719 | 1.728 | 2.74 |
| 88) | T | 1,4-Dichlorobe... | 1.932 | 1.743 | 1.830 | 1.653 | 1.789 | 1.702 | 1.775 | 5.59 |
| 89) | T | n-Butylbenzene | 2.986 | 2.970 | 3.284 | 3.154 | 3.415 | 3.194 | 3.167 | 5.43 |
| 90) | T | Hexachloroethane | 0.522 | 0.523 | 0.601 | 0.584 | 0.647 | 0.627 | 0.584 | 8.97 |
| 91) | T | 1,2-Dichlorobe... | 1.460 | 1.604 | 1.701 | 1.592 | 1.703 | 1.627 | 1.615 | 5.55 |
| 92) | T | 1,2-Dibromo-3-... | 0.134 | 0.196 | 0.205 | 0.211 | 0.235 | 0.237 | 0.203 | 18.57 |
| 93) | T | 1,2,4-Trichlor... | 1.170 | 1.040 | 1.138 | 1.127 | 1.253 | 1.160 | 1.148 | 5.99 |
| 94) | T | Hexachlorobuta... | 0.495 | 0.490 | 0.501 | 0.479 | 0.512 | 0.420 | 0.483 | 6.78 |
| 95) | T | Naphthalene | 2.636 | 2.887 | 3.301 | 3.335 | 3.744 | 3.720 | 3.270 | 13.54 |
| 96) | T | 1,2,3-Trichlor... | 0.957 | 1.062 | 1.129 | 1.082 | 1.206 | 1.153 | 1.098 | 7.87 |

(#) = Out of Range




Response = 5.178e-003 * Amt - 2.920e-003
Coef of Det (r^2) = 0.999471  Curve Fit: Linear
Method Name:  Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061725W.M
Calibration Table Last Updated: Wed Jun 18 03:09:16 2025




Response = 7.844e-001 * Amt - 6.799e-002
Coef of Det (r^2) = 0.996612  Curve Fit: Linear
Method Name:  Z:\voasrv\HPCHEM1\MSVOA X\Method\82X061725W.M
Calibration Table Last Updated: Wed Jun 18 03:09:16 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 130530 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 217019 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 195782 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 100990 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 10456 | 5.791 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 11.580%# | | | |
| 35) Dibromofluoromethane | 5.403 | 113 | 7865 | 5.478 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.960%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 29120 | 5.645 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 11.280%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 11137 | 5.791 | ug/l | | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 11.580%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 6051 | 4.342 | ug/l | | 99 |
| 3) Chloromethane | 1.307 | 50 | 7066 | 4.698 | ug/l | | 90 |
| 4) Vinyl Chloride | 1.386 | 62 | 7425 | 4.629 | ug/l | | 99 |
| 5) Bromomethane | 1.617 | 94 | 4837 | 5.360 | ug/l | | 95 |
| 6) Chloroethane | 1.703 | 64 | 4575 | 4.706 | ug/l | | 92 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 11714 | 4.810 | ug/l | | 92 |
| 8) Diethyl Ether | 2.148 | 74 | 4038 | 4.831 | ug/l | | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 7353 | 4.921 | ug/l | | 96 |
| 10) Methyl Iodide | 2.465 | 142 | 5830 | 7.181 | ug/l | | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 3134 | 19.340 | ug/l | | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 6884 | 4.775 | ug/l | | 91 |
| 13) Acrolein | 2.251 | 56 | 6208 | 26.301 | ug/l | | 100 |
| 14) Allyl chloride | 2.678 | 41 | 12195 | 4.668 | ug/l | | 99 |
| 15) Acrylonitrile | 3.081 | 53 | 17611 | 24.169 | ug/l | | 99 |
| 16) Acetone | 2.392 | 43 | 14275 | 23.710 | ug/l | | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 19624 | 4.507 | ug/l | | 100 |
| 18) Methyl Acetate | 2.721 | 43 | 7530 | 4.924 | ug/l | | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 21254 | 4.734 | ug/l | | 97 |
| 20) Methylene Chloride | 2.800 | 84 | 8556 | 5.110 | ug/l | | 97 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 7425 | 4.813 | ug/l | | 97 |
| 22) Diisopropyl ether | 3.769 | 45 | 24580 | 4.895 | ug/l | # | 67 |
| 23) Vinyl Acetate | 3.739 | 43 | 92889 | 23.264 | ug/l | | 98 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 13761 | 4.827 | ug/l | | 99 |
| 25) 2-Butanone | 4.580 | 43 | 20821 | 24.452 | ug/l | | 97 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 10020 | 4.819 | ug/l | | 96 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 8891 | 4.906 | ug/l | | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 6884 | 5.326 | ug/l | # | 96 |
| 29) Tetrahydrofuran | 5.025 | 42 | 13402 | 24.367 | ug/l | | 99 |
| 30) Chloroform | 5.099 | 83 | 14385 | 5.046 | ug/l | | 86 |
| 31) Cyclohexane | 5.483 | 56 | 12835 | 4.748 | ug/l | | 94 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 12150 | 4.859 | ug/l | | 97 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 10359 | 4.998 | ug/l | | 99 |
| 37) Ethyl Acetate | 4.733 | 43 | 8763 | 4.580 | ug/l | | 96 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 11043 | 4.909 | ug/l | | 98 |
| 39) Methylcyclohexane | 7.391 | 83 | 13704 | 5.024 | ug/l | # | 87 |
| 40) Benzene | 6.050 | 78 | 31061 | 5.064 | ug/l | | 97 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.940 | 41 | 4488 | 4.400 | ug/l | # | 92 |
| 42) 1,2-Dichloroethane | 6.104 | 62 | 11029 | 5.116 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.348 | 43 | 14711 | 4.914 | ug/l | | 97 |
| 44) Trichloroethene | 7.135 | 130 | 7703 | 4.927 | ug/l | | 93 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 7529 | 4.952 | ug/l | | 97 |
| 46) Dibromomethane | 7.592 | 93 | 5267 | 4.821 | ug/l | | 95 |
| 47) Bromodichloromethane | 7.824 | 83 | 11072 | 4.966 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.702 | 41 | 6864 | 4.571 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.671 | 88 | 1949 | 113.091 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 44282 | 24.800 | ug/l | | 97 |
| 52) Toluene | 8.720 | 92 | 19190 | 5.046 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 9497 | 4.591 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 11188 | 4.764 | ug/l | | 95 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 7151 | 5.046 | ug/l | | 95 |
| 56) Ethyl methacrylate | 9.122 | 69 | 10101 | 4.828 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 12483 | 5.115 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 26158 | 24.071 | ug/l | | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 30938 | 25.062 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.518 | 129 | 8249 | 4.939 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 7221 | 5.009 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 6755 | 4.980 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 21807 | 5.046 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 7006 | 4.823 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 37295 | 4.939 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 27609 | 9.812 | ug/l | | 96 |
| 69) o-Xylene | 10.640 | 106 | 13421 | 5.090 | ug/l | | 97 |
| 70) Styrene | 10.659 | 104 | 22403 | 4.855 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 5248 | 4.744 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 36281 | 4.878 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 12496 | 4.434 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 10468 | 5.040 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 9687m | 4.722 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 8694 | 4.857 | ug/l | | 95 |
| 78) n-propylbenzene | 11.305 | 91 | 42848 | 4.850 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 26221 | 4.971 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 29167 | 4.772 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 2663 | 4.070 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 30097 | 4.889 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 30728 | 4.864 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 30213 | 4.920 | ug/l | | 98 |
| 85) sec-Butylbenzene | 11.890 | 105 | 39588 | 4.958 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 33076 | 4.909 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 17198 | 4.928 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 17600 | 4.910 | ug/l | | 95 |
| 89) n-Butylbenzene | 12.329 | 91 | 29990 | 4.688 | ug/l | | 98 |
| 90) Hexachloroethane | 12.536 | 117 | 5285 | 4.480 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 16203 | 4.968 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 1982 | 4.834 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 10507 | 4.532 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 4953 | 5.078 | ug/l | | 95 |
| 95) Naphthalene | 13.774 | 128 | 29158 | 4.414 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 10725 | 4.835 | ug/l | | 96 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

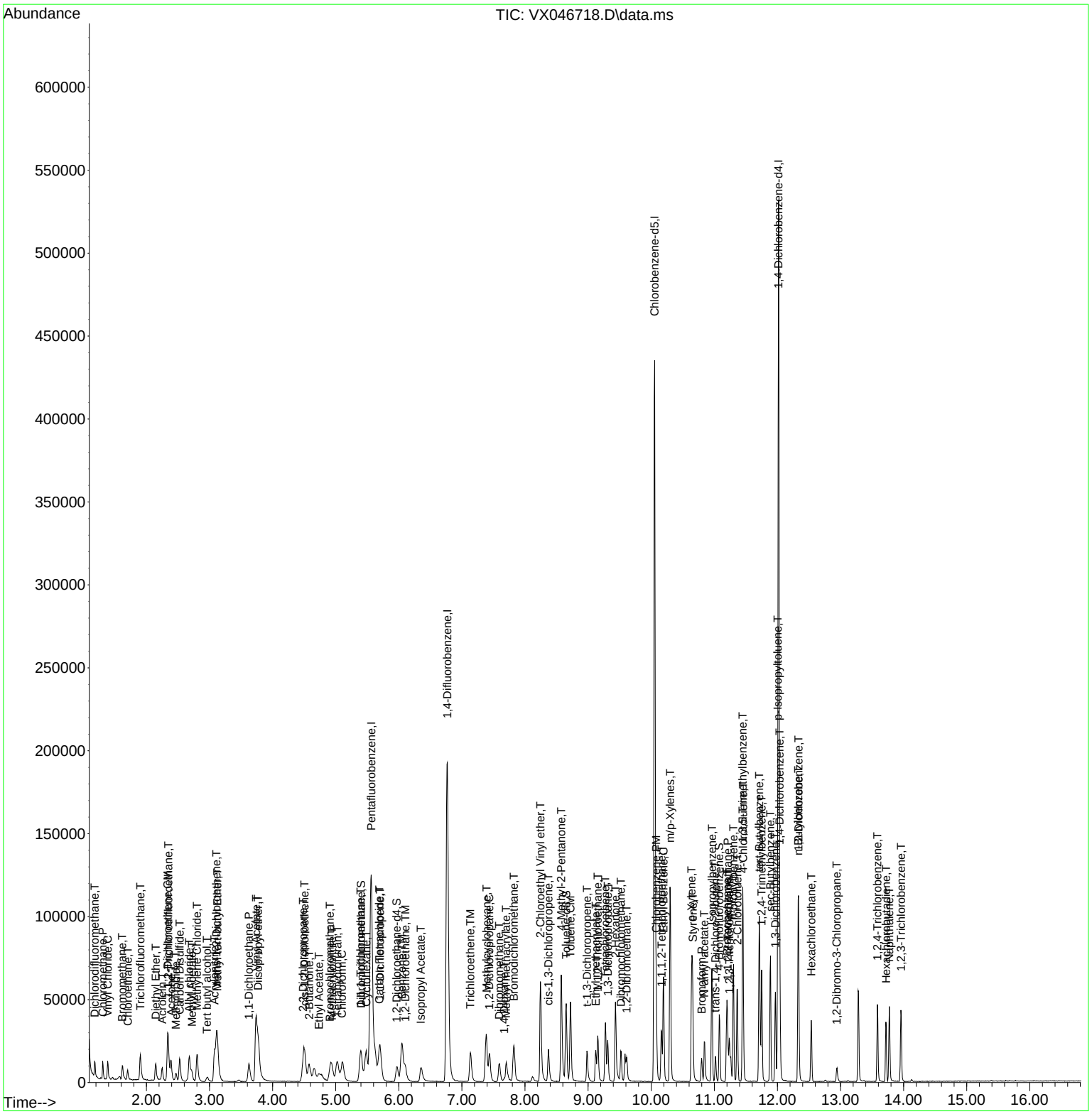
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC005

Quant Time: Jun 18 02:37:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 134732 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.757 | 114 | 226567 | 50.000 | ug/l | -0.01 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 197947 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 98285 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 30582 | 16.410 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 32.820%# | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 24156 | 16.114 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 32.220%# | | |
| 50) Toluene-d8 | 8.647 | 98 | 88197 | 16.376 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 32.760%# | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 32067 | 15.973 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 31.940%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 27297 | 18.977 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 30731 | 19.793 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 34049 | 20.565 | ug/l | 96 |
| 5) Bromomethane | 1.618 | 94 | 19805 | 21.261 | ug/l | 91 |
| 6) Chloroethane | 1.697 | 64 | 20911 | 20.838 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 52480 | 20.875 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 18139 | 21.024 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 32778 | 21.253 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 30525 | 18.775 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 16360 | 97.808 | ug/l | 96 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 30924 | 20.780 | ug/l | 92 |
| 13) Acrolein | 2.246 | 56 | 20036 | 82.237 | ug/l | 98 |
| 14) Allyl chloride | 2.672 | 41 | 56147 | 20.823 | ug/l | 99 |
| 15) Acrylonitrile | 3.069 | 53 | 77278 | 102.746 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 59747 | 96.140 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 88625 | 19.721 | ug/l | 99 |
| 18) Methyl Acetate | 2.709 | 43 | 31812 | 20.154 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 97187 | 20.974 | ug/l | 95 |
| 20) Methylene Chloride | 2.800 | 84 | 35302 | 20.426 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 33796 | 21.224 | ug/l | 95 |
| 22) Diisopropyl ether | 3.764 | 45 | 111712 | 21.555 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 433313 | 105.140 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 62164 | 21.126 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 87671 | 99.748 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 42992 | 20.032 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 39374 | 21.047 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 24738 | 18.544 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.007 | 42 | 56765 | 99.990 | ug/l | 98 |
| 30) Chloroform | 5.093 | 83 | 64109 | 21.785 | ug/l | 100 |
| 31) Cyclohexane | 5.477 | 56 | 58552 | 20.982 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 54542 | 21.133 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 44023 | 20.344 | ug/l | 99 |
| 37) Ethyl Acetate | 4.715 | 43 | 39916 | 19.984 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 48694 | 20.735 | ug/l | 97 |
| 39) Methylcyclohexane | 7.379 | 83 | 58170 | 20.428 | ug/l | 97 |
| 40) Benzene | 6.038 | 78 | 133872 | 20.904 | ug/l | 100 |

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 21970 | 20.632 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 47430 | 21.076 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 62432 | 19.975 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 33927 | 20.788 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.428 | 63 | 33688 | 21.226 | ug/l | | 94 |
| 46) Dibromomethane | 7.580 | 93 | 23569 | 20.663 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 49411 | 21.227 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 31856 | 20.322 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.659 | 88 | 8340 | 382.035 | ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 187509 | 100.586 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 84030 | 21.166 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 43852 | 20.304 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 50326 | 20.526 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 30865 | 20.862 | ug/l | | 94 |
| 56) Ethyl methacrylate | 9.116 | 69 | 44702 | 20.468 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 52181 | 20.480 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 106505 | 93.878 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 129218 | 100.265 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 36392 | 20.872 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 31507 | 20.936 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.269 | 164 | 27988 | 20.408 | ug/l | | 97 |
| 65) Chlorobenzene | 10.073 | 112 | 90868 | 20.796 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 31508 | 21.455 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 160761 | 21.056 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 121014 | 42.539 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 57689 | 21.638 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 99462 | 21.318 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 23372 | 20.898 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 153861 | 21.255 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 57185 | 20.851 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 42272 | 20.914 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 41901m | 20.989 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 37464 | 21.507 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 184078 | 21.410 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 107552 | 20.952 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 129635 | 21.793 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11694 | 18.362 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 127954 | 21.358 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 130359 | 21.201 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 128566 | 21.512 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 165047 | 21.239 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 138623 | 21.142 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 70243 | 20.681 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 71953 | 20.625 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 129101 | 20.738 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 23645 | 20.594 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 66883 | 21.073 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8071 | 20.226 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 44726 | 19.821 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 19698 | 20.752 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 129768 | 20.186 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 44380 | 20.558 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

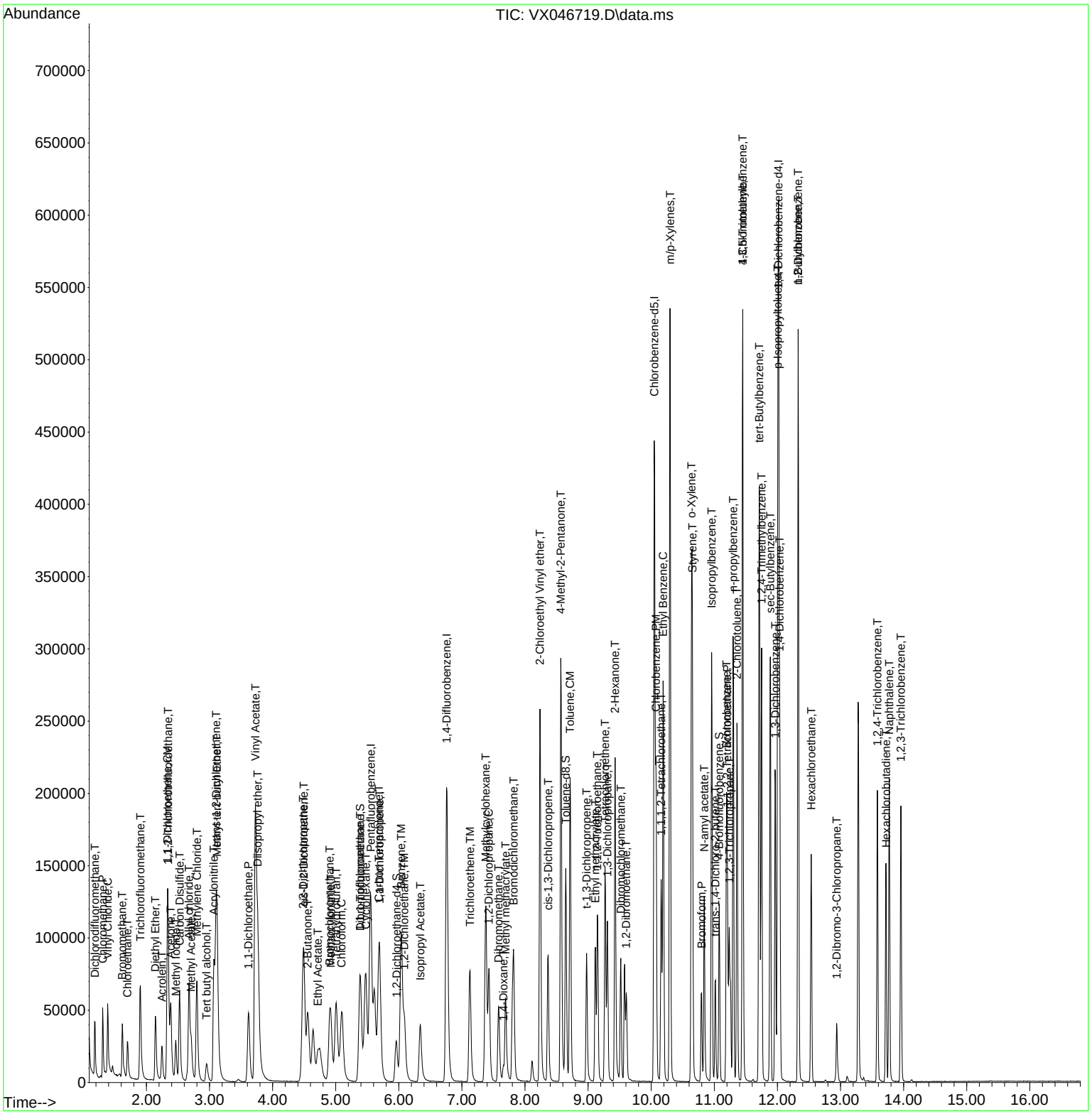
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC020

Quant Time: Jun 18 02:38:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 123412 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 204400 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 179407 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 89016 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 80133 | 46.944 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 93.880% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 65447 | 48.394 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.780% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 233825 | 48.124 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.240% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 87131 | 48.107 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.220% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.185 | 85 | 71910 | 54.577 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 73175 | 51.454 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 78242 | 51.592 | ug/l | 100 |
| 5) Bromomethane | 1.624 | 94 | 45535 | 53.367 | ug/l | 100 |
| 6) Chloroethane | 1.703 | 64 | 46570 | 50.665 | ug/l | 100 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 119335 | 51.823 | ug/l | 100 |
| 8) Diethyl Ether | 2.148 | 74 | 39712 | 50.251 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 71037 | 50.285 | ug/l | 100 |
| 10) Methyl Iodide | 2.471 | 142 | 80710 | 46.019 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 38256 | 249.692 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 70202 | 51.500 | ug/l | 100 |
| 13) Acrolein | 2.246 | 56 | 53791 | 241.036 | ug/l | 100 |
| 14) Allyl chloride | 2.678 | 41 | 123265 | 49.909 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 175846 | 255.243 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 135683 | 238.356 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 197344 | 47.941 | ug/l | 100 |
| 18) Methyl Acetate | 2.715 | 43 | 71685 | 49.582 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 216266 | 50.953 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 75315 | 47.576 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 72648 | 49.807 | ug/l | 100 |
| 22) Diisopropyl ether | 3.770 | 45 | 242789 | 51.143 | ug/l | 100 |
| 23) Vinyl Acetate | 3.733 | 43 | 985040 | 260.935 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 134324 | 49.835 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 208346 | 258.788 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 93956 | 47.794 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 84638 | 49.392 | ug/l | 100 |
| 28) Bromochloromethane | 4.910 | 49 | 59857 | 48.984 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 133555 | 256.831 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 137459 | 50.996 | ug/l | 100 |
| 31) Cyclohexane | 5.483 | 56 | 125014 | 48.909 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 117954 | 49.895 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 97413 | 49.899 | ug/l | 100 |
| 37) Ethyl Acetate | 4.721 | 43 | 88076 | 48.877 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 105202 | 49.656 | ug/l | 100 |
| 39) Methylcyclohexane | 7.385 | 83 | 128553 | 50.041 | ug/l | 100 |
| 40) Benzene | 6.044 | 78 | 289724 | 50.146 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 48765 | 50.762 | ug/l | | 100 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 101218 | 49.855 | ug/l | | 100 |
| 43) Isopropyl Acetate | 6.342 | 43 | 146377 | 51.911 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 72796 | 49.441 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 70702 | 49.378 | ug/l | | 100 |
| 46) Dibromomethane | 7.586 | 93 | 51288 | 49.840 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 106651 | 50.787 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 75708 | 53.535 | ug/l | | 100 |
| 49) 1,4-Dioxane | 7.659 | 88 | 19802 | 962.534 | ug/l | | 100 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 435000 | 258.656 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 181414 | 50.650 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 99727 | 51.183 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 111917 | 50.598 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 66688 | 49.963 | ug/l | | 100 |
| 56) Ethyl methacrylate | 9.116 | 69 | 103697 | 52.629 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 114824 | 49.955 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63 | 287531 | 280.927 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 303322 | 260.883 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 79227 | 50.368 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 68515 | 50.464 | ug/l | | 100 |
| 64) Tetrachloroethene | 9.275 | 164 | 61048 | 49.115 | ug/l | | 100 |
| 65) Chlorobenzene | 10.080 | 112 | 195752 | 49.429 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 67004 | 50.341 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.189 | 91 | 346812 | 50.119 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 259899 | 100.800 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 124120 | 51.366 | ug/l | | 100 |
| 70) Styrene | 10.653 | 104 | 216738 | 51.254 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 51485 | 50.792 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 331391 | 50.548 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 130606 | 52.581 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 92893 | 50.745 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 88091m | 48.721 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 79404 | 50.331 | ug/l | | 100 |
| 78) n-propylbenzene | 11.299 | 91 | 394375 | 50.646 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 230178 | 49.509 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 273477 | 50.761 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 27677 | 47.984 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 269198 | 49.613 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 277915 | 49.905 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 272510 | 50.345 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 355947 | 50.574 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 297314 | 50.067 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 149402 | 48.568 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 147146 | 46.571 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 280794 | 49.801 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 51961 | 49.968 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 141743 | 49.309 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18747 | 51.873 | ug/l | | 100 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 100346 | 49.101 | ug/l | | 100 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 42659 | 49.621 | ug/l | | 100 |
| 95) Naphthalene | 13.774 | 128 | 296912 | 50.994 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 96318 | 49.263 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

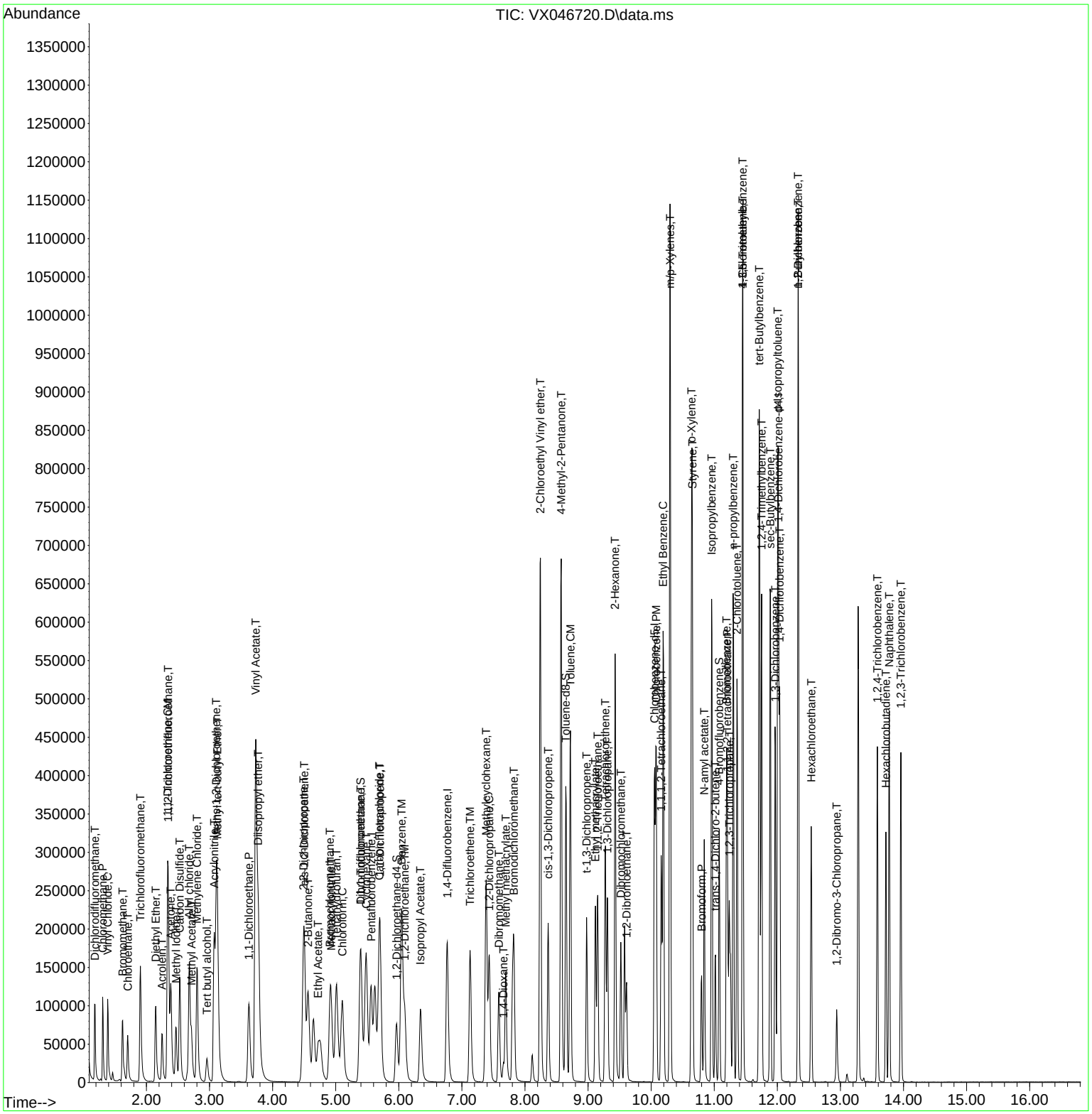
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICCC050

Quant Time: Jun 18 02:39:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 110482 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 183300 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 160869 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 78522 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 160514 | 105.037 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 210.080%# | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 129932 | 107.136 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 214.280%# | | | |
| 50) Toluene-d8 | 8.647 | 98 | 458174 | 105.153 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 210.300%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 170795 | 105.156 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 210.320%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 138589 | 117.494 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 141568 | 111.195 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 151879 | 111.868 | ug/l | 97 |
| 5) Bromomethane | 1.611 | 94 | 75361 | 98.660 | ug/l | 94 |
| 6) Chloroethane | 1.697 | 64 | 89532 | 108.805 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 227688 | 110.449 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 77791 | 109.956 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 137759 | 108.929 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 174182 | 104.824 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.965 | 59 | 78366 | 571.345 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 134660 | 110.347 | ug/l | 98 |
| 13) Acrolein | 2.246 | 56 | 108796 | 544.566 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 243477 | 110.119 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 344981 | 559.348 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 263024 | 516.133 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 383348 | 104.026 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 143551 | 110.909 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 419445 | 110.387 | ug/l | 98 |
| 20) Methylene Chloride | 2.800 | 84 | 147144 | 103.828 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 140792 | 107.824 | ug/l | 97 |
| 22) Diisopropyl ether | 3.770 | 45 | 466831 | 109.846 | ug/l | 98 |
| 23) Vinyl Acetate | 3.733 | 43 | 1930136 | 571.126 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 258546 | 107.149 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 409960 | 568.810 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 194006 | 110.239 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 163672 | 106.691 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 114720 | 104.869 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 265233 | 569.746 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 260888 | 108.113 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 237424 | 103.757 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 231101 | 109.198 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 183355 | 104.733 | ug/l | 98 |
| 37) Ethyl Acetate | 4.721 | 43 | 171444 | 106.094 | ug/l | 97 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 200914 | 105.749 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 246277 | 106.902 | ug/l | 99 |
| 40) Benzene | 6.044 | 78 | 553336 | 106.798 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 97782 | 113.502 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 193498 | 106.278 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 291467 | 115.264 | ug/l | | 100 |
| 44) Trichloroethene | 7.129 | 130 | 142659 | 108.043 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 137291 | 106.920 | ug/l | | 96 |
| 46) Dibromomethane | 7.586 | 93 | 98964 | 107.240 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 205870 | 109.319 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 150002 | 118.279 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 38203 | 2040.447 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 843944 | 559.584 | ug/l | | 100 |
| 52) Toluene | 8.720 | 92 | 339735 | 105.772 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 203470 | 116.448 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 221241 | 111.537 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 127195 | 106.264 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 205153 | 116.106 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 220021 | 106.740 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 541734 | 590.219 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 587221 | 563.200 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 153731 | 108.983 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 133253 | 109.444 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 115774 | 103.876 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 374913 | 105.577 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 131134 | 109.876 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 663369 | 106.914 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 492448 | 213.003 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 237631 | 109.675 | ug/l | | 99 |
| 70) Styrene | 10.653 | 104 | 407566 | 107.488 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 101329 | 111.485 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 628803 | 108.731 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 260620 | 118.945 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 176523 | 109.317 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 147349m | 92.387 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 150110 | 107.864 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 743979 | 108.310 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 434989 | 106.065 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 517286 | 108.848 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 57608 | 113.225 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 506852 | 105.896 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 533235 | 108.548 | ug/l | | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 518524 | 108.598 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 670896 | 108.062 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 561258 | 107.145 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 280540 | 103.388 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 280884 | 100.779 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 536268 | 107.822 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 101647 | 110.811 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 267432 | 105.466 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 36858 | 115.616 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 196715 | 109.119 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 80407 | 106.029 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 587914 | 114.468 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 189473 | 109.861 | ug/l | | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

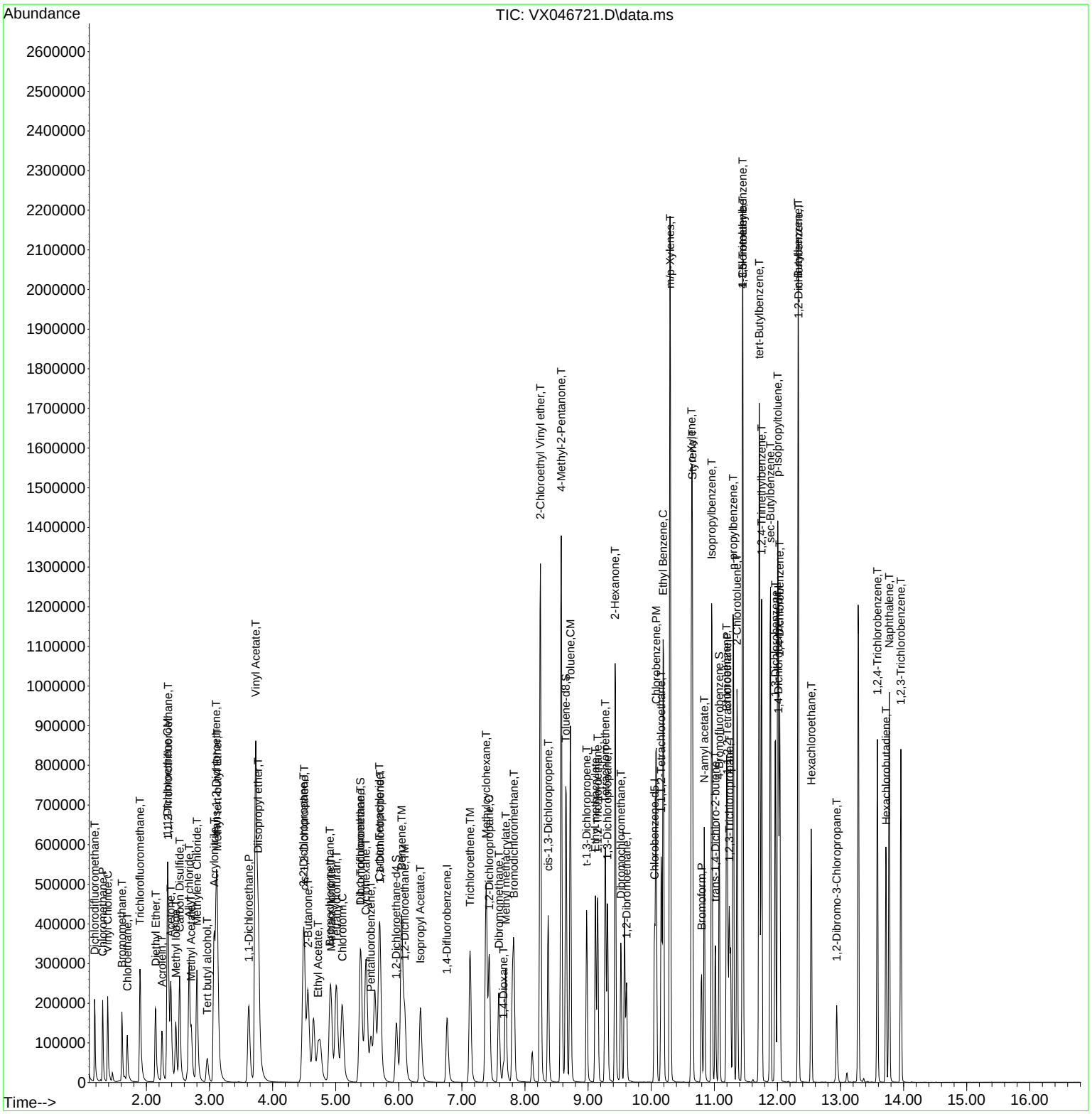
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC100

Quant Time: Jun 18 02:40:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 107848 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 178346 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 156970 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 75829 | 50.000 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 230915 | 154.797 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 309.600%# | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 187536 | 158.930 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 317.860%# | | | |
| 50) Toluene-d8 | 8.653 | 98 | 660221 | 155.733 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 311.460%# | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 244007 | 154.404 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 308.800%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 193321 | 167.898 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 202755 | 163.144 | ug/l | 97 |
| 4) Vinyl Chloride | 1.386 | 62 | 208285 | 157.161 | ug/l | 96 |
| 5) Bromomethane | 1.612 | 94 | 90708 | 121.652 | ug/l | 97 |
| 6) Chloroethane | 1.691 | 64 | 123323 | 153.530 | ug/l | 96 |
| 7) Trichlorofluoromethane | 1.898 | 101 | 314552 | 156.313 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 108801 | 157.544 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 192071 | 155.583 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 243423 | 148.201 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.971 | 59 | 111150 | 830.155 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 188770 | 158.466 | ug/l | 97 |
| 13) Acrolein | 2.246 | 56 | 156844 | 804.238 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 340117 | 157.583 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 477449 | 793.036 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 378554 | 760.980 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 535657 | 148.907 | ug/l | 99 |
| 18) Methyl Acetate | 2.715 | 43 | 209349 | 165.695 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 585091 | 157.742 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 201983 | 146.004 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 192490 | 151.016 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 638477 | 153.904 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 2691267 | 815.794 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 360395 | 153.006 | ug/l | 98 |
| 25) 2-Butanone | 4.562 | 43 | 570672 | 811.132 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 286713 | 166.896 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 227788 | 152.112 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 161801 | 151.520 | ug/l | 100 |
| 29) Tetrahydrofuran | 5.013 | 42 | 370760 | 815.879 | ug/l | 100 |
| 30) Chloroform | 5.105 | 83 | 358782 | 152.312 | ug/l | 99 |
| 31) Cyclohexane | 5.483 | 56 | 330235 | 147.842 | ug/l | 98 |
| 32) 1,1,1-Trichloroethane | 5.397 | 97 | 320382 | 155.082 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 256619 | 150.653 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 245724 | 156.284 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 284066 | 153.668 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 346118 | 154.413 | ug/l | 100 |
| 40) Benzene | 6.044 | 78 | 763341 | 151.423 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 142283 | 169.745 | ug/l | 94 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 265740 | 150.011 | ug/l | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 412067 | 167.483 | ug/l | 99 |
| 44) Trichloroethene | 7.129 | 130 | 195943 | 152.520 | ug/l | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 191181 | 153.025 | ug/l | 95 |
| 46) Dibromomethane | 7.580 | 93 | 138541 | 154.297 | ug/l | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 288826 | 157.630 | ug/l | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 211908 | 171.734 | ug/l | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 54646 | 2987.386 | ug/l | 96 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 1173666 | 799.825 | ug/l | 100 |
| 52) Toluene | 8.720 | 92 | 471273 | 150.800 | ug/l | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 288893 | 169.929 | ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 314965 | 163.198 | ug/l | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 175973 | 151.099 | ug/l | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 288720 | 167.940 | ug/l | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 301418 | 150.290 | ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 754730 | 845.118 | ug/l | 100 |
| 59) 2-Hexanone | 9.433 | 43 | 816655 | 805.005 | ug/l | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 215347 | 156.904 | ug/l | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 185268 | 156.392 | ug/l | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 159752 | 146.895 | ug/l | 98 |
| 65) Chlorobenzene | 10.080 | 112 | 517859 | 149.453 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 181981 | 156.268 | ug/l | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 915724 | 151.251 | ug/l | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 676085 | 299.697 | ug/l | 99 |
| 69) o-Xylene | 10.640 | 106 | 328782 | 155.514 | ug/l | 98 |
| 70) Styrene | 10.653 | 104 | 566606 | 153.143 | ug/l | 100 |
| 71) Bromoform | 10.799 | 173 | 143229 | 161.498 | ug/l | 100 |
| 73) Isopropylbenzene | 10.964 | 105 | 867728 | 155.374 | ug/l | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 369757 | 174.748 | ug/l | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 244406 | 156.730 | ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 202926m | 131.753 | ug/l | |
| 77) Bromobenzene | 11.195 | 156 | 207348 | 154.285 | ug/l | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 1025742 | 154.633 | ug/l | 100 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 595555 | 150.373 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 707005 | 154.053 | ug/l | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 86677 | 176.408 | ug/l | 93 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 697556 | 150.915 | ug/l | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 735750 | 155.093 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 719283 | 155.994 | ug/l | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 916769 | 152.910 | ug/l | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 771998 | 152.610 | ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 391049 | 149.232 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 387139 | 143.836 | ug/l | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 726563 | 151.271 | ug/l | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 142663 | 161.049 | ug/l | 98 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 370234 | 151.192 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 54014 | 175.448 | ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 263803 | 151.531 | ug/l | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 95520 | 130.431 | ug/l | 100 |
| 95) Naphthalene | 13.774 | 128 | 846206 | 170.609 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 262348 | 157.517 | ug/l | 98 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

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

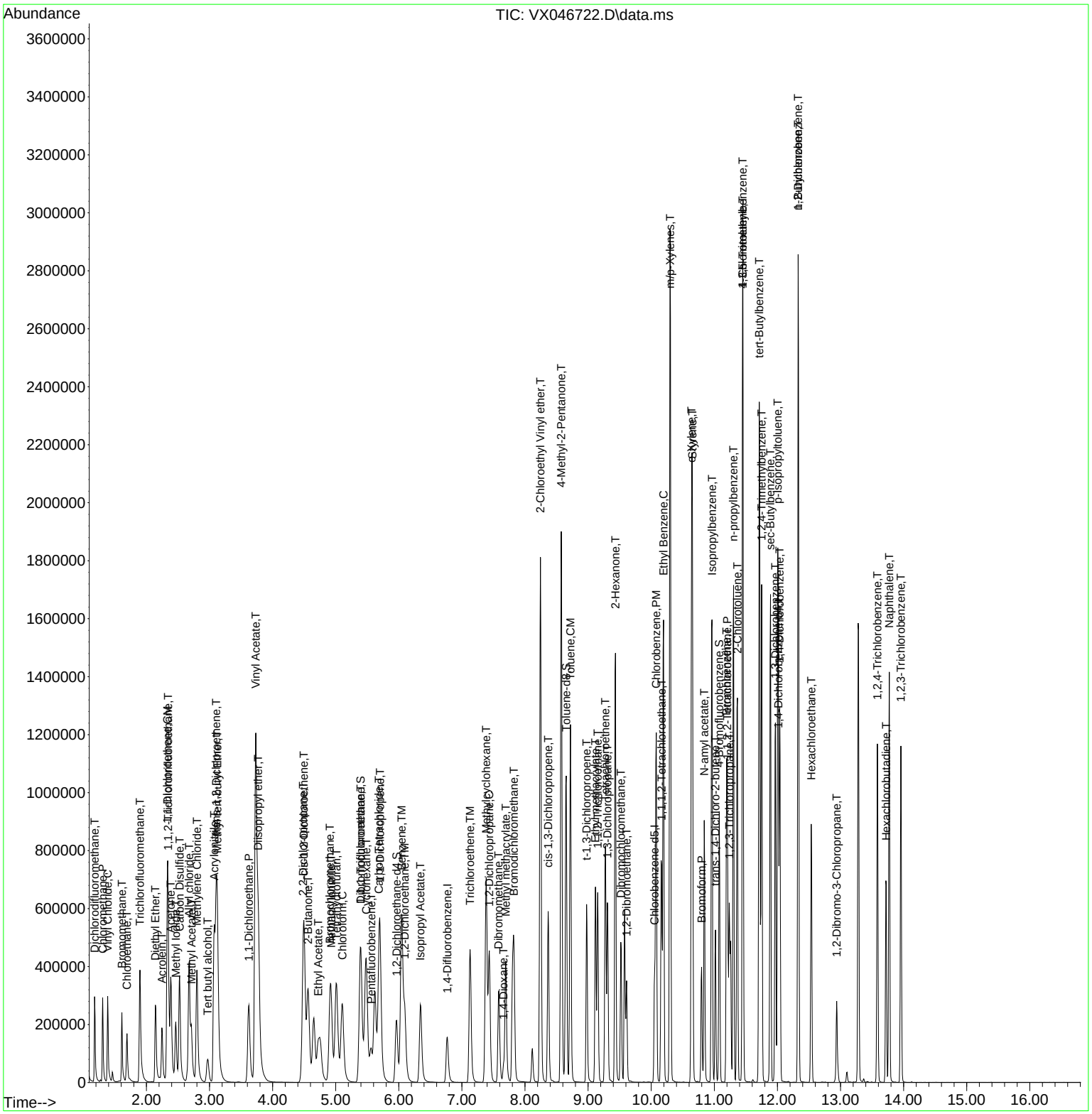
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC150

Quant Time: Jun 18 02:41:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 136219 | 50.000 | ug/l | | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 226094 | 50.000 | ug/l | | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 205370 | 50.000 | ug/l | | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 103593 | 50.000 | ug/l | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 0.000 | 65 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 0.000%# | | | |
| 35) Dibromofluoromethane | 0.000 | 113 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 0.000%# | | | |
| 50) Toluene-d8 | 0.000 | 98 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 0.000%# | | | |
| 62) 4-Bromofluorobenzene | 0.000 | 95 | 0d | 0.000 | ug/l | | |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 0.000%# | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 1159 | 0.797 | ug/l | | 83 |
| 3) Chloromethane | 1.307 | 50 | 1322 | 0.842 | ug/l | | 93 |
| 4) Vinyl Chloride | 1.386 | 62 | 1419 | 0.848 | ug/l | | 89 |
| 6) Chloroethane | 1.703 | 64 | 905 | 0.892 | ug/l | | 90 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 2062 | 0.811 | ug/l | | 97 |
| 8) Diethyl Ether | 2.148 | 74 | 722 | 0.828 | ug/l | | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 1280 | 0.821 | ug/l | | 99 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 1228 | 0.816 | ug/l | # | 76 |
| 14) Allyl chloride | 2.672 | 41 | 2386 | 0.875 | ug/l | | 96 |
| 15) Acrylonitrile | 3.081 | 53 | 3075 | 4.044 | ug/l | | 96 |
| 16) Acetone | 2.386 | 43 | 3424 | 5.449 | ug/l | # | 80 |
| 17) Carbon Disulfide | 2.526 | 76 | 5092 | 1.121 | ug/l | | 96 |
| 18) Methyl Acetate | 2.721 | 43 | 1280 | 0.802 | ug/l | # | 87 |
| 19) Methyl tert-butyl Ether | 3.129 | 73 | 3888 | 0.830 | ug/l | # | 89 |
| 20) Methylene Chloride | 2.800 | 84 | 1736 | 0.994 | ug/l | | 91 |
| 21) trans-1,2-Dichloroethene | 3.111 | 96 | 1441 | 0.895 | ug/l | # | 81 |
| 22) Diisopropyl ether | 3.770 | 45 | 4170 | 0.796 | ug/l | # | 71 |
| 23) Vinyl Acetate | 3.745 | 43 | 15507 | 3.722 | ug/l | | 95 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 2648 | 0.890 | ug/l | # | 79 |
| 25) 2-Butanone | 4.593 | 43 | 3422 | 3.851 | ug/l | | 93 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 1874m | 0.864 | ug/l | | |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 1698 | 0.898 | ug/l | | 97 |
| 28) Bromochloromethane | 4.922 | 49 | 1307 | 0.969 | ug/l | # | 91 |
| 29) Tetrahydrofuran | 5.032 | 42 | 2212 | 3.854 | ug/l | # | 54 |
| 30) Chloroform | 5.105 | 83 | 2336m | 0.785 | ug/l | | |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 2212 | 0.848 | ug/l | # | 50 |
| 36) 1,1-Dichloropropene | 5.708 | 75 | 2016 | 0.934 | ug/l | | 90 |
| 37) Ethyl Acetate | 4.739 | 43 | 2002m | 1.004 | ug/l | | |
| 38) Carbon Tetrachloride | 5.684 | 117 | 2124 | 0.906 | ug/l | | 92 |
| 39) Methylcyclohexane | 7.379 | 83 | 2485 | 0.875 | ug/l | | 87 |
| 40) Benzene | 6.044 | 78 | 5507 | 0.862 | ug/l | | 97 |
| 41) Methacrylonitrile | 4.965 | 41 | 857m | 0.806 | ug/l | | |
| 42) 1,2-Dichloroethane | 6.098 | 62 | 1938 | 0.863 | ug/l | # | 75 |
| 43) Isopropyl Acetate | 6.367 | 43 | 2218 | 0.711 | ug/l | # | 83 |
| 44) Trichloroethene | 7.135 | 130 | 1448 | 0.889 | ug/l | | 87 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 1380 | 0.871 | ug/l | # | 89 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration

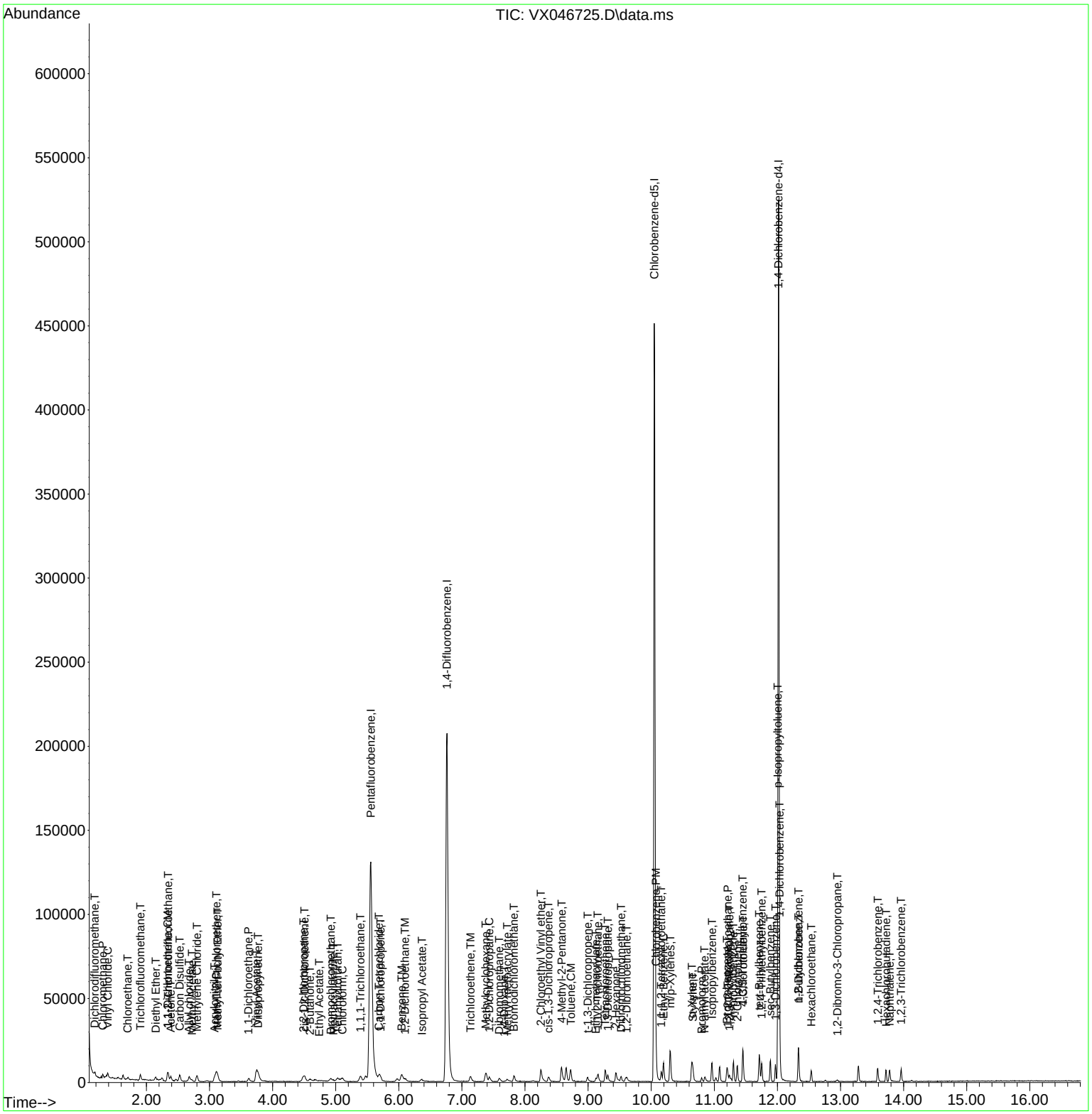
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) Dibromomethane | 7.592 | 93 | 1030 | 0.905 | ug/l | | 89 |
| 47) Bromodichloromethane | 7.824 | 83 | 1825 | 0.786 | ug/l | # | 82 |
| 48) Methyl methacrylate | 7.720 | 41 | 1050 | 0.671 | ug/l | # | 80 |
| 49) 1,4-Dioxane | 7.671 | 88 | 56 | 28.694 | ug/l | # | 77 |
| 51) 4-Methyl-2-Pentanone | 8.580 | 43 | 7273 | 3.910 | ug/l | | 97 |
| 52) Toluene | 8.726 | 92 | 3393 | 0.856 | ug/l | | 96 |
| 53) t-1,3-Dichloropropene | 8.994 | 75 | 1607 | 0.746 | ug/l | # | 87 |
| 54) cis-1,3-Dichloropropene | 8.372 | 75 | 1971 | 0.806 | ug/l | # | 57 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 1297 | 0.878 | ug/l | # | 83 |
| 56) Ethyl methacrylate | 9.122 | 69 | 1477 | 0.678 | ug/l | | 93 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 2249 | 0.885 | ug/l | | 95 |
| 58) 2-Chloroethyl Vinyl ether | 8.251 | 63 | 3778 | 3.337 | ug/l | | 92 |
| 59) 2-Hexanone | 9.439 | 43 | 4833 | 3.758 | ug/l | | 94 |
| 60) Dibromochloromethane | 9.525 | 129 | 1436 | 0.825 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 1209 | 0.805 | ug/l | | 90 |
| 64) Tetrachloroethene | 9.275 | 164 | 1399 | 0.983 | ug/l | | 95 |
| 65) Chlorobenzene | 10.073 | 112 | 4127 | 0.910 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 1242 | 0.815 | ug/l | # | 64 |
| 67) Ethyl Benzene | 10.195 | 91 | 6967 | 0.880 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.305 | 106 | 5214 | 1.767 | ug/l | | 98 |
| 69) o-Xylene | 10.646 | 106 | 2045 | 0.739 | ug/l | | 80 |
| 70) Styrene | 10.659 | 104 | 4077 | 0.842 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 927 | 0.799 | ug/l | # | 96 |
| 73) Isopropylbenzene | 10.963 | 105 | 6314 | 0.828 | ug/l | | 97 |
| 74) N-amyl acetate | 10.848 | 43 | 1921 | 0.665 | ug/l | # | 85 |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83 | 1690 | 0.793 | ug/l | | 93 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 1346m | 0.640 | ug/l | | |
| 77) Bromobenzene | 11.201 | 156 | 1541 | 0.839 | ug/l | | 95 |
| 78) n-propylbenzene | 11.305 | 91 | 7545 | 0.833 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 11.366 | 91 | 4896 | 0.905 | ug/l | | 93 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 5174 | 0.825 | ug/l | | 94 |
| 82) 4-Chlorotoluene | 11.457 | 91 | 5664 | 0.897 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 5507 | 0.850 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 5087 | 0.808 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 6839 | 0.835 | ug/l | | 98 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 6018 | 0.871 | ug/l | | 92 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 3509 | 0.980 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 4003m | 1.089 | ug/l | | |
| 89) n-Butylbenzene | 12.335 | 91 | 6186 | 0.943 | ug/l | | 96 |
| 90) Hexachloroethane | 12.536 | 117 | 1081 | 0.893 | ug/l | | 90 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 3024 | 0.904 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.951 | 75 | 277 | 0.659 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.591 | 180 | 2424 | 1.019 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 1025 | 1.025 | ug/l | | 97 |
| 95) Naphthalene | 13.780 | 128 | 5461 | 0.806 | ug/l | | 96 |
| 96) 1,2,3-Trichlorobenzene | 13.963 | 180 | 1982 | 0.871 | ug/l | | 96 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDICC001

Quant Time: Jun 18 02:42:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 02:34:13 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 129144 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 209541 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 184761 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 91992 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 81629 | 45.697 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 91.400% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 66647 | 48.072 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.140% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 236781 | 47.537 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 95.080% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 88588 | 47.712 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 95.420% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 75554 | 54.798 | ug/l | 100 |
| 3) Chloromethane | 1.307 | 50 | 76483 | 51.393 | ug/l | 99 |
| 4) Vinyl Chloride | 1.386 | 62 | 82156 | 51.768 | ug/l | 95 |
| 5) Bromomethane | 1.618 | 94 | 48957 | 54.831 | ug/l | 96 |
| 6) Chloroethane | 1.703 | 64 | 49931 | 51.911 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 123768 | 51.363 | ug/l | 98 |
| 8) Diethyl Ether | 2.148 | 74 | 42437 | 51.316 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 75525 | 51.089 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 84139 | 45.861 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.959 | 59 | 40385 | 251.888 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 74097 | 51.945 | ug/l | 99 |
| 13) Acrolein | 2.246 | 56 | 59544 | 254.972 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 131610 | 50.922 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 187601 | 260.219 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 146745 | 246.347 | ug/l | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 205516 | 47.710 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 80049 | 52.909 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 226557 | 51.008 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 80668 | 48.696 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 76889 | 50.375 | ug/l | 98 |
| 22) Diisopropyl ether | 3.770 | 45 | 257775 | 51.890 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 1044679 | 264.451 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 142442 | 50.502 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 222870 | 264.542 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 104151 | 50.629 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 89665 | 50.003 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 64330 | 50.308 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 143570 | 263.836 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 144108 | 51.089 | ug/l | 98 |
| 31) Cyclohexane | 5.483 | 56 | 132301 | 49.462 | ug/l | 99 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 123796 | 50.042 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 100241 | 50.088 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 94953 | 51.401 | ug/l | 99 |
| 38) Carbon Tetrachloride | 5.690 | 117 | 109471 | 50.403 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 132086 | 50.155 | ug/l | 97 |
| 40) Benzene | 6.044 | 78 | 304346 | 51.385 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 54501 | 55.341 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.099 | 62 | 106085 | 50.970 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 155773 | 53.888 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 76981 | 51.000 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 74773 | 50.940 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 54149 | 51.329 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 110823 | 51.479 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 79868 | 55.091 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 20314 | 964.253 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 470527 | 272.916 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 188131 | 51.237 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 105435 | 52.785 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 117487 | 51.813 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 70739 | 51.698 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 109612 | 54.266 | ug/l | | 100 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 121649 | 51.625 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 293709 | 279.922 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 326564 | 273.982 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 82234 | 50.997 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 72749 | 52.268 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 62943 | 49.172 | ug/l | | 98 |
| 65) Chlorobenzene | 10.079 | 112 | 203947 | 50.006 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 69709 | 50.856 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.195 | 91 | 359779 | 50.487 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 272935 | 102.789 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 130980 | 52.635 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 227060 | 52.139 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 53660 | 51.404 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 346098 | 51.083 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 138890 | 54.107 | ug/l | | 100 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 98960 | 52.310 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 81355m | 48.286 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 82515 | 50.611 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 412345 | 51.240 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 239904 | 49.931 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 288104 | 51.746 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 29929 | 50.210 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 280848 | 50.085 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 287513 | 49.958 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 286365 | 51.193 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 371523 | 51.079 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 311698 | 50.791 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 154181 | 48.501 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 153158 | 46.906 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 296174 | 50.829 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 52831 | 49.161 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 147561 | 49.672 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 19851 | 53.151 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 104267 | 49.369 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 45958 | 51.729 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 315669 | 52.462 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 103451 | 51.200 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

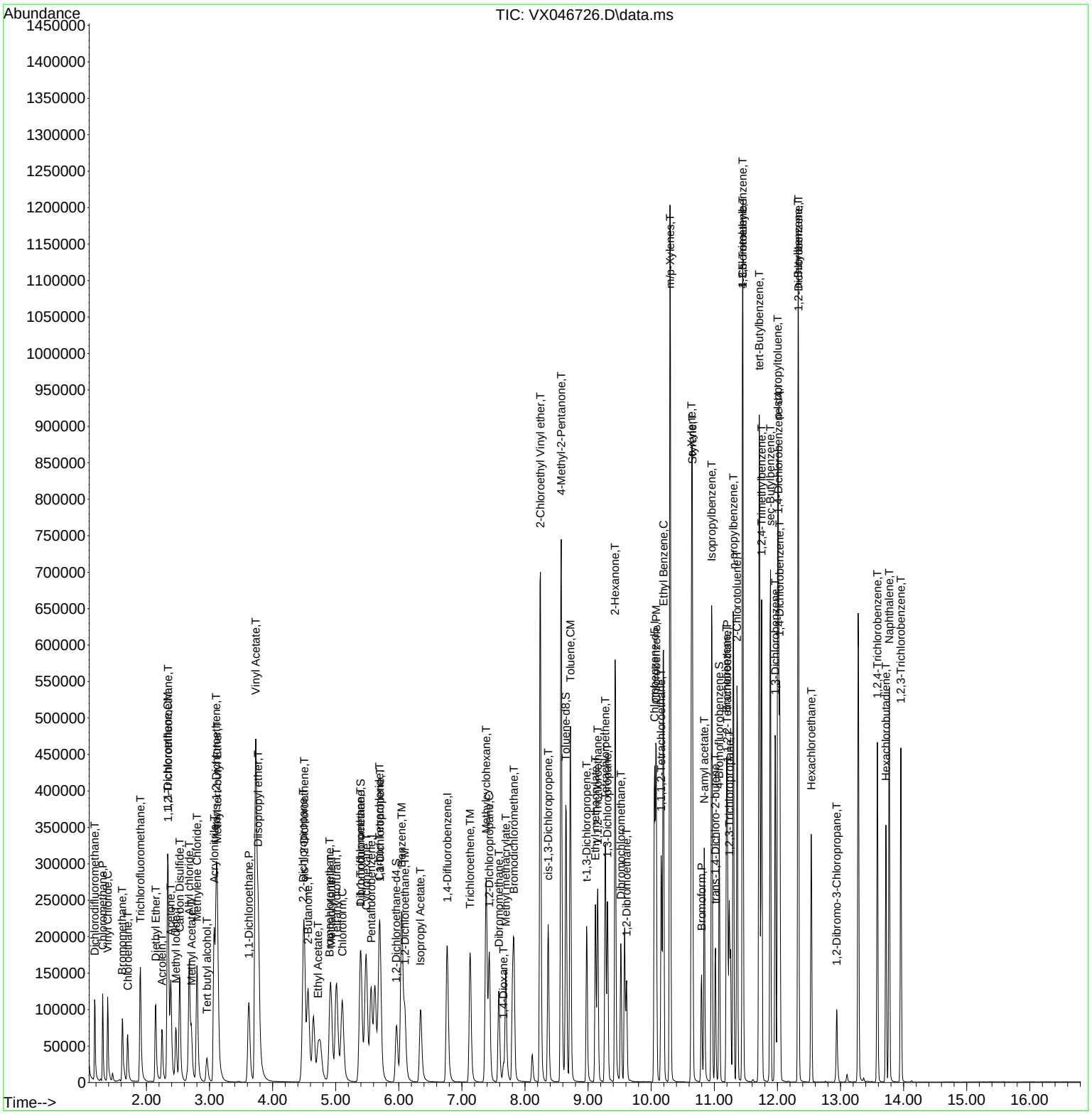
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
ICVVX061725

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.585 | -9.6 | 105 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.592 | -2.8 | 105 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.636 | -3.6# | 105 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.379 | -9.5 | 108 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.387 | -4.0 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.958 | -2.7 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.329 | -2.8 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.585 | -2.3 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.652 | -1.6 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.063 | -1.6 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.574 | -4.0# | 106 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.092 | -2.2 | 111 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 1.019 | -1.8 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.291 | -4.3 | 107 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.227 | 1.7 | 108 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.591 | 4.6 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.620 | -5.8 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.754 | -2.0 | 105 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.625 | 2.5 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.595 | -0.7 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.996 | -3.8 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.618 | -5.8 | 106 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.103 | -1.0 | 106 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.345 | -5.8 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.806 | -1.3 | 111 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.694 | 0.0 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.498 | -0.6 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.222 | -5.2 | 107 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.116 | -2.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 1.024 | 1.2 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.959 | -0.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.632 | 8.7 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.318 | 3.9 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.478 | 0.0 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.453 | -2.7 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.522 | -0.8 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.630 | -0.3 | 103 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.452 | -2.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.260 | -10.6 | 112 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.506 | -1.8 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.743 | -7.7 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.367 | -1.9 | 106 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.357 | -2.0# | 106 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.258 | -2.4 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.529 | -2.9 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.381 | -10.1 | 105 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 0.005 | -25.0 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.130 | 5.0 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.449 | -9.2 | 108 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.898 | -2.5# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.503 | -5.5 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.561 | -3.7 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.338 | -3.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.523 | -8.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.581 | -3.4 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.280 | -12.0 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.312 | -9.9 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.392 | -1.8 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.347 | -4.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.423 | 4.5 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.341 | 1.4 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.104 | 0.0 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.377 | -1.6 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.947 | -0.9# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.739 | -2.8 | 105 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.709 | -5.3 | 106 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.229 | -4.2 | 105 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.290 | -2.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.762 | -2.2 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.510 | -8.2 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 1.076 | -4.7 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.884 | 3.5 | 92 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.897 | -1.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.482 | -2.5 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.608 | 0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 3.132 | -3.5 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.325 | -0.3 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 3.053 | -0.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.125 | 0.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 3.113 | -2.4 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 4.039 | -2.2 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.388 | -1.6 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.676 | 3.0 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.665 | 6.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.220 | -1.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.574 | 1.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.604 | 0.7 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.216 | -6.4 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.133 | 1.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.500 | -3.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 3.431 | -4.9 | 106 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 1.098 | 1.125 | -2.5 | 107 | 0.00 |

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 105 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 54.798 | -9.6 | 105 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 51.393 | -2.8 | 105 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.768 | -3.5# | 105 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.831 | -9.7 | 108 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 51.911 | -3.8 | 107 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 51.363 | -2.7 | 104 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 51.316 | -2.6 | 107 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.089 | -2.2 | 106 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.861 | 8.3 | 104 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 251.888 | -0.8 | 106 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 51.945 | -3.9# | 106 | 0.00 |
| 13 | T | Acrolein | 250.000 | 254.972 | -2.0 | 111 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.922 | -1.8 | 107 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 260.219 | -4.1 | 107 | 0.00 |
| 16 | T | Acetone | 250.000 | 246.347 | 1.5 | 108 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 47.710 | 4.6 | 104 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.909 | -5.8 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 51.008 | -2.0 | 105 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 48.696 | 2.6 | 107 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 50.375 | -0.8 | 106 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.890 | -3.8 | 106 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 264.451 | -5.8 | 106 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 50.502 | -1.0 | 106 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 264.542 | -5.8 | 107 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.629 | -1.3 | 111 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.003 | -0.0 | 106 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 50.308 | -0.6 | 107 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 263.836 | -5.5 | 107 | 0.00 |
| 30 | C | Chloroform | 50.000 | 51.089 | -2.2# | 105 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 49.462 | 1.1 | 106 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.042 | -0.1 | 105 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 45.697 | 8.6 | 102 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 48.072 | 3.9 | 102 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 50.088 | -0.2 | 103 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 51.401 | -2.8 | 108 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 50.403 | -0.8 | 104 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 50.155 | -0.3 | 103 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.385 | -2.8 | 105 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 55.341 | -10.7 | 112 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 50.970 | -1.9 | 105 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 53.888 | -7.8 | 106 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 51.000 | -2.0 | 106 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.940 | -1.9# | 106 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 51.329 | -2.7 | 106 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 51.479 | -3.0 | 104 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 55.091 | -10.2 | 105 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 964.253 | 3.6 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.537 | 4.9 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 272.916 | -9.2 | 108 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.237 | -2.5# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.785 | -5.6 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.813 | -3.6 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.698 | -3.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.266 | -8.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.625 | -3.3 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 279.922 | -12.0 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 273.982 | -9.6 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.997 | -2.0 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.268 | -4.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.712 | 4.6 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.172 | 1.7 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.006 | -0.0 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.856 | -1.7 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.487 | -1.0# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.789 | -2.8 | 105 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.635 | -5.3 | 106 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.139 | -4.3 | 105 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.404 | -2.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.083 | -2.2 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.107 | -8.2 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.310 | -4.6 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.286 | 3.4 | 92 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.611 | -1.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.240 | -2.5 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.931 | 0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.746 | -3.5 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.210 | -0.4 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.085 | -0.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.958 | 0.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.193 | -2.4 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.079 | -2.2 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.791 | -1.6 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.501 | 3.0 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.906 | 6.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.829 | -1.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.161 | 1.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.672 | 0.7 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.151 | -6.3 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.369 | 1.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.729 | -3.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.462 | -4.9 | 106 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 07:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 51.200 | -2.4 | 107 | 0.00 |

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

Raw Data: **VX046728.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Vinyl Chloride | 0.614 | 0.631 | | 2.77 | 20 |
| Chloroethane | 0.372 | 0.378 | | 1.61 | 20 |
| Trichlorofluoromethane | 0.933 | 0.941 | | 0.86 | 20 |
| 1,1-Dichloroethene | 0.552 | 0.558 | | 1.09 | 20 |
| Acrylonitrile | 0.279 | 0.257 | | -7.89 | 20 |
| Acetone | 0.231 | 0.225 | | -2.6 | 20 |
| Carbon Disulfide | 1.668 | 1.541 | | -7.61 | 20 |
| Methylene Chloride | 0.641 | 0.606 | | -5.46 | 20 |
| Vinyl Acetate | 1.529 | 1.492 | | -2.42 | 20 |
| 2-Butanone | 0.326 | 0.284 | | -12.88 | 20 |
| Carbon Tetrachloride | 0.518 | 0.493 | | -4.83 | 20 |
| cis-1,2-Dichloroethene | 0.694 | 0.660 | | -4.9 | 20 |
| Bromochloromethane | 0.495 | 0.530 | | 7.07 | 20 |
| Chloroform | 1.092 | 1.057 | | -3.2 | 20 |
| 1,1,1-Trichloroethane | 0.958 | 0.905 | | -5.53 | 20 |
| Benzene | 1.413 | 1.368 | | -3.18 | 20 |
| 1,2-Dichloropropane | 0.350 | 0.339 | | -3.14 | 20 |
| Dibromomethane | 0.252 | 0.239 | | -5.16 | 20 |
| Bromodichloromethane | 0.514 | 0.499 | | -2.92 | 20 |
| 4-Methyl-2-Pentanone | 0.411 | 0.374 | | -9 | 20 |
| Toluene | 0.876 | 0.844 | | -3.65 | 20 |
| t-1,3-Dichloropropene | 0.477 | 0.472 | | -1.05 | 20 |
| cis-1,3-Dichloropropene | 0.541 | 0.535 | | -1.11 | 20 |
| 2-Hexanone | 0.284 | 0.256 | | -9.86 | 20 |
| Dibromochloromethane | 0.385 | 0.367 | | -4.68 | 20 |
| 1,2-Dibromoethane | 0.332 | 0.316 | | -4.82 | 20 |
| Tetrachloroethene | 0.346 | 0.324 | | -6.36 | 20 |
| Chlorobenzene | 1.104 | 1.038 | 0.3 | -5.98 | 20 |
| 1,1,1,2-Tetrachloroethane | 0.371 | 0.355 | | -4.31 | 20 |
| Ethyl Benzene | 1.929 | 1.848 | | -4.2 | 20 |
| m/p-Xylenes | 0.719 | 0.689 | | -4.17 | 20 |
| o-Xylene | 0.673 | 0.658 | | -2.23 | 20 |
| Styrene | 1.179 | 1.139 | | -3.39 | 20 |
| Bromoform | 0.282 | 0.268 | 0.1 | -4.97 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.028 | 0.964 | 0.3 | -6.23 | 20 |
| 1,2,3-Trichloropropane | 0.916 | 0.901 | | -1.64 | 20 |
| 1,4-Dichlorobenzene | 1.775 | 1.625 | | -8.45 | 20 |
| 1,2-Dichlorobenzene | 1.615 | 1.544 | | -4.4 | 20 |

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

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

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: LOCK01

Lab Code: CHEM Case No.: Q2344 SAS No.: Q2344 SDG No.: Q2344

Instrument ID: MSVOA_X Calibration Date/Time: 06/18/2025 09:33

Lab File ID: VX046728.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 1,2-Dibromo-3-Chloropropane | 0.203 | 0.180 | | -11.33 | 20 |
| 1,2-Dichloroethane-d4 | 0.692 | 0.676 | | -2.31 | 20 |
| Dibromofluoromethane | 0.331 | 0.340 | | 2.72 | 20 |
| Toluene-d8 | 1.189 | 1.202 | | 1.09 | 20 |
| 4-Bromofluorobenzene | 0.443 | 0.443 | | 0 | 20 |
| Methyl Iodide | 0.642 | 0.653 | | 1.71 | 20 |
| trans-1,4-Dichloro-2-butene | 0.324 | 0.297 | | -8.33 | 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\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 153144 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 247293 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 216990 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 104970 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 103522 | 48.871 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 97.740% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 83969 | 51.320 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.640% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 297216 | 50.561 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 101.120% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 109436 | 49.942 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.880% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 87825 | 53.715 | ug/l | 99 |
| 3) Chloromethane | 1.307 | 50 | 89297 | 50.600 | ug/l | 98 |
| 4) Vinyl Chloride | 1.386 | 62 | 96582 | 51.321 | ug/l | 96 |
| 5) Bromomethane | 1.617 | 94 | 57643 | 54.442 | ug/l | 96 |
| 6) Chloroethane | 1.703 | 64 | 57854 | 50.722 | ug/l | 97 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 144094 | 50.427 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 49001 | 49.967 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 89694 | 51.165 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 99988 | 45.950 | ug/l | 99 |
| 11) Tert butyl alcohol | 2.953 | 59 | 37552 | 197.513 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 85474 | 50.530 | ug/l | 97 |
| 13) Acrolein | 2.245 | 56 | 67813 | 244.874 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 148825 | 48.559 | ug/l | 100 |
| 15) Acrylonitrile | 3.068 | 53 | 197165 | 230.626 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 172637 | 244.395 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 236030 | 46.207 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 80342 | 44.781 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 247062 | 46.907 | ug/l | 97 |
| 20) Methylene Chloride | 2.800 | 84 | 92732 | 47.205 | ug/l | 99 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 87048 | 48.093 | ug/l | 99 |
| 22) Diisopropyl ether | 3.763 | 45 | 289920 | 49.215 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 1142249 | 243.835 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 161335 | 48.236 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 217618 | 217.827 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 122642 | 50.275 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 101031 | 47.512 | ug/l | 99 |
| 28) Bromochloromethane | 4.903 | 49 | 81116 | 53.494 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 141562 | 219.377 | ug/l | 100 |
| 30) Chloroform | 5.099 | 83 | 161817 | 48.377 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 148538 | 46.830 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 138647 | 47.262 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 114107 | 48.312 | ug/l | 100 |
| 37) Ethyl Acetate | 4.714 | 43 | 96161 | 44.108 | ug/l | 100 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 121848 | 47.537 | ug/l | 95 |
| 39) Methylcyclohexane | 7.379 | 83 | 150437 | 48.402 | ug/l | 99 |
| 40) Benzene | 6.043 | 78 | 338410 | 48.414 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 57085 | 49.115 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 116628 | 47.481 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.342 | 43 | 157598 | 46.196 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 85692 | 48.105 | ug/l | | 96 |
| 45) 1,2-Dichloropropane | 7.433 | 63 | 83732 | 48.335 | ug/l | | 96 |
| 46) Dibromomethane | 7.580 | 93 | 59103 | 47.472 | ug/l | | 100 |
| 47) Bromodichloromethane | 7.824 | 83 | 123442 | 48.587 | ug/l | | 100 |
| 48) Methyl methacrylate | 7.696 | 41 | 80965 | 47.322 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.653 | 88 | 20224 | 817.840 | ug/l | | 97 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 462115 | 227.118 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 208762 | 48.176 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 116724 | 49.516 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 132187 | 49.396 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 76422 | 47.325 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 112902 | 47.362 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 128820 | 46.323 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 319370 | 257.912 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 316244 | 224.819 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 90703 | 47.662 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 78054 | 47.518 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.275 | 164 | 70305 | 46.765 | ug/l | | 99 |
| 65) Chlorobenzene | 10.079 | 112 | 225160 | 47.007 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 76955 | 47.803 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 401054 | 47.920 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 299077 | 95.905 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 142872 | 48.886 | ug/l | | 99 |
| 70) Styrene | 10.652 | 104 | 247158 | 48.325 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 58162 | 47.441 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.957 | 105 | 382718 | 49.504 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 141644 | 48.357 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 101190 | 46.876 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 94587m | 49.199 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 90654 | 48.728 | ug/l | | 98 |
| 78) n-propylbenzene | 11.305 | 91 | 454356 | 49.480 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 264018 | 48.156 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 313670 | 49.373 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 31219 | 45.899 | ug/l | | 96 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 310790 | 48.572 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 321103 | 48.896 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 313812 | 49.164 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 409901 | 49.388 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 340046 | 48.559 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 169284 | 46.668 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 170550 | 45.774 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 326557 | 49.115 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 58749 | 47.909 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 162062 | 47.808 | ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 18854 | 44.240 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 112879 | 46.839 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 50342 | 49.658 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 321689 | 46.852 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 110625 | 47.981 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

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

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

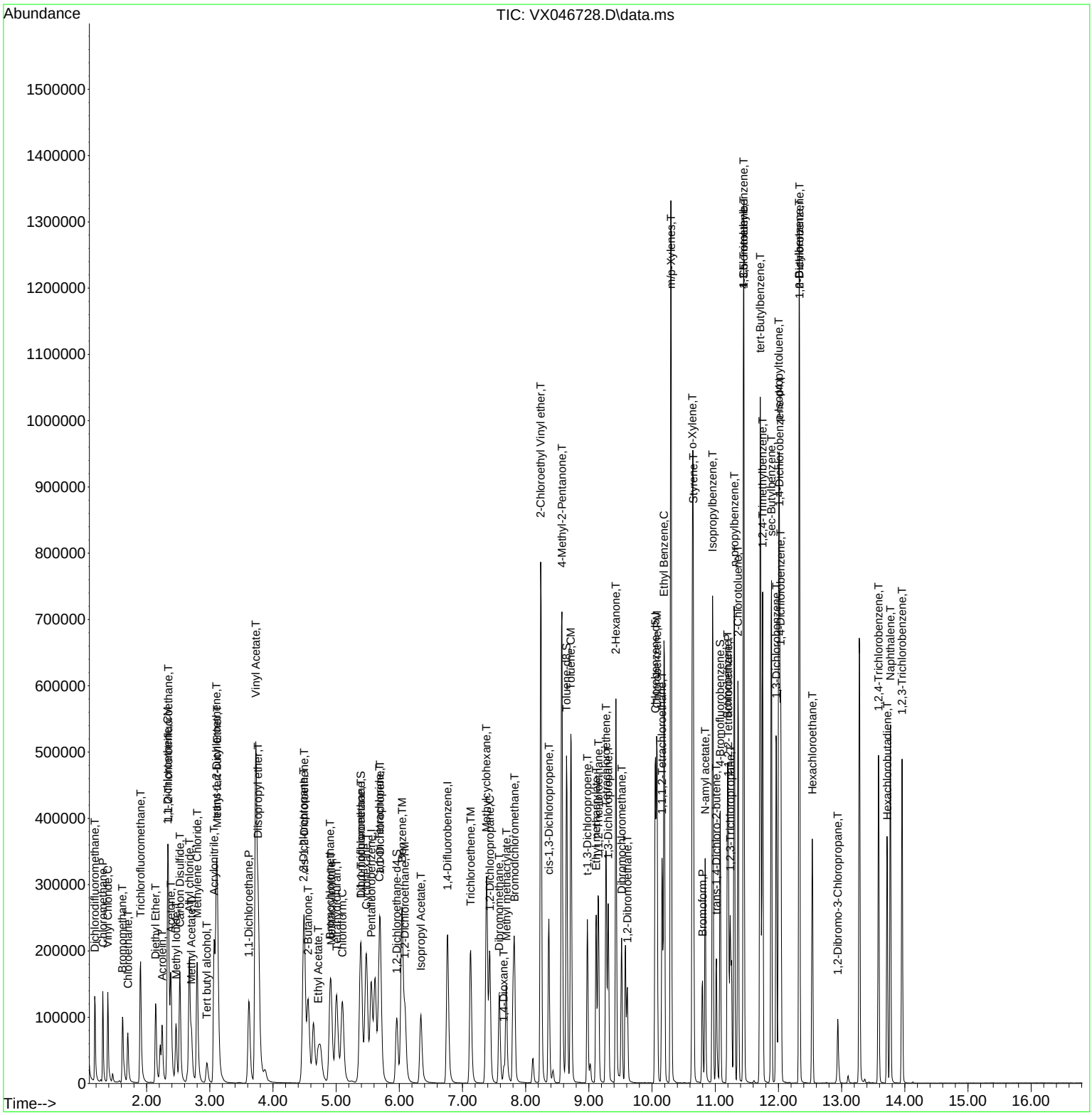
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025



Sample Results: **VX046728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 124 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.573 | -7.3 | 122 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.583 | -1.2 | 122 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.631 | -2.8# | 123 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.376 | -8.7 | 127 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.378 | -1.6 | 124 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.941 | -0.9 | 121 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.320 | 0.0 | 123 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.586 | -2.4 | 126 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.653 | -1.7 | 124 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.049 | 21.0 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.558 | -1.1# | 122 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.089 | 1.1 | 126 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 0.972 | 2.9 | 121 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.257 | 7.9 | 112 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.225 | 2.6 | 127 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.541 | 7.6 | 120 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.525 | 10.4 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.613 | 6.2 | 114 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.606 | 5.5 | 123 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.568 | 3.9 | 120 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.893 | 1.6 | 119 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.492 | 2.4 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.053 | 3.6 | 120 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.284 | 12.9 | 104 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.801 | -0.6 | 131 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.660 | 4.9 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.530 | -7.1 | 136 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.185 | 12.3 | 106 | 0.00 |
| 30 | C | Chloroform | 1.092 | 1.057 | 3.2# | 118 | 0.00 |
| 31 | T | Cyclohexane | 1.036 | 0.970 | 6.4 | 119 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.905 | 5.5 | 118 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.676 | 2.3 | 129 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.340 | -2.7 | 128 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.461 | 3.6 | 117 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.389 | 11.8 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.493 | 4.8 | 116 | 0.00 |
| 39 | T | Methylcyclohexane | 0.628 | 0.608 | 3.2 | 117 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.368 | 3.2 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.231 | 1.7 | 117 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.472 | 5.0 | 115 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.637 | 7.7 | 108 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.347 | 3.6 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.339 | 3.1# | 118 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.239 | 5.2 | 115 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.499 | 2.9 | 116 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.327 | 5.5 | 107 | 0.00 |

Sample Results: **VX046728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.202 | -1.1 | 127 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.374 | 9.0 | 106 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.844 | 3.7# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.472 | 1.0 | 117 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.535 | 1.1 | 118 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.309 | 5.5 | 115 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.457 | 5.2 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.521 | 7.3 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.258 | -3.2 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.256 | 9.9 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.367 | 4.7 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.316 | 4.8 | 114 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.443 | 0.0 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.324 | 6.4 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.038 | 6.0 | 115 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.355 | 4.3 | 115 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.848 | 4.2# | 116 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.689 | 4.2 | 115 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.658 | 2.2 | 115 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.139 | 3.4 | 114 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.268 | 5.0 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 118 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.646 | 1.0 | 115 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.349 | 3.3 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 0.964 | 6.2 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.901 | 1.6 | 107 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.864 | 2.5 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.328 | 1.1 | 115 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.515 | 3.7 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 2.988 | 1.3 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.297 | 8.3 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 2.961 | 2.9 | 115 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.059 | 2.2 | 116 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 2.990 | 1.6 | 115 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 3.905 | 1.2 | 115 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.239 | 2.9 | 114 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.613 | 6.7 | 113 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.625 | 8.5 | 116 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.111 | 1.8 | 116 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.560 | 4.1 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.544 | 4.4 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.180 | 11.3 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.075 | 6.4 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.480 | 0.6 | 118 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 3.065 | 6.3 | 108 | 0.00 |

Sample Results: **VX046728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 1.098 | 1.054 | 4.0 | 115 | 0.00 |

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

Sample Results: **VX046728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 124 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 53.715 | -7.4 | 122 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 50.600 | -1.2 | 122 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.321 | -2.6# | 123 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.442 | -8.9 | 127 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 50.722 | -1.4 | 124 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 50.427 | -0.9 | 121 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.967 | 0.1 | 123 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 51.165 | -2.3 | 126 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 45.950 | 8.1 | 124 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 197.513 | 21.0 | 98 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.530 | -1.1# | 122 | 0.00 |
| 13 | T | Acrolein | 250.000 | 244.874 | 2.1 | 126 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 48.559 | 2.9 | 121 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 230.626 | 7.7 | 112 | 0.00 |
| 16 | T | Acetone | 250.000 | 244.395 | 2.2 | 127 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 46.207 | 7.6 | 120 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.781 | 10.4 | 112 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 46.907 | 6.2 | 114 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.205 | 5.6 | 123 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 48.093 | 3.8 | 120 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 49.215 | 1.6 | 119 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 243.835 | 2.5 | 116 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 48.236 | 3.5 | 120 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 217.827 | 12.9 | 104 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.275 | -0.5 | 131 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.512 | 5.0 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 53.494 | -7.0 | 136 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 219.377 | 12.2 | 106 | 0.00 |
| 30 | C | Chloroform | 50.000 | 48.377 | 3.2# | 118 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 46.830 | 6.3 | 119 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 47.262 | 5.5 | 118 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 48.871 | 2.3 | 129 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 51.320 | -2.6 | 128 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 48.312 | 3.4 | 117 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 44.108 | 11.8 | 109 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 47.537 | 4.9 | 116 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 48.402 | 3.2 | 117 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.414 | 3.2 | 117 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 49.115 | 1.8 | 117 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 47.481 | 5.0 | 115 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 46.196 | 7.6 | 108 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.105 | 3.8 | 118 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.335 | 3.3# | 118 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.472 | 5.1 | 115 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 48.587 | 2.8 | 116 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 47.322 | 5.4 | 107 | 0.00 |

Sample Results: **VX046728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 817.840 | 18.2 | 102 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 50.561 | -1.1 | 127 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 227.118 | 9.2 | 106 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.176 | 3.6# | 115 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 49.516 | 1.0 | 117 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.396 | 1.2 | 118 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.325 | 5.3 | 115 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 47.362 | 5.3 | 109 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.323 | 7.4 | 112 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 257.912 | -3.2 | 111 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 224.819 | 10.1 | 104 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 47.662 | 4.7 | 114 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 47.518 | 5.0 | 114 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 49.942 | 0.1 | 126 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 121 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 46.765 | 6.5 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 47.007 | 6.0 | 115 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 47.803 | 4.4 | 115 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 47.920 | 4.2# | 116 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 95.905 | 4.1 | 115 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 48.886 | 2.2 | 115 | 0.00 |
| 70 | T | Styrene | 50.000 | 48.325 | 3.3 | 114 | 0.00 |
| 71 | P | Bromoform | 50.000 | 47.441 | 5.1 | 113 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 118 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 49.504 | 1.0 | 115 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 48.357 | 3.3 | 108 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 46.876 | 6.2 | 109 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 49.199 | 1.6 | 107 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 48.728 | 2.5 | 114 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.480 | 1.0 | 115 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 48.156 | 3.7 | 115 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 49.373 | 1.3 | 115 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 45.899 | 8.2 | 113 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.572 | 2.9 | 115 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.896 | 2.2 | 116 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 49.164 | 1.7 | 115 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 49.388 | 1.2 | 115 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 48.559 | 2.9 | 114 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.668 | 6.7 | 113 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.774 | 8.5 | 116 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 49.115 | 1.8 | 116 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 47.909 | 4.2 | 113 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.808 | 4.4 | 114 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 44.240 | 11.5 | 101 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 46.839 | 6.3 | 112 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 49.658 | 0.7 | 118 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 46.852 | 6.3 | 108 | 0.00 |

Sample Results: **VX046728.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046728.D
Acq On : 18 Jun 2025 09:33
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**LabSampleId :**
VSTDCCC050

Quant Time: Jun 19 01:18:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 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 | 47.981 | 4.0 | 115 | 0.00 |

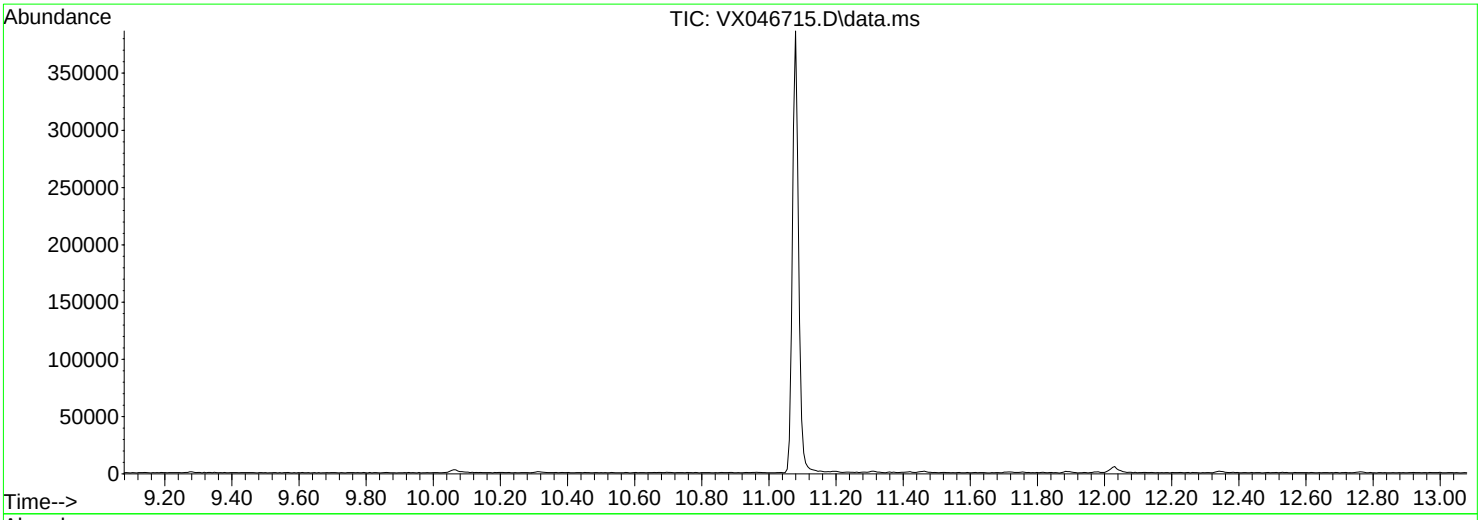
(#) = Out of Range SPCC's out = 0 CCC's out = 6

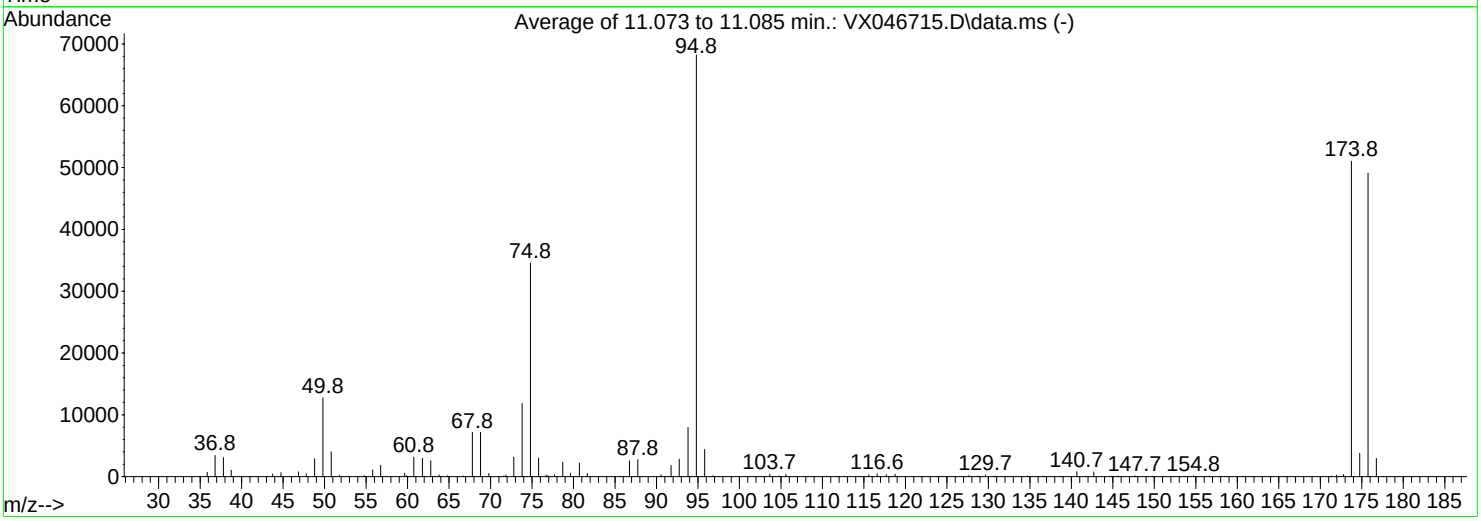
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046715.D
Acq On : 17 Jun 2025 08:46
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.7 | 12764 | PASS |
| 75 | 95 | 30 | 60 | 50.7 | 34573 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 68235 | PASS |
| 96 | 95 | 5 | 9 | 6.5 | 4402 | PASS |
| 173 | 174 | 0.00 | 2 | 0.7 | 374 | PASS |
| 174 | 95 | 50 | 100 | 74.8 | 51016 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 3785 | PASS |
| 176 | 174 | 95 | 101 | 96.2 | 49101 | PASS |
| 177 | 176 | 5 | 9 | 6.0 | 2956 | PASS |

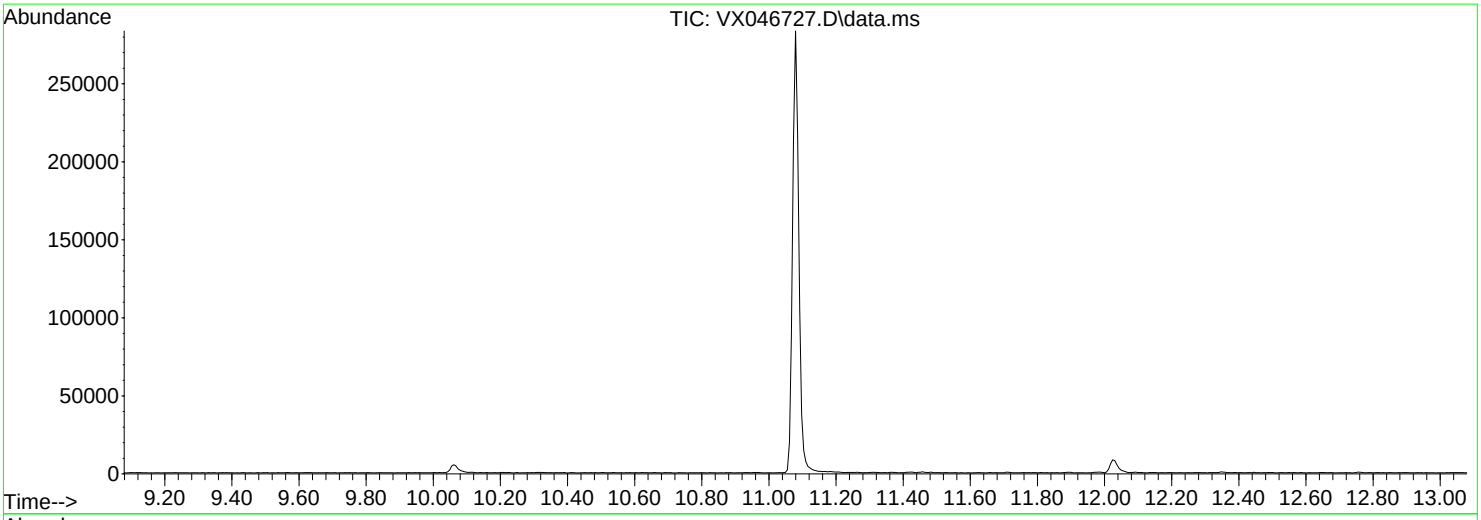
Sample Results: **VX046727.D**

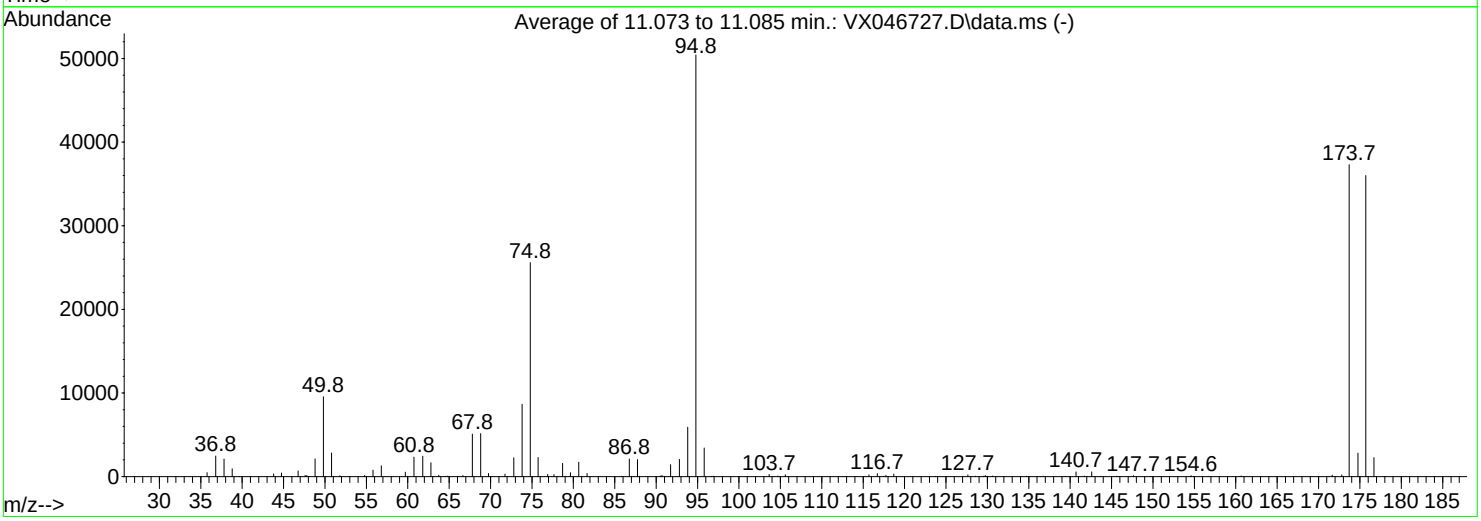
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046727.D
Acq On : 18 Jun 2025 08:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260
Last Update : Wed Jun 18 03:09:16 2025




AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.9 | 9538 | PASS |
| 75 | 95 | 30 | 60 | 50.8 | 25608 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 50435 | PASS |
| 96 | 95 | 5 | 9 | 6.8 | 3435 | PASS |
| 173 | 174 | 0.00 | 2 | 0.6 | 216 | PASS |
| 174 | 95 | 50 | 100 | 74.0 | 37317 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 2809 | PASS |
| 176 | 174 | 95 | 101 | 96.5 | 36000 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 2277 | PASS |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | |
| Project: | Ansonia Landfill 2025 | Date Received: | |
| Client Sample ID: | VX0618WBL01 | SDG No.: | Q2344 |
| Lab Sample ID: | VX0618WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046730.D | 1 | | 06/18/25 10:45 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 0.83 | U | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 0.66 | U | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |

Raw Data: **VX046730.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | |
| Project: | Ansonia Landfill 2025 | Date Received: | |
| Client Sample ID: | VX0618WBL01 | SDG No.: | Q2344 |
| Lab Sample ID: | VX0618WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046730.D | 1 | | 06/18/25 10:45 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 0.83 | U | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 0.84 | U | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.5 | | 74 - 125 | 91% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.8 | | 75 - 124 | 98% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.4 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.6 | | 77 - 121 | 101% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 167000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 271000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 242000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 121000 | 12.018 | | | |

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\VX061825\
Data File : VX046730.D
Acq On : 18 Jun 2025 10:45
Operator : JC/MD
Sample : VX0618WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Quant Time: Jun 19 01:19:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

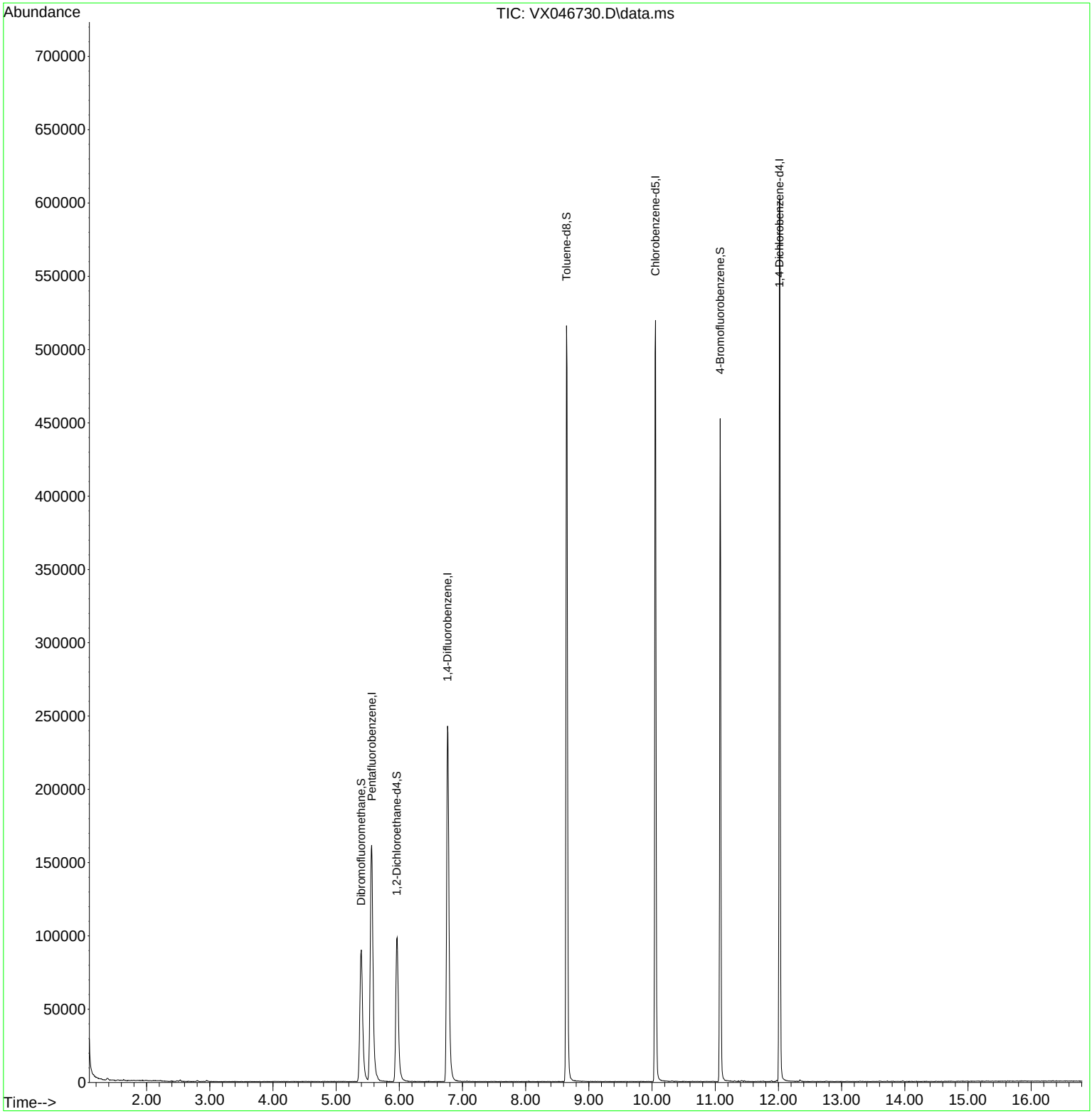
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 167417 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 270618 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 242123 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 121135 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 105292 | 45.469 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.940% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 87372 | 48.798 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 97.600% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 317817 | 49.405 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.820% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 121434 | 50.641 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 101.280% | | | |
| Target Compounds | | | | | | Qvalue |

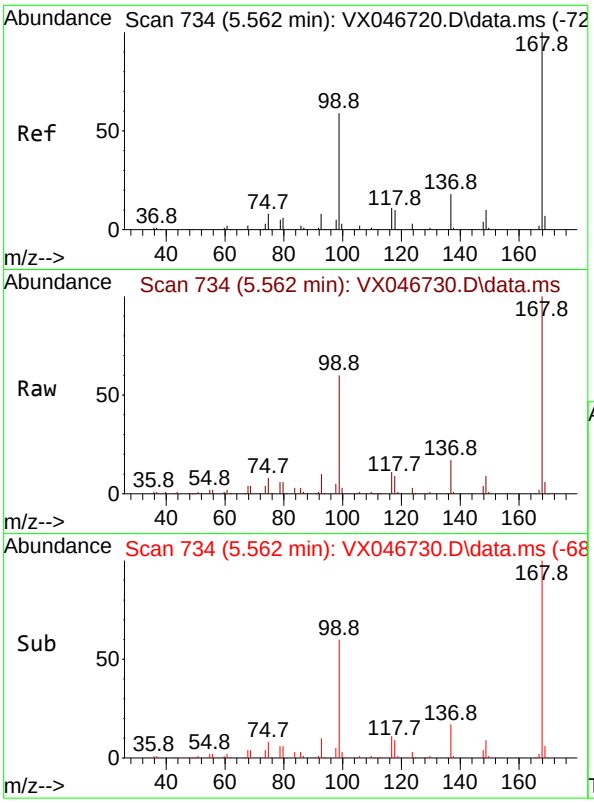
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046730.D
Acq On : 18 Jun 2025 10:45
Operator : JC/MD
Sample : VX0618WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Quant Time: Jun 19 01:19:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



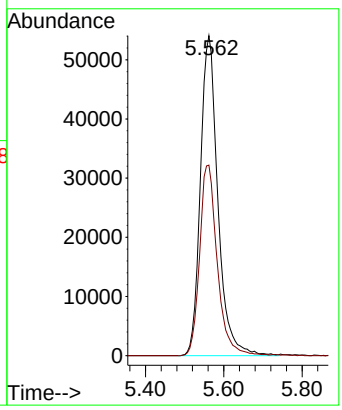


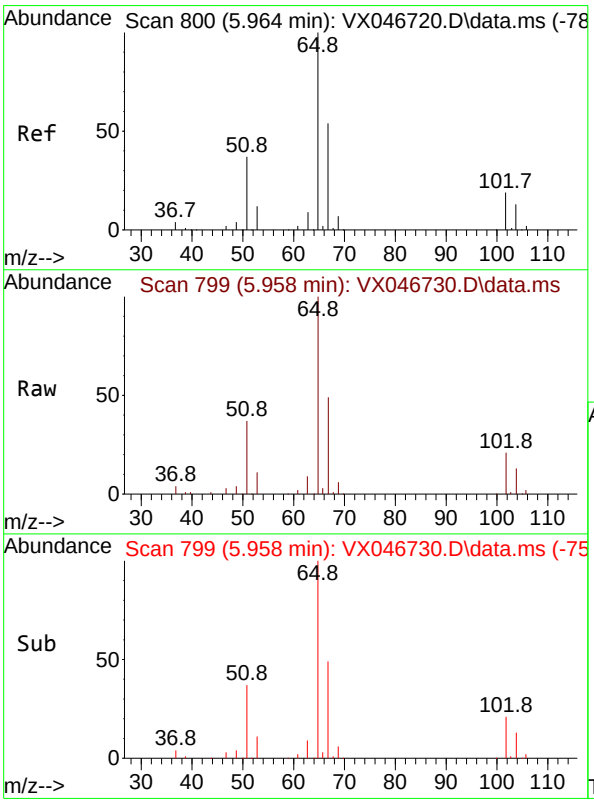

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion:168 Resp: 167417

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.6 | 48.5 | 72.7 |

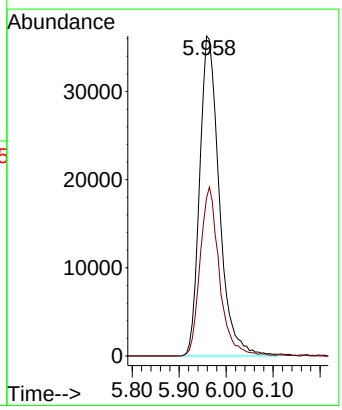


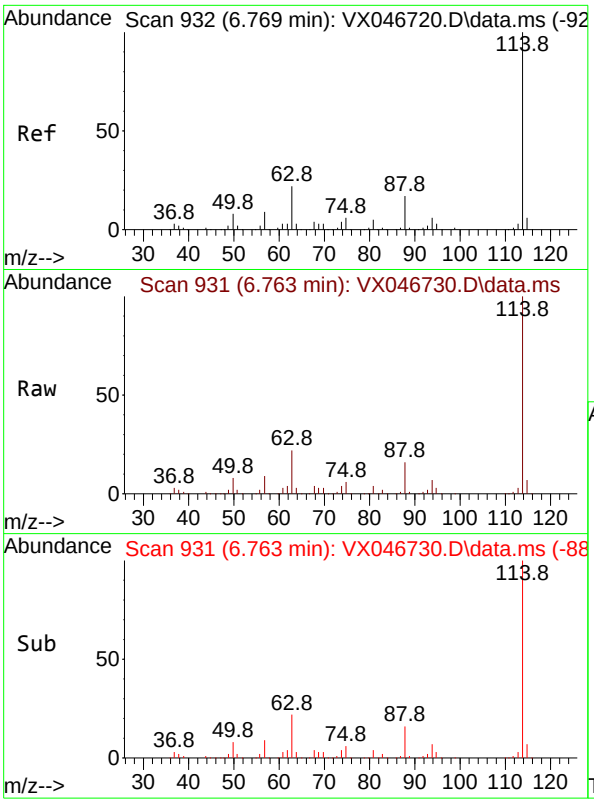




#33
1,2-Dichloroethane-d4
Concen: 45.469 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion: 65 Resp: 105292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 105.4 |



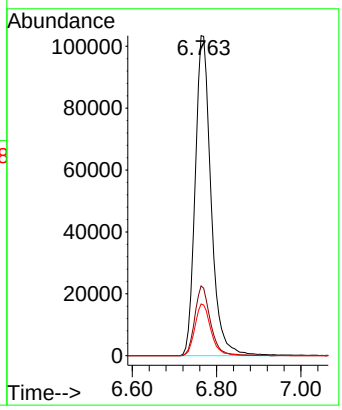


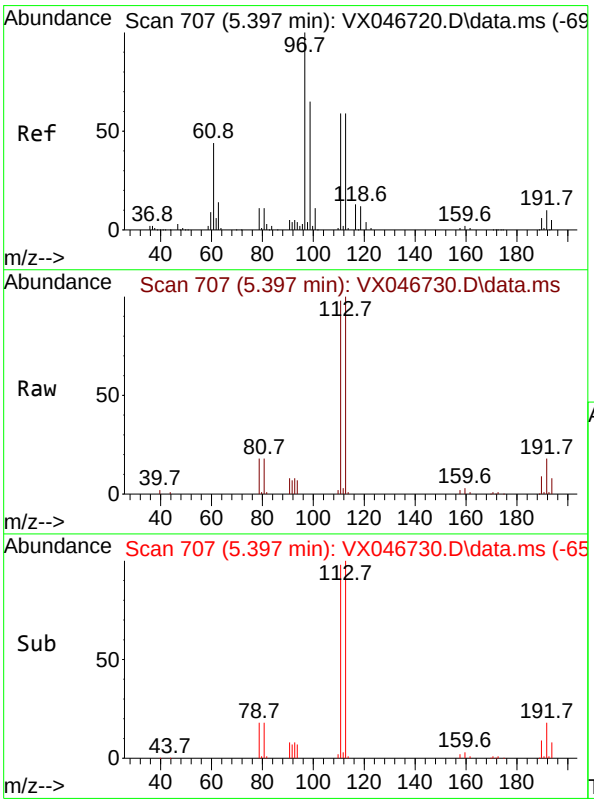

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion:114 Resp: 270618

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.8 | 0.0 | 44.2 |
| 88 | 16.1 | 0.0 | 33.2 |

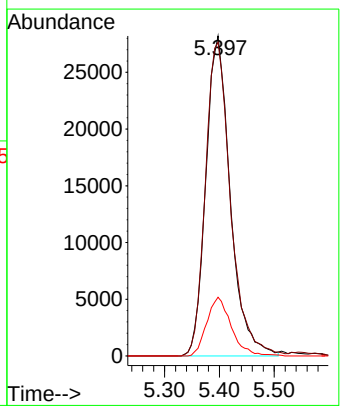


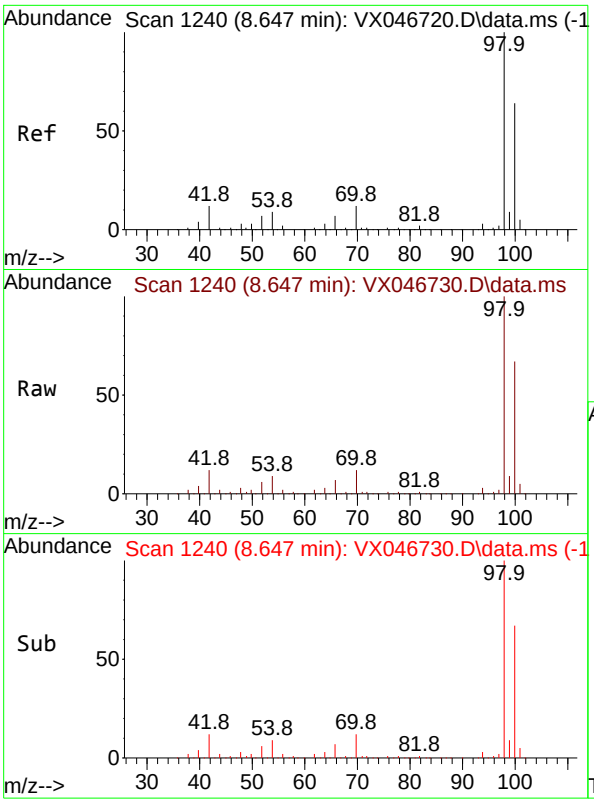




#35
Dibromofluoromethane
Concen: 48.798 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion:113 Resp: 87372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.8 | 82.0 | 123.0 |
| 192 | 18.4 | 15.3 | 22.9 |



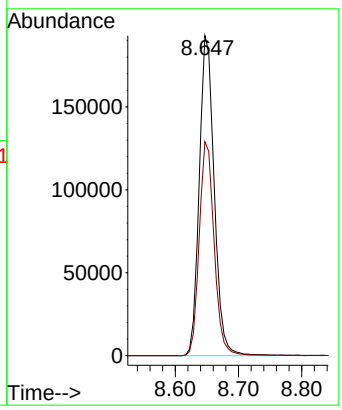


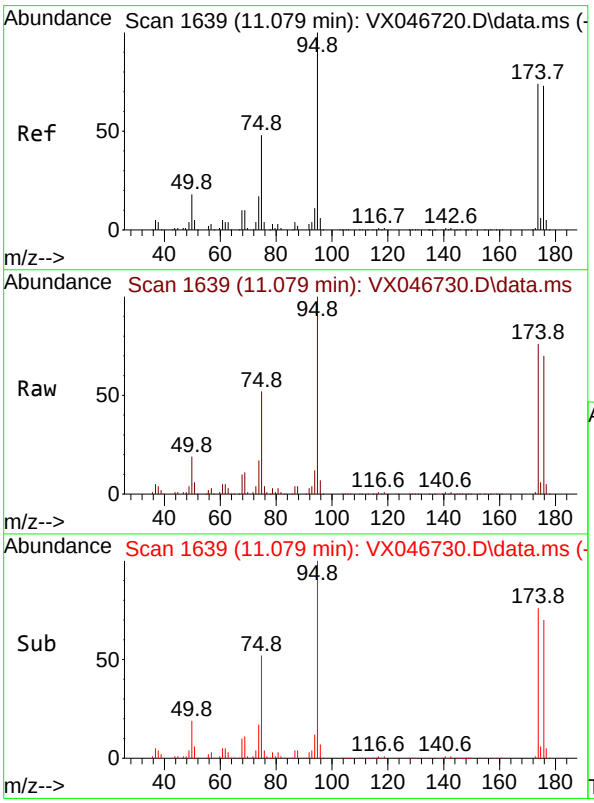

#50
Toluene-d8
Concen: 49.405 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion: 98 Resp: 317817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.9 | 53.0 | 79.4 |

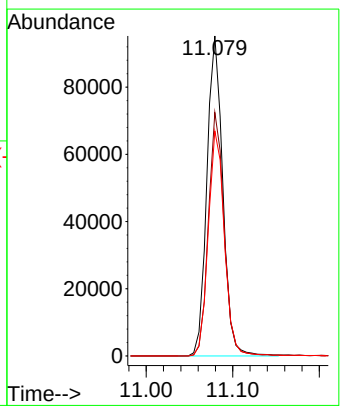


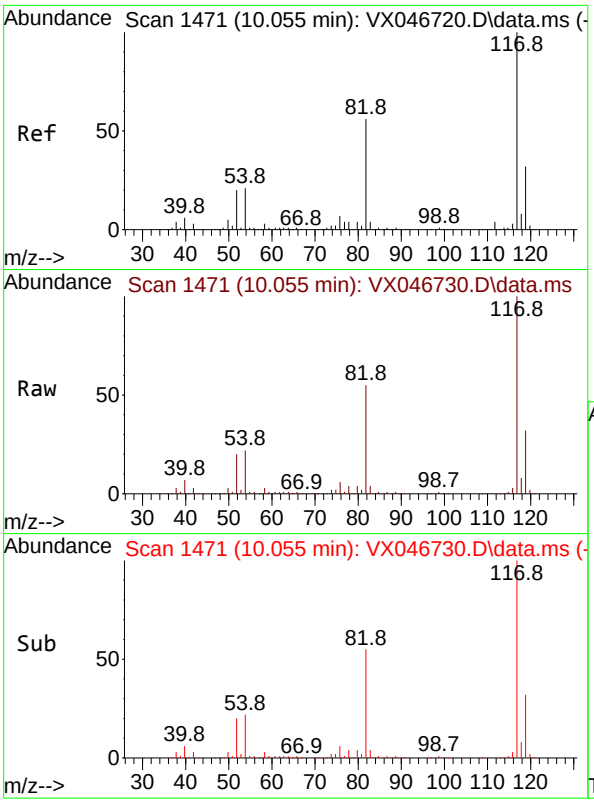




#62
4-Bromofluorobenzene
Concen: 50.641 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion: 95 Resp: 121434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 75.6 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 145.0 |



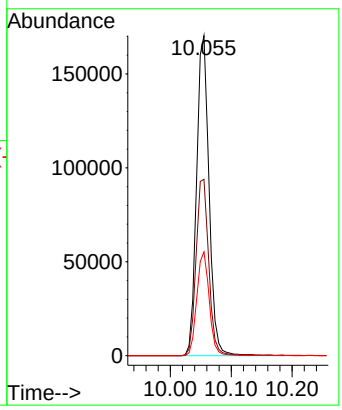


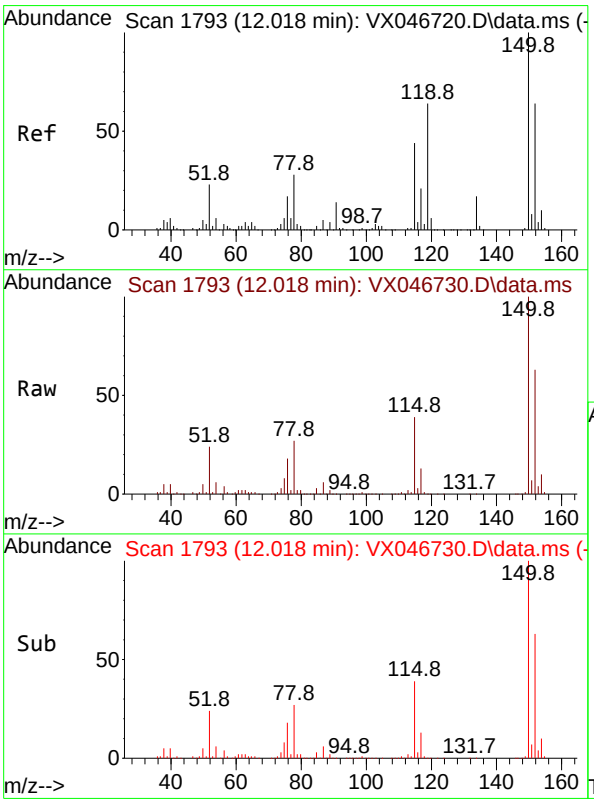

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBL01

Tgt Ion:117 Resp: 242123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.1 | 44.6 | 66.8 |
| 119 | 32.5 | 25.8 | 38.8 |

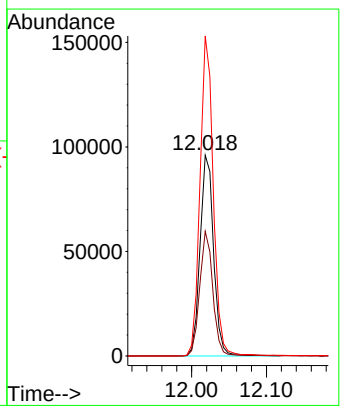



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046730.D
Acq: 18 Jun 2025 10:45

Tgt Ion:152 Resp: 121135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.3 | 43.2 | 129.6 |
| 150 | 155.5 | 0.0 | 346.8 |



Raw Data: **VX046731.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | |
| Project: | Ansonia Landfill 2025 | Date Received: | |
| Client Sample ID: | VX0618WBS01 | SDG No.: | Q2344 |
| Lab Sample ID: | VX0618WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046731.D | 1 | | 06/18/25 11:07 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 19.2 | | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 19.2 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.2 | | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.7 | | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 89.1 | | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 89.9 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.4 | | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.2 | | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 92.7 | | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 89.9 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.4 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 18.8 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 22.0 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 18.9 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.8 | | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 18.8 | | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 18.5 | | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 18.8 | | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 18.7 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 91.3 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.1 | | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 18.3 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.4 | | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 92.2 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.8 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 19.1 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.1 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 18.3 | | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 18.6 | | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.3 | | 0.13 | 1.00 | ug/L |

Raw Data: **VX046731.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | |
| Project: | Ansonia Landfill 2025 | Date Received: | |
| Client Sample ID: | VX0618WBS01 | SDG No.: | Q2344 |
| Lab Sample ID: | VX0618WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046731.D | 1 | | 06/18/25 11:07 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 56.3 | | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 18.8 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 17.9 | | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 17.6 | | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 17.9 | | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.1 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 17.8 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 16.3 | | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 18.3 | | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 15.9 | | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.7 | | 74 - 125 | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.5 | | 75 - 124 | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.3 | | 86 - 113 | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 53.9 | | 77 - 121 | 108% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 156000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 258000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 234000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 122000 | 12.018 | | | |

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\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 156160 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 258286 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 234034 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 121898 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 107357 | 49.703 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.400% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 86297 | 50.499 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.000% | | | |
| 50) Toluene-d8 | 8.653 | 98 | 315181 | 51.335 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 102.660% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 123307 | 53.877 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 107.760% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 32855 | 19.707 | ug/l | 97 |
| 3) Chloromethane | 1.307 | 50 | 34478 | 19.159 | ug/l | 100 |
| 4) Vinyl Chloride | 1.386 | 62 | 36804 | 19.179 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 23617 | 21.875 | ug/l | 95 |
| 6) Chloroethane | 1.703 | 64 | 22373 | 19.236 | ug/l | 99 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 55899 | 19.184 | ug/l | 98 |
| 8) Diethyl Ether | 2.142 | 74 | 18908 | 18.908 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 34125 | 19.090 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 34275 | 18.324 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.953 | 59 | 15315 | 78.997 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 32329 | 18.743 | ug/l | 94 |
| 13) Acrolein | 2.245 | 56 | 23404 | 82.880 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 56826 | 18.183 | ug/l | 99 |
| 15) Acrylonitrile | 3.075 | 53 | 77636 | 89.058 | ug/l | 98 |
| 16) Acetone | 2.386 | 43 | 64756 | 89.902 | ug/l | 97 |
| 17) Carbon Disulfide | 2.526 | 76 | 90862 | 17.444 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 32677 | 17.862 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 96927 | 18.047 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 36406 | 18.175 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 34031 | 18.439 | ug/l | 99 |
| 22) Diisopropyl ether | 3.770 | 45 | 115948 | 19.302 | ug/l | 99 |
| 23) Vinyl Acetate | 3.733 | 43 | 442736 | 92.685 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 63885 | 18.731 | ug/l | 100 |
| 25) 2-Butanone | 4.562 | 43 | 91591 | 89.908 | ug/l | 96 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 47652 | 19.157 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 40662 | 18.753 | ug/l | 99 |
| 28) Bromochloromethane | 4.910 | 49 | 33976 | 21.974 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.013 | 42 | 59051 | 89.743 | ug/l | 99 |
| 30) Chloroform | 5.105 | 83 | 64462 | 18.899 | ug/l | 98 |
| 31) Cyclohexane | 5.477 | 56 | 60903 | 18.830 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 56117 | 18.760 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 45886 | 18.601 | ug/l | 99 |
| 37) Ethyl Acetate | 4.727 | 43 | 36646 | 16.094 | ug/l # | 95 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 49192 | 18.375 | ug/l | 98 |
| 39) Methylcyclohexane | 7.385 | 83 | 60470 | 18.628 | ug/l | 98 |
| 40) Benzene | 6.050 | 78 | 137579 | 18.845 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.934 | 41 | 22309 | 18.378 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 48245 | 18.805 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.348 | 43 | 64595 | 18.129 | ug/l | | 99 |
| 44) Trichloroethene | 7.135 | 130 | 34115 | 18.336 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 33537 | 18.535 | ug/l | | 98 |
| 46) Dibromomethane | 7.586 | 93 | 24500 | 18.841 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 49606 | 18.694 | ug/l | | 97 |
| 48) Methyl methacrylate | 7.696 | 41 | 32385 | 18.122 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 8212 | 335.186 | ug/l | | 92 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 194118 | 91.344 | ug/l | | 99 |
| 52) Toluene | 8.720 | 92 | 86400 | 19.090 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 44965 | 18.263 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 51349 | 18.372 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 31497 | 18.674 | ug/l | | 96 |
| 56) Ethyl methacrylate | 9.116 | 69 | 46060 | 18.500 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 54758 | 18.853 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.244 | 63 | 130389 | 100.816 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 135469 | 92.207 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 37303 | 18.767 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 32821 | 19.131 | ug/l | | 98 |
| 64) Tetrachloroethene | 9.275 | 164 | 29423 | 18.146 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 94744 | 18.339 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131 | 32350 | 18.632 | ug/l | | 100 |
| 67) Ethyl Benzene | 10.195 | 91 | 165227 | 18.304 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 125249 | 37.239 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 60319 | 19.136 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 103726 | 18.804 | ug/l | | 100 |
| 71) Bromoform | 10.799 | 173 | 23678 | 17.907 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.963 | 105 | 161068 | 17.941 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 58929 | 17.325 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 44152 | 17.613 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 40073m | 17.949 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 38841 | 17.979 | ug/l | | 99 |
| 78) n-propylbenzene | 11.305 | 91 | 192217 | 18.026 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 113441 | 17.818 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 133755 | 18.130 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12597 | 15.949 | ug/l | | 99 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 131603 | 17.712 | ug/l | | 98 |
| 83) tert-Butylbenzene | 11.713 | 119 | 135643 | 17.787 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 134740 | 18.178 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.890 | 105 | 173686 | 18.021 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 146235 | 17.983 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 72321 | 17.169 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 73790 | 17.054 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 137335 | 17.787 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 24540 | 17.233 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 70063 | 17.798 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8079 | 16.324 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 48663 | 17.388 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 21242 | 18.044 | ug/l | | 98 |
| 95) Naphthalene | 13.774 | 128 | 136183 | 17.080 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 46661 | 17.428 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

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

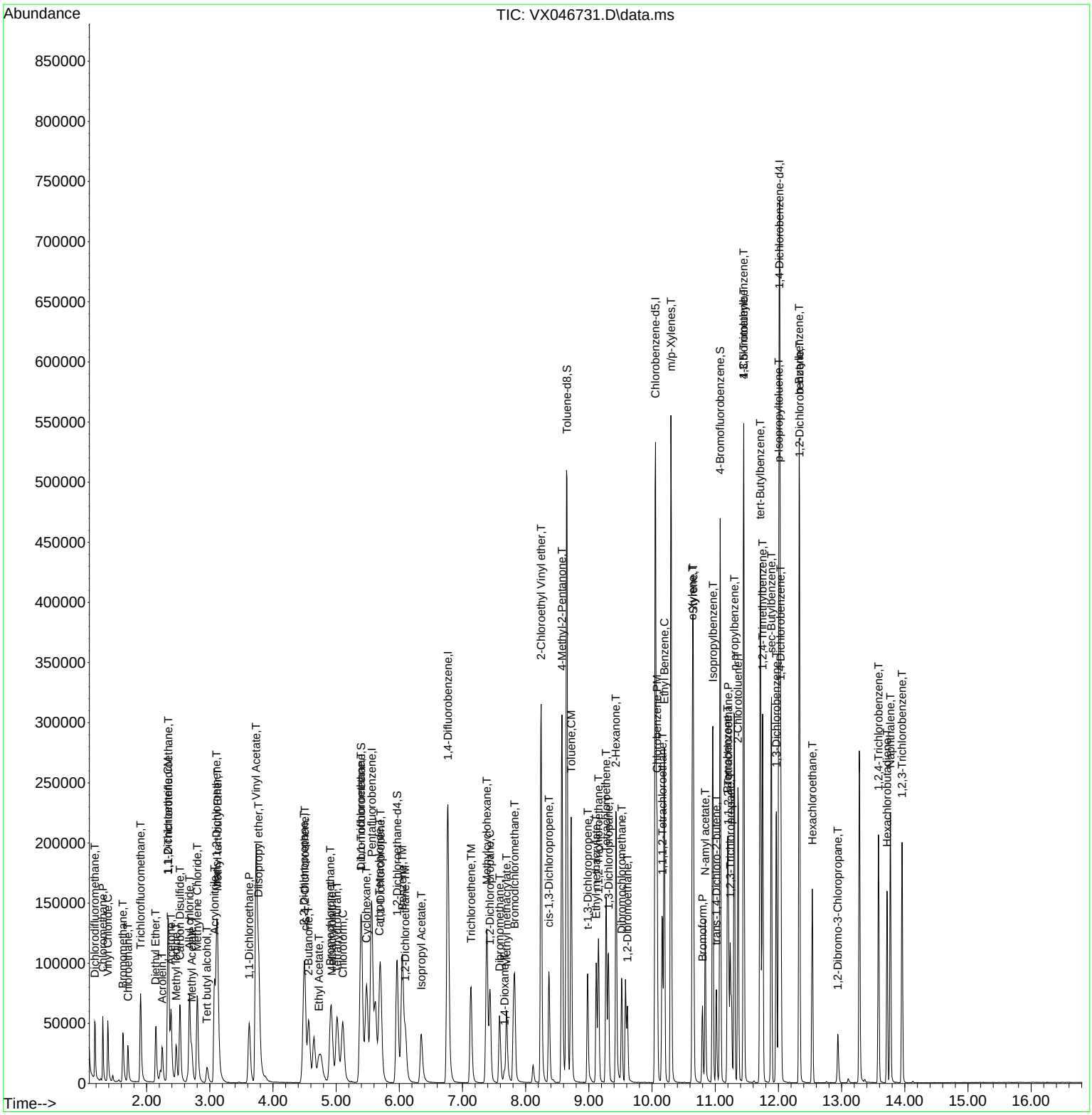
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046731.D
Acq On : 18 Jun 2025 11:07
Operator : JC/MD
Sample : VX0618WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 01:20:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025



Raw Data: **VX046732.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | |
| Project: | Ansonia Landfill 2025 | Date Received: | |
| Client Sample ID: | VX0618WBSD01 | SDG No.: | Q2344 |
| Lab Sample ID: | VX0618WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046732.D | 1 | | 06/18/25 11:29 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-01-4 | Vinyl Chloride | 18.3 | | 0.26 | 1.00 | ug/L |
| 75-00-3 | Chloroethane | 19.8 | | 0.47 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 18.8 | | 0.33 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.7 | | 0.23 | 1.00 | ug/L |
| 107-13-1 | Acrylonitrile | 95.1 | | 0.83 | 5.00 | ug/L |
| 67-64-1 | Acetone | 90.2 | | 1.50 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 17.1 | | 0.21 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.5 | | 0.28 | 1.00 | ug/L |
| 108-05-4 | Vinyl Acetate | 96.7 | | 0.66 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 95.2 | | 0.98 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.5 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 18.9 | | 0.19 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 23.2 | | 0.22 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.4 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.7 | | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.2 | | 0.15 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 19.3 | | 0.20 | 1.00 | ug/L |
| 74-95-3 | Dibromomethane | 19.5 | | 0.25 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 19.8 | | 0.22 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 99.8 | | 0.68 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.4 | | 0.14 | 1.00 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 19.1 | | 0.17 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.2 | | 0.16 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 99.0 | | 0.89 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 19.7 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 19.6 | | 0.15 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.4 | | 0.23 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 18.7 | | 0.12 | 1.00 | ug/L |
| 630-20-6 | 1,1,1,2-Tetrachloroethane | 18.8 | | 0.19 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.5 | | 0.13 | 1.00 | ug/L |

Raw Data: **VX046732.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Lockwood, Kessler & Bartlett, Inc. | Date Collected: | |
| Project: | Ansonia Landfill 2025 | Date Received: | |
| Client Sample ID: | VX0618WBSD01 | SDG No.: | Q2344 |
| Lab Sample ID: | VX0618WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group1 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VX046732.D | 1 | | 06/18/25 11:29 | VX061825 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 1330-20-7 | Total Xylenes | 57.3 | | 0.36 | 3.00 | ug/L |
| 100-42-5 | Styrene | 19.1 | | 0.15 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 18.7 | | 0.19 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 18.8 | | 0.26 | 1.00 | ug/L |
| 96-18-4 | 1,2,3-Trichloropropane | 19.3 | | 0.35 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.8 | | 0.19 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 18.6 | | 0.16 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 18.0 | | 0.53 | 1.00 | ug/L |
| 74-88-4 | Methyl Iodide | 19.0 | | 0.83 | 5.00 | ug/L |
| 110-57-6 | trans-1,4-Dichloro-2-butene | 17.2 | | 0.84 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 50.0 | | 74 - 125 | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.7 | | 75 - 124 | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 51.6 | | 86 - 113 | 103% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 54.8 | | 77 - 121 | 110% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 144000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 237000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 218000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 112000 | 12.018 | | | |

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

Sample Results: **VX046732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046732.D
Acq On : 18 Jun 2025 11:29
Operator : JC/MD
Sample : VX0618WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 01:21:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 143671 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 237031 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 217627 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 112227 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 99370 | 50.004 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 100.000% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 79532 | 50.713 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 101.420% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 290720 | 51.597 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 103.200% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 115010 | 54.758 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 109.520% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 28867 | 18.820 | ug/l | 98 |
| 3) Chloromethane | 1.307 | 50 | 31560 | 19.062 | ug/l | 95 |
| 4) Vinyl Chloride | 1.386 | 62 | 32369 | 18.334 | ug/l | 94 |
| 5) Bromomethane | 1.624 | 94 | 21377 | 21.521 | ug/l | 99 |
| 6) Chloroethane | 1.703 | 64 | 21136 | 19.752 | ug/l | 93 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 50345 | 18.780 | ug/l | 100 |
| 8) Diethyl Ether | 2.148 | 74 | 17118 | 18.606 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 30968 | 18.830 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 33151 | 19.041 | ug/l | 100 |
| 11) Tert butyl alcohol | 2.959 | 59 | 14692 | 82.371 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 29742 | 18.742 | ug/l | 96 |
| 13) Acrolein | 2.246 | 56 | 22501 | 86.609 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 53312 | 18.542 | ug/l | 100 |
| 15) Acrylonitrile | 3.075 | 53 | 76235 | 95.052 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 59789 | 90.221 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 82175 | 17.148 | ug/l | 98 |
| 18) Methyl Acetate | 2.715 | 43 | 31652 | 18.805 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 92521 | 18.724 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 34010 | 18.454 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 31742 | 18.694 | ug/l | 98 |
| 22) Diisopropyl ether | 3.770 | 45 | 109177 | 19.755 | ug/l | 98 |
| 23) Vinyl Acetate | 3.733 | 43 | 424786 | 96.658 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.623 | 63 | 58371 | 18.602 | ug/l | 99 |
| 25) 2-Butanone | 4.562 | 43 | 89207 | 95.180 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 43533 | 19.022 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.507 | 96 | 37667 | 18.882 | ug/l | 98 |
| 28) Bromochloromethane | 4.904 | 49 | 32942 | 23.157 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.013 | 42 | 58344 | 96.377 | ug/l | 98 |
| 30) Chloroform | 5.105 | 83 | 60720 | 19.350 | ug/l | 98 |
| 31) Cyclohexane | 5.483 | 56 | 55444 | 18.633 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 51541 | 18.728 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 41172 | 18.187 | ug/l | 96 |
| 37) Ethyl Acetate | 4.727 | 43 | 32807 | 15.700 | ug/l # | 96 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 45398 | 18.478 | ug/l | 100 |
| 39) Methylcyclohexane | 7.385 | 83 | 55788 | 18.727 | ug/l | 97 |
| 40) Benzene | 6.050 | 78 | 128420 | 19.167 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046732.D
Acq On : 18 Jun 2025 11:29
Operator : JC/MD
Sample : VX0618WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 01:21:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 21390 | 19.201 | ug/l | | 99 |
| 42) 1,2-Dichloroethane | 6.099 | 62 | 45281 | 19.233 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.349 | 43 | 63119 | 19.303 | ug/l | | 100 |
| 44) Trichloroethene | 7.135 | 130 | 32290 | 18.911 | ug/l | | 91 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 32025 | 19.287 | ug/l | | 94 |
| 46) Dibromomethane | 7.586 | 93 | 23282 | 19.510 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.824 | 83 | 48176 | 19.783 | ug/l | | 96 |
| 48) Methyl methacrylate | 7.696 | 41 | 32599 | 19.878 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.665 | 88 | 8185 | 361.614 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 8.574 | 43 | 194557 | 99.760 | ug/l | | 98 |
| 52) Toluene | 8.720 | 92 | 80560 | 19.396 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.982 | 75 | 43165 | 19.104 | ug/l | | 98 |
| 54) cis-1,3-Dichloropropene | 8.373 | 75 | 49338 | 19.235 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.153 | 97 | 31024 | 20.043 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.116 | 69 | 45175 | 19.771 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.311 | 76 | 53005 | 19.885 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.245 | 63 | 126159 | 106.292 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 133520 | 99.030 | ug/l | | 99 |
| 60) Dibromochloromethane | 9.519 | 129 | 35850 | 19.654 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 30935 | 19.648 | ug/l | | 97 |
| 64) Tetrachloroethene | 9.275 | 164 | 27728 | 18.390 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 89658 | 18.663 | ug/l | | 97 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 30360 | 18.804 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.195 | 91 | 155654 | 18.544 | ug/l | | 98 |
| 68) m/p-Xylenes | 10.299 | 106 | 118373 | 37.847 | ug/l | | 99 |
| 69) o-Xylene | 10.640 | 106 | 57120 | 19.487 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 97983 | 19.102 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 22950 | 18.665 | ug/l | # | 99 |
| 73) Isopropylbenzene | 10.964 | 105 | 150553 | 18.215 | ug/l | | 99 |
| 74) N-amyl acetate | 10.842 | 43 | 56993 | 18.199 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 43433 | 18.819 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 39612m | 19.272 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 37441 | 18.824 | ug/l | | 100 |
| 78) n-propylbenzene | 11.305 | 91 | 180901 | 18.427 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 107476 | 18.336 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 126358 | 18.603 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 12498 | 17.187 | ug/l | | 100 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 125018 | 18.275 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 127909 | 18.218 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 125952 | 18.457 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 164310 | 18.517 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 137909 | 18.420 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 69661 | 17.962 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 71029 | 17.831 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 130323 | 18.333 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 22843 | 17.424 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 67411 | 18.600 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 8197 | 17.990 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 45811 | 17.780 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 19968 | 18.423 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 133059 | 18.126 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 45854 | 18.602 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046732.D
Acq On : 18 Jun 2025 11:29
Operator : JC/MD
Sample : VX0618WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025

Quant Time: Jun 19 01:21:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

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

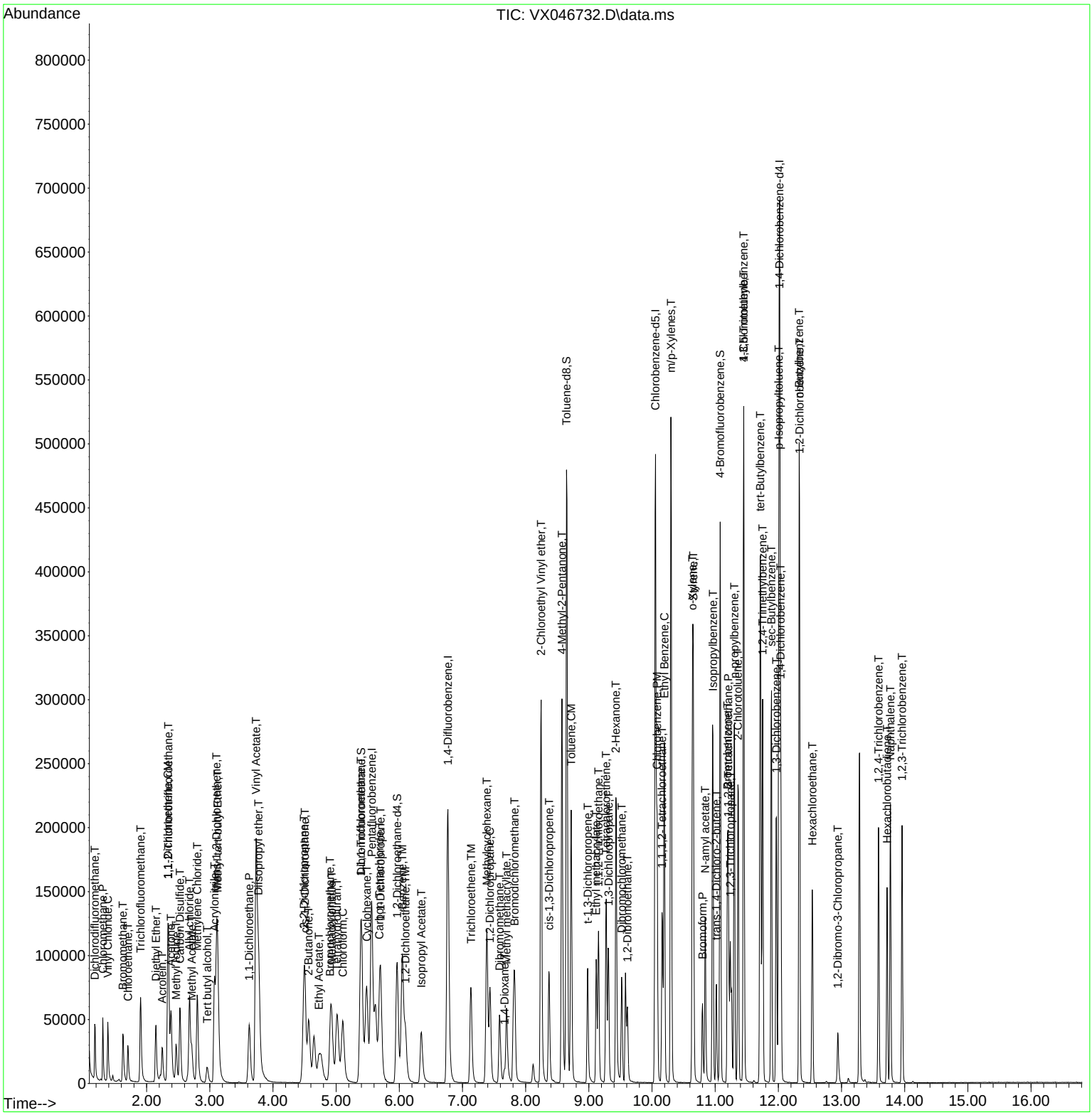
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
Data File : VX046732.D
Acq On : 18 Jun 2025 11:29
Operator : JC/MD
Sample : VX0618WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 01:21:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0618WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 06/19/2025
Supervised By :Mahesh Dadoda 06/21/2025



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

# Manual Integration Report

| Sequence: | vx061725 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VX046718.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:26:54 PM | MMDadoda | 6/18/2025 6:21:14 PM | Peak Integrated by Software |
| VSTDICC020 | VX046719.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:04 PM | MMDadoda | 6/18/2025 6:21:20 PM | Peak Integrated by Software |
| VSTDICCC050 | VX046720.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:12 PM | MMDadoda | 6/18/2025 6:21:32 PM | Peak Integrated by Software |
| VSTDICC100 | VX046721.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:20 PM | MMDadoda | 6/18/2025 6:21:40 PM | Peak Integrated by Software |
| VSTDICC150 | VX046722.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:27 PM | MMDadoda | 6/18/2025 6:21:48 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | 1,4-Dichlorobenzene | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | 2,2-Dichloropropane | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | Chloroform | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | Ethyl Acetate | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICC001 | VX046725.D | Methacrylonitrile | Sam | 6/18/2025 5:27:40 PM | MMDadoda | 6/18/2025 6:22:02 PM | Peak Integrated by Software |
| VSTDICV050 | VX046726.D | 1,2,3-Trichloropropane | Sam | 6/18/2025 5:27:47 PM | MMDadoda | 6/18/2025 6:22:09 PM | Peak Integrated by Software |

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

# Manual Integration Report

| | | | |
|---|---|---|---|
| Sequence: | vx061725 | Instrument | MSVOA_x |

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|

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

# Manual Integration Report

| Sequence: | vx061825 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046728.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:44:37 AM | MMdadoda | 6/21/2025 12:14:53 AM | Peak Integrated by Software |
| VX0618WBS01 | VX046731.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:44:42 AM | MMdadoda | 6/21/2025 12:14:58 AM | Peak Integrated by Software |
| VX0618WBSD01 | VX046732.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:44:46 AM | MMdadoda | 6/21/2025 12:15:03 AM | Peak Integrated by Software |
| VSTDCCC050 | VX046756.D | 1,2,3-Trichloropropane | JOHN | 6/19/2025 8:45:35 AM | MMdadoda | 6/21/2025 12:15:20 AM | Peak Integrated by Software |

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

**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 6/18/2025 5:28:16 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/18/2025 6:22:48 PM | | |
| SubDirectory | VX061725 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134389 |
| Initial Calibration Stds | VP134390,VP134391,VP134392,VP134393,VP134394,VP134395 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP134396 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046715.D | 17 Jun 2025 08:46 | JC/MD | Ok |
| 2 | VSTDICC001 | VX046716.D | 17 Jun 2025 10:09 | JC/MD | Not Ok |
| 3 | VSTDICC001 | VX046717.D | 17 Jun 2025 10:58 | JC/MD | ReRun |
| 4 | VSTDICC005 | VX046718.D | 17 Jun 2025 11:19 | JC/MD | Ok,M |
| 5 | VSTDICC020 | VX046719.D | 17 Jun 2025 13:59 | JC/MD | Ok,M |
| 6 | VSTDICCC050 | VX046720.D | 17 Jun 2025 14:20 | JC/MD | Ok,M |
| 7 | VSTDICC100 | VX046721.D | 17 Jun 2025 14:41 | JC/MD | Ok,M |
| 8 | VSTDICC150 | VX046722.D | 17 Jun 2025 15:02 | JC/MD | Ok,M |
| 9 | IBLK | VX046723.D | 17 Jun 2025 15:23 | JC/MD | Ok |
| 10 | VSTDICC001 | VX046724.D | 17 Jun 2025 16:20 | JC/MD | Not Ok |
| 11 | VSTDICC001 | VX046725.D | 17 Jun 2025 17:18 | JC/MD | Ok,M |
| 12 | VSTDICV050 | VX046726.D | 17 Jun 2025 18:00 | JC/MD | Ok,M |

M : Manual Integration

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

**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | | HP Processing Method | 82X061725W.M | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| 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 | VX046727.D | 18 Jun 2025 08:59 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046728.D | 18 Jun 2025 09:33 | JC/MD | Ok,M |
| 3 | VX0618MBL01 | VX046729.D | 18 Jun 2025 10:22 | JC/MD | Ok |
| 4 | VX0618WBL01 | VX046730.D | 18 Jun 2025 10:45 | JC/MD | Ok |
| 5 | VX0618WBS01 | VX046731.D | 18 Jun 2025 11:07 | JC/MD | Ok,M |
| 6 | VX0618WBSD01 | VX046732.D | 18 Jun 2025 11:29 | JC/MD | Ok,M |
| 7 | Q2345-01 | VX046733.D | 18 Jun 2025 11:50 | JC/MD | ReRun |
| 8 | Q2345-02 | VX046734.D | 18 Jun 2025 12:12 | JC/MD | Ok |
| 9 | Q2345-03 | VX046735.D | 18 Jun 2025 12:33 | JC/MD | Ok |
| 10 | Q2345-04 | VX046736.D | 18 Jun 2025 12:54 | JC/MD | Ok |
| 11 | Q2345-05 | VX046737.D | 18 Jun 2025 13:15 | JC/MD | Ok |
| 12 | Q2345-06 | VX046738.D | 18 Jun 2025 13:37 | JC/MD | Ok |
| 13 | Q2345-07 | VX046739.D | 18 Jun 2025 13:58 | JC/MD | Ok |
| 14 | Q2345-10 | VX046740.D | 18 Jun 2025 14:20 | JC/MD | Ok |
| 15 | Q2345-11 | VX046741.D | 18 Jun 2025 14:41 | JC/MD | Ok |
| 16 | Q2345-12 | VX046742.D | 18 Jun 2025 15:03 | JC/MD | Ok |
| 17 | Q2345-13 | VX046743.D | 18 Jun 2025 15:24 | JC/MD | Ok |
| 18 | Q2345-14 | VX046744.D | 18 Jun 2025 15:46 | JC/MD | Ok |
| 19 | Q2345-15 | VX046745.D | 18 Jun 2025 16:07 | JC/MD | Ok |
| 20 | Q2345-16 | VX046746.D | 18 Jun 2025 16:29 | JC/MD | Ok |
| 21 | Q2345-17 | VX046747.D | 18 Jun 2025 16:50 | JC/MD | Ok |

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**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | | HP Processing Method | 82X061725W.M | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2344-09 | VX046748.D | 18 Jun 2025 17:12 | JC/MD | Ok |
| 23 | Q2344-01 | VX046749.D | 18 Jun 2025 17:34 | JC/MD | Ok |
| 24 | Q2344-03 | VX046750.D | 18 Jun 2025 17:55 | JC/MD | Ok |
| 25 | Q2344-05 | VX046751.D | 18 Jun 2025 18:16 | JC/MD | Ok |
| 26 | Q2344-07 | VX046752.D | 18 Jun 2025 18:37 | JC/MD | Ok |
| 27 | Q2345-08MS | VX046753.D | 18 Jun 2025 18:58 | JC/MD | Ok,M |
| 28 | Q2345-09MSD | VX046754.D | 18 Jun 2025 19:19 | JC/MD | Ok,M |
| 29 | VIBLK | VX046755.D | 18 Jun 2025 19:40 | JC/MD | Ok |
| 30 | VSTDCCC050 | VX046756.D | 18 Jun 2025 20:01 | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061725

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|---|---|---|---|---|---|
| Review By | Semsettin Yesilyurt | Review On | 6/18/2025 5:28:16 PM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/18/2025 6:22:48 PM | | |
| SubDirectory | VX061725 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134389 |
| Initial Calibration Stds | VP134390,VP134391,VP134392,VP134393,VP134394,VP134395 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP134396 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046715.D | 17 Jun 2025 08:46 | | JC/MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VX046716.D | 17 Jun 2025 10:09 | RRF check | JC/MD | Not Ok |
| 3 | VSTDICC001 | VSTDICC001 | VX046717.D | 17 Jun 2025 10:58 | low response | JC/MD | ReRun |
| 4 | VSTDICC005 | VSTDICC005 | VX046718.D | 17 Jun 2025 11:19 | | JC/MD | Ok,M |
| 5 | VSTDICC020 | VSTDICC020 | VX046719.D | 17 Jun 2025 13:59 | LR- 10,49 | JC/MD | Ok,M |
| 6 | VSTDICCC050 | VSTDICCC050 | VX046720.D | 17 Jun 2025 14:20 | | JC/MD | Ok,M |
| 7 | VSTDICC100 | VSTDICC100 | VX046721.D | 17 Jun 2025 14:41 | | JC/MD | Ok,M |
| 8 | VSTDICC150 | VSTDICC150 | VX046722.D | 17 Jun 2025 15:02 | | JC/MD | Ok,M |
| 9 | IBLK | IBLK | VX046723.D | 17 Jun 2025 15:23 | | JC/MD | Ok |
| 10 | VSTDICC001 | VSTDICC001 | VX046724.D | 17 Jun 2025 16:20 | spike error | JC/MD | Not Ok |
| 11 | VSTDICC001 | VSTDICC001 | VX046725.D | 17 Jun 2025 17:18 | | JC/MD | Ok,M |
| 12 | VSTDICV050 | ICVVX061725 | VX046726.D | 17 Jun 2025 18:00 | | JC/MD | Ok,M |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VX046727.D | 18 Jun 2025 08:59 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046728.D | 18 Jun 2025 09:33 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0618MBL01 | VX0618MBL01 | VX046729.D | 18 Jun 2025 10:22 | | JC/MD | Ok |
| 4 | VX0618WBL01 | VX0618WBL01 | VX046730.D | 18 Jun 2025 10:45 | | JC/MD | Ok |
| 5 | VX0618WBS01 | VX0618WBS01 | VX046731.D | 18 Jun 2025 11:07 | | JC/MD | Ok,M |
| 6 | VX0618WBSD01 | VX0618WBSD01 | VX046732.D | 18 Jun 2025 11:29 | vial A pH<2 | JC/MD | Ok,M |
| 7 | Q2345-01 | EB02-20250616 | VX046733.D | 18 Jun 2025 11:50 | vial A pH<2 EB;Hit of com.#16,20 | JC/MD | ReRun |
| 8 | Q2345-02 | TB03-20250616 | VX046734.D | 18 Jun 2025 12:12 | vial A pH<2 TB | JC/MD | Ok |
| 9 | Q2345-03 | BPOW6-1-20250616 | VX046735.D | 18 Jun 2025 12:33 | vial A pH<2 | JC/MD | Ok |
| 10 | Q2345-04 | BPOW6-2-20250616 | VX046736.D | 18 Jun 2025 12:54 | vial A pH<2 | JC/MD | Ok |
| 11 | Q2345-05 | DUP05-20250616 | VX046737.D | 18 Jun 2025 13:15 | vial A pH<2 | JC/MD | Ok |
| 12 | Q2345-06 | BPOW6-3-20250616 | VX046738.D | 18 Jun 2025 13:37 | vial A pH<2 | JC/MD | Ok |
| 13 | Q2345-07 | BPOW6-5-20250616 | VX046739.D | 18 Jun 2025 13:58 | vial A pH<2 | JC/MD | Ok |
| 14 | Q2345-10 | BPOW6-6-20250616 | VX046740.D | 18 Jun 2025 14:20 | vial A pH<2 | JC/MD | Ok |
| 15 | Q2345-11 | BPOW6-10-20250616 | VX046741.D | 18 Jun 2025 14:41 | vial A pH<2 | JC/MD | Ok |
| 16 | Q2345-12 | BPOW6-9-20250616 | VX046742.D | 18 Jun 2025 15:03 | vial A pH<2 | JC/MD | Ok |
| 17 | Q2345-13 | TT189D2-20250617 | VX046743.D | 18 Jun 2025 15:24 | vial A pH<2 | JC/MD | Ok |

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX061825

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 6/19/2025 8:52:59 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 6/21/2025 12:15:31 AM | | |
| SubDirectory | VX061825 | HP Acquire Method | MSVOA_X | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134413 |
| Initial Calibration Stds | |
| CCC | VP134416,VP134417 |
| Internal Standard/PEM | VP133935 |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | Q2345-14 | TT150S1-20250617 | VX046744.D | 18 Jun 2025 15:46 | vial A pH<2 | JC/MD | Ok |
| 19 | Q2345-15 | RW8-MW01D1-202506 | VX046745.D | 18 Jun 2025 16:07 | vial A pH<2 | JC/MD | Ok |
| 20 | Q2345-16 | TT192D2-20250617 | VX046746.D | 18 Jun 2025 16:29 | vial A pH<2 | JC/MD | Ok |
| 21 | Q2345-17 | BPOW6-4-20250616 | VX046747.D | 18 Jun 2025 16:50 | vial A pH<2 | JC/MD | Ok |
| 22 | Q2344-09 | TRIP-BLANK | VX046748.D | 18 Jun 2025 17:12 | vial A pH<2 TB | JC/MD | Ok |
| 23 | Q2344-01 | MW-1 | VX046749.D | 18 Jun 2025 17:34 | vial A pH<2 | JC/MD | Ok |
| 24 | Q2344-03 | MW-3 | VX046750.D | 18 Jun 2025 17:55 | vial A pH<2 | JC/MD | Ok |
| 25 | Q2344-05 | MW-4 | VX046751.D | 18 Jun 2025 18:16 | vial A pH<2 | JC/MD | Ok |
| 26 | Q2344-07 | MW-2 | VX046752.D | 18 Jun 2025 18:37 | vial A pH<2 | JC/MD | Ok |
| 27 | Q2345-08MS | BPOW6-5-20250616MS | VX046753.D | 18 Jun 2025 18:58 | vial A pH<2 | JC/MD | Ok,M |
| 28 | Q2345-09MSD | BPOW6-5-20250616MS | VX046754.D | 18 Jun 2025 19:19 | vial A pH<2 | JC/MD | Ok,M |
| 29 | VIBLK | VIBLK | VX046755.D | 18 Jun 2025 19:40 | | JC/MD | Ok |
| 30 | VSTDCCC050 | VSTDCCC050EC | VX046756.D | 18 Jun 2025 20:01 | | JC/MD | Ok,M |

M : Manual Integration


# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO. Q2344
QUOTE NO. Bottle # B2506013
COC Number 2046517

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: LKB ENGINEERING, PLLC.
ADDRESS: 1 AERIAL WAY
CITY SYOSSET STATE: NY ZIP: 11791
ATTENTION: JOHN GERLACH
PHONE: 516-210-8931 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: ANSONIA LANDFILL
PROJECT NO.: 0774-08 LOCATION: CT
PROJECT MANAGER: JOHN GERLACH
e-mail: jgerlach@LKB-ENGINEERING.COM
PHONE: SAME FAX:

## CLIENT BILLING INFORMATION

BILL TO: LKB ENGINEERING, PLLC. PO#: N/A for lab
ADDRESS: SAME
CITY STATE: ZIP:
ATTENTION: SHARON F. PHONE:

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STD. DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☒ EDD FORMAT NYSDEC

## ANALYSIS

1: VOCs SEE BOTTLE ORDER # B2506013
2
3
4
5
6
7
8
9

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES A/E | PRESERVATIVES E+OTHER AS APPROPRIATE 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | MW-1 | GW | | X | 6/16/25 | 9:30A | 10 | | | X | | | | | | | | SAMPLES FOR DISS. Fe + Mn FILTERED IN FIELD. |
| 2. | MW-3 | | | X | | 10:30A | 10 | | | X | | | | | | | | |
| 3. | MW-4 | | | X | | 11:00A | 10 | | | X | | | | | | | | |
| 4. | MW-2 | ↓ | | X | ↓ | 12:00P | 10 | | | X | | | | | | | | |
| 5. | TRIP-BLANK | DI | | X | ↓ | | 2 | X | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | |

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

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

| | DATE/TIME | | |
|---|---|---|---|
| RELINQUISHED BY SAMPLER: 1. | DATE/TIME: 1147 6-17-25 | RECEIVED BY: 1. | 1147 6-17-25 |
| RELINQUISHED BY SAMPLER: 2. | DATE/TIME: | RECEIVED BY: 2. | |
| RELINQUISHED BY SAMPLER: 3. | DATE/TIME: 1608 6-7-25 | RECEIVED BY: 3. | |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 0.6 °C
Comments: _____

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO



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

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

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

QA Control Code: A2070148

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2344 LOCK01
**Client Name :** Lockwood, Kessler & Bartl
**Client Contact :** John Gerlach
**Invoice Name :** Lockwood, Kessler & Bartl
**Invoice Contact :** John Gerlach

**Order Date :** 6/17/2025 11:52:00 AM
**Project Name :** Ansonia Landfill 2025
**Receive DateTime :** 6/17/2025 ~~12:00:00 AM~~ 16:05 LA
**Purchase Order :**

**Project Mgr :**
**Report Type :** ~~NYS ASP B~~ Level 2 dP
**EDD Type :** EXCEL NOCLEANUP
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q2344-01 | MW-1 | Water | 16 JN 06/~~17~~/2025 | 09:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2344-03 | MW-3 | Water | 16 JN 06/~~17~~/2025 | 10:30 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2344-05 | MW-4 | Water | 16 JN 06/~~17~~/2025 | 11:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2344-07 | MW-2 | Water | 16 JN 06/~~17~~/2025 | 12:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |
| Q2344-09 | TRIP-BLANK | Water | 16 JN 06/~~17~~/2025 | 00:00 | | | | | |
| | | | | | VOCMS Group1 | | 8260-Low | | 10 Bus. Days |

**Relinguished By :**
**Date / Time :** 6/18/25 9:30

**Received By :** Sam
**Date / Time :** 06/18/25 9:30 Lgt 4

**Storage Area : VOA Refridgerator Room**