284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Cover Page

**Order ID :** Q3155

**Project ID :** Tanner G. Duckrey Public School

**Client :** Kleinfelder

| Lab Sample Number | Client Sample Number |
|---|---|
| Q3155-01 | COMP-1 |
| Q3155-02 | COMP-2 |
| Q3155-03 | COMP-3 |
| Q3155-04 | TB |

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

Signature : _____

Date: 9/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q3155**

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** **SOHIL JODHANI** **Date:** **09/30/2025**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q3155 | **OrderDate:** | 9/19/2025 1:05:00 PM |
| **Client:** | Kleinfelder | **Project:** | Tanner G. Duckrey Public School |
| **Contact:** | Mark Warchol | **Location:** | D41,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q3155-04** | **TB** | **Water** | | | **09/18/25** | | | **09/19/25** |
| | | | VOC-TCLVOA-10 | 8260D | | | 09/24/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q3155

**Client:** Kleinfelder

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | | | | | | | | |
| | | | | 0 | | | | |

**Total Voc :**

**Total Concentration:**


# QC SUMMARY

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# Surrogate Summary

**SDG No.:** Q3155

**Client:** Kleinfelder

**Analytical Method:** SW8260D

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q3155-04 | TB | 1,2-Dichloroethane-d4 | 50 | 57.4 | 115 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 52.7 | 105 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.7 | 99 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 45.3 | 91 | | 77 | 121 |
| VN0924WBL01 | VN0924WBL01 | 1,2-Dichloroethane-d4 | 50 | 54.7 | 109 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 50.0 | 100 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.3 | 99 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 46.5 | 93 | | 77 | 121 |
| VN0924WBS01 | VN0924WBS01 | 1,2-Dichloroethane-d4 | 50 | 53.6 | 107 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 49.8 | 100 | | 75 | 124 |
| | | Toluene-d8 | 50 | 49.1 | 98 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 50.0 | 100 | | 77 | 121 |
| VN0924WBSD0 | VN0924WBSD01 | 1,2-Dichloroethane-d4 | 50 | 49.3 | 99 | | 74 | 125 |
| | | Dibromofluoromethane | 50 | 50.4 | 101 | | 75 | 124 |
| | | Toluene-d8 | 50 | 50.0 | 100 | | 86 | 113 |
| | | 4-Bromofluorobenzene | 50 | 49.6 | 99 | | 77 | 121 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3155 **Analytical Method:** SW8260D

**Client:** Kleinfelder **Datafile :** VN087936.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0924WBS01 | Dichlorodifluoromethane | 20 | 20.6 | ug/L | 103 | | | 69 | 116 | |
| | Chloromethane | 20 | 19.4 | ug/L | 97 | | | 65 | 116 | |
| | Vinyl chloride | 20 | 19.6 | ug/L | 98 | | | 65 | 117 | |
| | Bromomethane | 20 | 20.3 | ug/L | 102 | | | 58 | 125 | |
| | Chloroethane | 20 | 20.4 | ug/L | 102 | | | 56 | 128 | |
| | Trichlorofluoromethane | 20 | 19.4 | ug/L | 97 | | | 73 | 115 | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.1 | ug/L | 101 | | | 80 | 112 | |
| | 1,1-Dichloroethene | 20 | 20.0 | ug/L | 100 | | | 74 | 110 | |
| | Acetone | 100 | 110 | ug/L | 110 | | | 60 | 125 | |
| | Carbon disulfide | 20 | 19.5 | ug/L | 98 | | | 64 | 112 | |
| | Methyl tert-butyl Ether | 20 | 19.8 | ug/L | 99 | | | 78 | 114 | |
| | Methyl Acetate | 20 | 21.6 | ug/L | 108 | | | 67 | 125 | |
| | Methylene Chloride | 20 | 20.6 | ug/L | 103 | | | 72 | 114 | |
| | trans-1,2-Dichloroethene | 20 | 19.3 | ug/L | 97 | | | 75 | 108 | |
| | 1,1-Dichloroethane | 20 | 20.6 | ug/L | 103 | | | 78 | 112 | |
| | Cyclohexane | 20 | 19.8 | ug/L | 99 | | | 75 | 110 | |
| | 2-Butanone | 100 | 100 | ug/L | 100 | | | 65 | 122 | |
| | Carbon Tetrachloride | 20 | 19.0 | ug/L | 95 | | | 77 | 113 | |
| | cis-1,2-Dichloroethene | 20 | 20.4 | ug/L | 102 | | | 77 | 110 | |
| | Bromochloromethane | 20 | 17.9 | ug/L | 90 | | | 70 | 124 | |
| | Chloroform | 20 | 20.5 | ug/L | 103 | | | 79 | 113 | |
| | 1,1,1-Trichloroethane | 20 | 20.2 | ug/L | 101 | | | 80 | 108 | |
| | Methylcyclohexane | 20 | 18.4 | ug/L | 92 | | | 72 | 115 | |
| | Benzene | 20 | 19.8 | ug/L | 99 | | | 82 | 109 | |
| | 1,2-Dichloroethane | 20 | 19.6 | ug/L | 98 | | | 80 | 115 | |
| | Trichloroethene | 20 | 20.0 | ug/L | 100 | | | 77 | 113 | |
| | 1,2-Dichloropropane | 20 | 19.7 | ug/L | 99 | | | 83 | 111 | |
| | Bromodichloromethane | 20 | 19.6 | ug/L | 98 | | | 83 | 110 | |
| | 4-Methyl-2-Pentanone | 100 | 100 | ug/L | 100 | | | 74 | 118 | |
| | Toluene | 20 | 19.7 | ug/L | 99 | | | 82 | 110 | |
| | t-1,3-Dichloropropene | 20 | 19.0 | ug/L | 95 | | | 79 | 110 | |
| | cis-1,3-Dichloropropene | 20 | 19.7 | ug/L | 99 | | | 82 | 110 | |
| | 1,1,2-Trichloroethane | 20 | 20.4 | ug/L | 102 | | | 83 | 112 | |
| | 2-Hexanone | 100 | 94.6 | ug/L | 95 | | | 73 | 117 | |
| | Dibromochloromethane | 20 | 19.5 | ug/L | 98 | | | 82 | 110 | |
| | 1,2-Dibromoethane | 20 | 20.0 | ug/L | 100 | | | 81 | 110 | |
| | Tetrachloroethene | 20 | 18.1 | ug/L | 91 | | | 67 | 123 | |
| | Chlorobenzene | 20 | 19.6 | ug/L | 98 | | | 82 | 109 | |
| | Ethyl Benzene | 20 | 18.8 | ug/L | 94 | | | 83 | 109 | |
| | m/p-Xylenes | 40 | 38.4 | ug/L | 96 | | | 82 | 110 | |
| | o-Xylene | 20 | 18.7 | ug/L | 94 | | | 83 | 109 | |
| | Styrene | 20 | 19.2 | ug/L | 96 | | | 80 | 111 | |
| | Bromoform | 20 | 19.2 | ug/L | 96 | | | 79 | 109 | |
| | Isopropylbenzene | 20 | 18.5 | ug/L | 93 | | | 83 | 112 | |
| | 1,1,2,2-Tetrachloroethane | 20 | 19.6 | ug/L | 98 | | | 76 | 118 | |
| | 1,3-Dichlorobenzene | 20 | 19.5 | ug/L | 98 | | | 82 | 108 | |
| | 1,4-Dichlorobenzene | 20 | 19.4 | ug/L | 97 | | | 82 | 107 | |
| | 1,2-Dichlorobenzene | 20 | 19.5 | ug/L | 98 | | | 82 | 109 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3155 **Analytical Method:** SW8260D

**Client:** Kleinfelder **Datafile :** VN087936.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0924WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 19.2 | ug/L | 96 | | | 68 | 112 | |
| | 1,2,4-Trichlorobenzene | 20 | 19.3 | ug/L | 97 | | | 75 | 113 | |
| | 1,2,3-Trichlorobenzene | 20 | 19.2 | ug/L | 96 | | | 76 | 114 | |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3155 **Analytical Method:** SW8260D

**Client:** Kleinfelder **Datafile :** VN087937.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0924WBSD01 | Dichlorodifluoromethane | 20 | 21.6 | ug/L | 108 | 5 | | 69 | 116 | 19 |
| | Chloromethane | 20 | 19.3 | ug/L | 97 | 0 | | 65 | 116 | 21 |
| | Vinyl chloride | 20 | 20.4 | ug/L | 102 | 4 | | 65 | 117 | 19 |
| | Bromomethane | 20 | 20.6 | ug/L | 103 | 1 | | 58 | 125 | 20 |
| | Chloroethane | 20 | 21.3 | ug/L | 106 | 4 | | 56 | 128 | 20 |
| | Trichlorofluoromethane | 20 | 20.9 | ug/L | 104 | 7 | | 73 | 115 | 16 |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 22.3 | ug/L | 112 | 10 | | 80 | 112 | 15 |
| | 1,1-Dichloroethene | 20 | 21.4 | ug/L | 107 | 7 | | 74 | 110 | 20 |
| | Acetone | 100 | 100 | ug/L | 100 | 10 | | 60 | 125 | 20 |
| | Carbon disulfide | 20 | 20.5 | ug/L | 103 | 5 | | 64 | 112 | 20 |
| | Methyl tert-butyl Ether | 20 | 20.3 | ug/L | 102 | 3 | | 78 | 114 | 20 |
| | Methyl Acetate | 20 | 22.2 | ug/L | 111 | 3 | | 67 | 125 | 20 |
| | Methylene Chloride | 20 | 20.6 | ug/L | 103 | 0 | | 72 | 114 | 20 |
| | trans-1,2-Dichloroethene | 20 | 19.7 | ug/L | 99 | 2 | | 75 | 108 | 16 |
| | 1,1-Dichloroethane | 20 | 20.1 | ug/L | 101 | 2 | | 78 | 112 | 20 |
| | Cyclohexane | 20 | 20.3 | ug/L | 102 | 3 | | 75 | 110 | 20 |
| | 2-Butanone | 100 | 110 | ug/L | 110 | 10 | | 65 | 122 | 26 |
| | Carbon Tetrachloride | 20 | 21.5 | ug/L | 108 | 13 | | 77 | 113 | 15 |
| | cis-1,2-Dichloroethene | 20 | 19.8 | ug/L | 99 | 3 | | 77 | 110 | 20 |
| | Bromochloromethane | 20 | 18.3 | ug/L | 92 | 2 | | 70 | 124 | 20 |
| | Chloroform | 20 | 20.6 | ug/L | 103 | 0 | | 79 | 113 | 20 |
| | 1,1,1-Trichloroethane | 20 | 20.2 | ug/L | 101 | 0 | | 80 | 108 | 20 |
| | Methylcyclohexane | 20 | 22.1 | ug/L | 111 | 19 | | 72 | 115 | 20 |
| | Benzene | 20 | 20.7 | ug/L | 104 | 5 | | 82 | 109 | 15 |
| | 1,2-Dichloroethane | 20 | 21.1 | ug/L | 106 | 8 | | 80 | 115 | 20 |
| | Trichloroethene | 20 | 20.3 | ug/L | 102 | 2 | | 77 | 113 | 15 |
| | 1,2-Dichloropropane | 20 | 20.9 | ug/L | 104 | 5 | | 83 | 111 | 16 |
| | Bromodichloromethane | 20 | 21.2 | ug/L | 106 | 8 | | 83 | 110 | 16 |
| | 4-Methyl-2-Pentanone | 100 | 110 | ug/L | 110 | 10 | | 74 | 118 | 25 |
| | Toluene | 20 | 21.1 | ug/L | 106 | 7 | | 82 | 110 | 16 |
| | t-1,3-Dichloropropene | 20 | 20.5 | ug/L | 103 | 8 | | 79 | 110 | 20 |
| | cis-1,3-Dichloropropene | 20 | 20.7 | ug/L | 104 | 5 | | 82 | 110 | 16 |
| | 1,1,2-Trichloroethane | 20 | 21.1 | ug/L | 106 | 4 | | 83 | 112 | 20 |
| | 2-Hexanone | 100 | 100 | ug/L | 100 | 5 | | 73 | 117 | 25 |
| | Dibromochloromethane | 20 | 21.3 | ug/L | 106 | 8 | | 82 | 110 | 20 |
| | 1,2-Dibromoethane | 20 | 20.9 | ug/L | 104 | 4 | | 81 | 110 | 20 |
| | Tetrachloroethene | 20 | 20.6 | ug/L | 103 | 12 | | 67 | 123 | 15 |
| | Chlorobenzene | 20 | 21.0 | ug/L | 105 | 7 | | 82 | 109 | 15 |
| | Ethyl Benzene | 20 | 20.6 | ug/L | 103 | 9 | | 83 | 109 | 16 |
| | m/p-Xylenes | 40 | 41.8 | ug/L | 104 | 8 | | 82 | 110 | 15 |
| | o-Xylene | 20 | 20.1 | ug/L | 101 | 7 | | 83 | 109 | 20 |
| | Styrene | 20 | 20.2 | ug/L | 101 | 5 | | 80 | 111 | 17 |
| | Bromoform | 20 | 21.0 | ug/L | 105 | 9 | | 79 | 109 | 20 |
| | Isopropylbenzene | 20 | 22.2 | ug/L | 111 | 18 | | 83 | 112 | 29 |
| | 1,1,2,2-Tetrachloroethane | 20 | 23.2 | ug/L | 116 | 17 | | 76 | 118 | 20 |
| | 1,3-Dichlorobenzene | 20 | 21.9 | ug/L | 110 | 12 | * | 82 | 108 | 20 |
| | 1,4-Dichlorobenzene | 20 | 21.5 | ug/L | 108 | 11 | * | 82 | 107 | 15 |
| | 1,2-Dichlorobenzene | 20 | 21.4 | ug/L | 107 | 9 | | 82 | 109 | 20 |

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q3155 **Analytical Method:** SW8260D

**Client:** Kleinfelder **Datafile :** VN087937.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| **VN0924WBSD01** | 1,2-Dibromo-3-Chloropropane | 20 | 23.2 | ug/L | 116 | 19 | * | 68 | 112 | 20 |
| | 1,2,4-Trichlorobenzene | 20 | 21.7 | ug/L | 109 | 12 | | 75 | 113 | 29 |
| | 1,2,3-Trichlorobenzene | 20 | 20.7 | ug/L | 104 | 8 | | 76 | 114 | 29 |

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VN0924WBL01

Lab Name: Alliance | Contract: POWE02

Lab Code: ACE | SDG NO.: Q3155

Lab File ID: VN087935.D | Lab Sample ID: VN0924WBL01

Date Analyzed: 09/24/2025 | Time Analyzed: 09:47

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

Instrument ID: MSVOA_N

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VN0924WBS01 | VN0924WBS01 | VN087936.D | 09/24/2025 |
| VN0924WBSD01 | VN0924WBSD01 | VN087937.D | 09/24/2025 |
| TB | Q3155-04 | VN087939.D | 09/24/2025 |

COMMENTS:

Raw Data: **VN087922.D**

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

Lab Name: Alliance | Contract: POWE02

Lab Code: ACE | SDG NO.: Q3155

Lab File ID: VN087922.D | BFB Injection Date: 09/23/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:31

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 21.1 |
| 75 | 30.0 - 60.0% of mass 95 | 55.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7.1 |
| 173 | Less than 2.0% of mass 174 | 1.2 ( 1.6 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 75.3 |
| 175 | 5.0 - 9.0% of mass 174 | 6.2 ( 8.3 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 74.2 ( 98.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.4 ( 6 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VN087924.D | 09/23/2025 | 09:33 |
| VSTDICCC050 | VSTDICCC050 | VN087926.D | 09/23/2025 | 10:15 |
| VSTDICC100 | VSTDICC100 | VN087927.D | 09/23/2025 | 10:36 |
| VSTDICC150 | VSTDICC150 | VN087928.D | 09/23/2025 | 10:56 |
| VSTDICC020 | VSTDICC020 | VN087930.D | 09/23/2025 | 11:47 |

Raw Data: **VN087932.D**

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

Lab Name: Alliance
Contract: POWE02
Lab Code: ACE
SDG NO.: Q3155
Lab File ID: VN087932.D
BFB Injection Date: 09/24/2025
Instrument ID: MSVOA_N
BFB Injection Time: 07:41
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.9 |
| 75 | 30.0 - 60.0% of mass 95 | 54.2 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 1.1 ( 1.4 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74.1 |
| 175 | 5.0 - 9.0% of mass 174 | 6.2 ( 8.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 73.4 ( 99.1 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 ( 6.7 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VN087933.D | 09/24/2025 | 08:27 |
| VN0924WBL01 | VN0924WBL01 | VN087935.D | 09/24/2025 | 09:47 |
| VN0924WBS01 | VN0924WBS01 | VN087936.D | 09/24/2025 | 10:08 |
| VN0924WBSD01 | VN0924WBSD01 | VN087937.D | 09/24/2025 | 10:42 |
| TB | Q3155-04 | VN087939.D | 09/24/2025 | 11:25 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: POWE02

Lab Code: ACE SDG NO.: Q3155

Lab File ID: VN087933.D Date Analyzed: 09/24/2025

Instrument ID: MSVOA_N Time Analyzed: 08:27

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

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 248830 | 8.21 | 449654 | 9.08 | 427717 | 11.85 |
| UPPER LIMIT | 497660 | 8.706 | 899308 | 9.582 | 855434 | 12.347 |
| LOWER LIMIT | 124415 | 7.706 | 224827 | 8.582 | 213859 | 11.347 |
| EPA SAMPLE NO. | | | | | | |
| TB | 174992 | 8.21 | 380143 | 9.08 | 371356 | 11.85 |
| VN0924WBL01 | 194391 | 8.21 | 423678 | 9.08 | 397836 | 11.84 |
| VN0924WBS01 | 214330 | 8.21 | 404775 | 9.08 | 389038 | 11.85 |
| VN0924WBSD01 | 242602 | 8.21 | 429972 | 9.08 | 407713 | 11.85 |

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

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

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

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: POWE02

Lab Code: ACE SDG NO.: Q3155

Lab File ID: VN087933.D Date Analyzed: 09/24/2025

Instrument ID: MSVOA_N Time Analyzed: 08:27

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 229002 | 13.77 | | | | |
| UPPER LIMIT | 458004 | 14.27 | | | | |
| LOWER LIMIT | 114501 | 13.27 | | | | |
| EPA SAMPLE NO. | | | | | | |
| TB | 173790 | 13.77 | | | | |
| VN0924WBL01 | 185471 | 13.77 | | | | |
| VN0924WBS01 | 206895 | 13.77 | | | | |
| VN0924WBSD01 | 206436 | 13.77 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

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


# SAMPLE DATA

Raw Data: **VN087939.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 09/18/25 |
| Project: | Tanner G. Duckrey Public School | Date Received: | 09/19/25 |
| Client Sample ID: | TB | SDG No.: | Q3155 |
| Lab Sample ID: | Q3155-04 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087939.D | 1 | 09/24/25 11:25 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 74-87-3 | Chloromethane | 0.32 | U | 0.32 | 5.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 5.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 5.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 5.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 25.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 5.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.27 | U | 0.27 | 5.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 5.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 5.00 | ug/L |
| 110-82-7 | Cyclohexane | 1.50 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 5.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 5.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.16 | U | 0.16 | 5.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.090 | U | 0.090 | 5.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 25.0 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 5.00 | ug/L |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 09/18/25 |
| Project: | Tanner G. Duckrey Public School | Date Received: | 09/19/25 |
| Client Sample ID: | TB | SDG No.: | Q3155 |
| Lab Sample ID: | Q3155-04 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087939.D | 1 | 09/24/25 11:25 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 5.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 5.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 25.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 5.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 5.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 0.24 | 10.0 | ug/L |
| 95-47-6 | o-Xylene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 5.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 5.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | UQ | 0.16 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | UQ | 0.19 | 5.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | UQ | 0.53 | 5.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 57.4 | | 74 - 125 | 115% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 52.7 | | 75 - 124 | 105% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.7 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 45.3 | | 77 - 121 | 91% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 175000 | 8.206 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 380000 | 9.082 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 371000 | 11.847 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 174000 | 13.77 | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | 09/18/25 |
| Project: | Tanner G. Duckrey Public School | Date Received: | 09/19/25 |
| Client Sample ID: | TB | SDG No.: | Q3155 |
| Lab Sample ID: | Q3155-04 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087939.D | 1 | 09/24/25 11:25 | VN092425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087939.D
Acq On : 24 Sep 2025 11:25
Operator : JC\MD
Sample : Q3155-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Quant Time: Sep 25 03:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

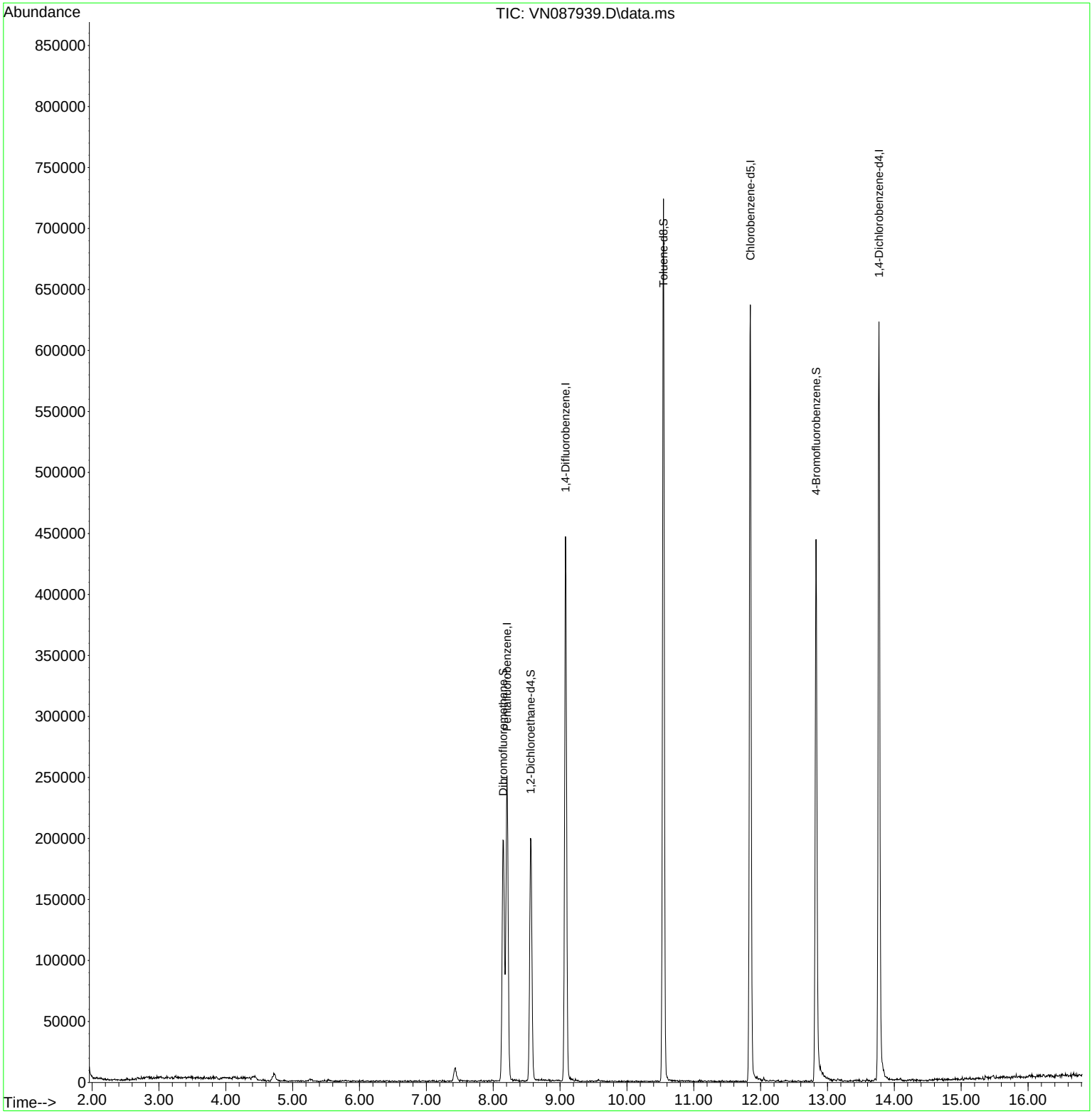
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 174992 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 380143 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 371356 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 173790 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 169132 | 57.431 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 114.860% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 145521 | 52.724 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 105.440% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 482202 | 49.681 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.360% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 156995 | 45.252 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 90.500% | | | |
| Target Compounds | | | | | | Qvalue |

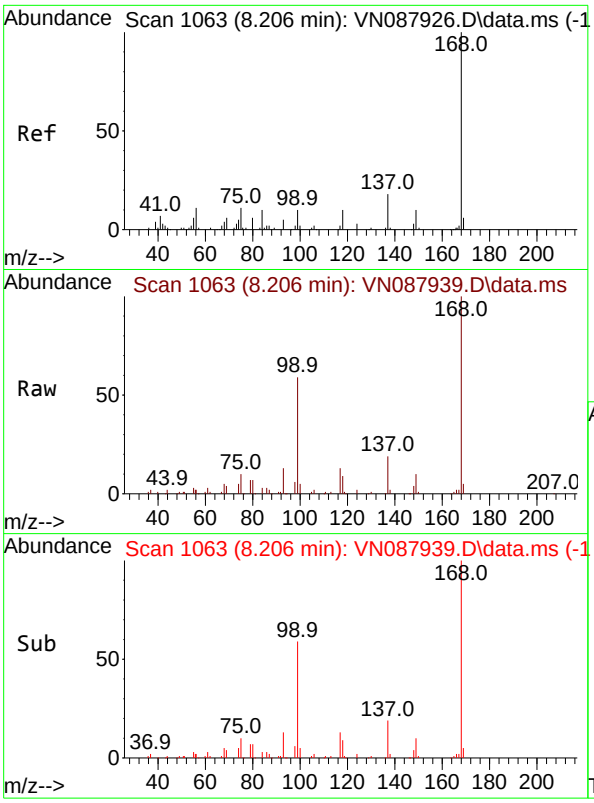
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087939.D
Acq On : 24 Sep 2025 11:25
Operator : JC\MD
Sample : Q3155-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Quant Time: Sep 25 03:08:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



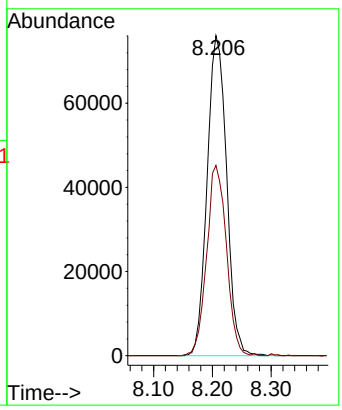


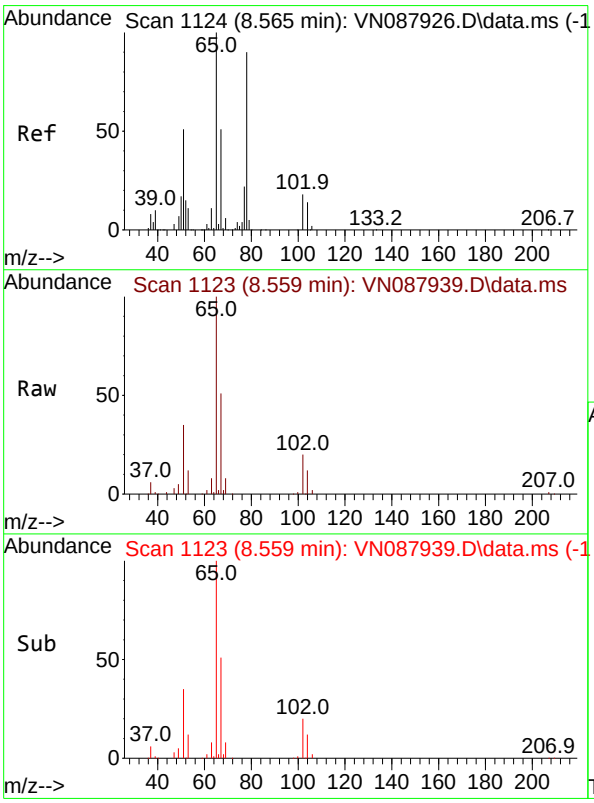

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Tgt Ion:168 Resp: 174992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.4 | 52.2 | 78.2 |

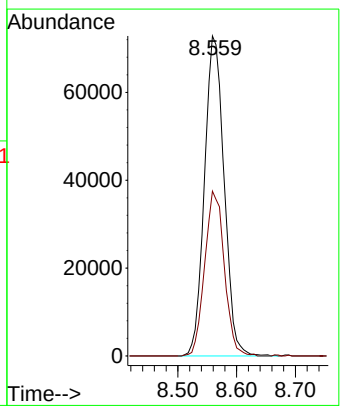


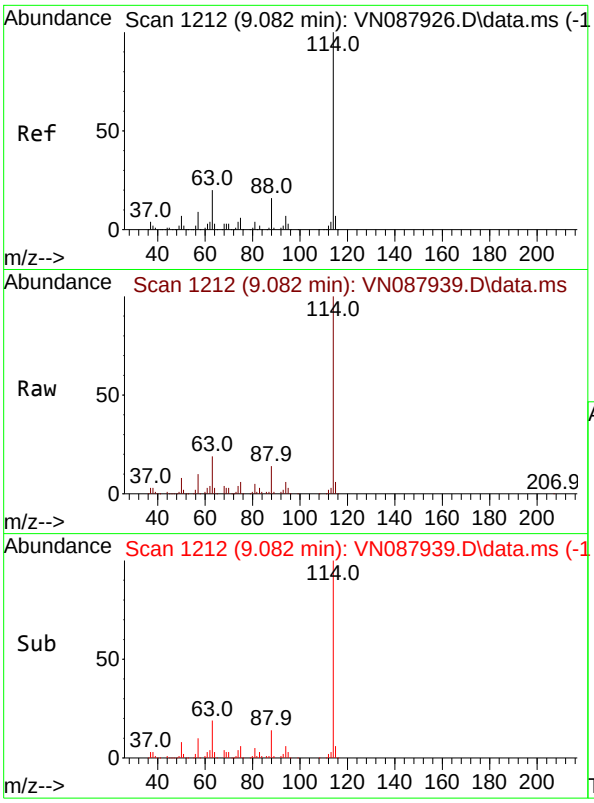




#33
1,2-Dichloroethane-d4
Concen: 57.431 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion: 65 Resp: 169132

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.4 | 0.0 | 103.4 |



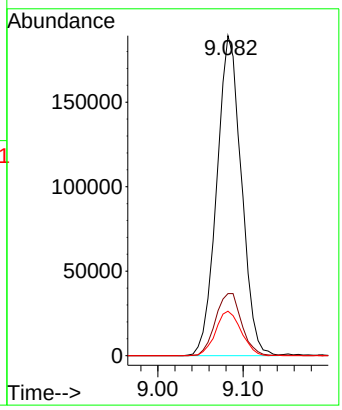


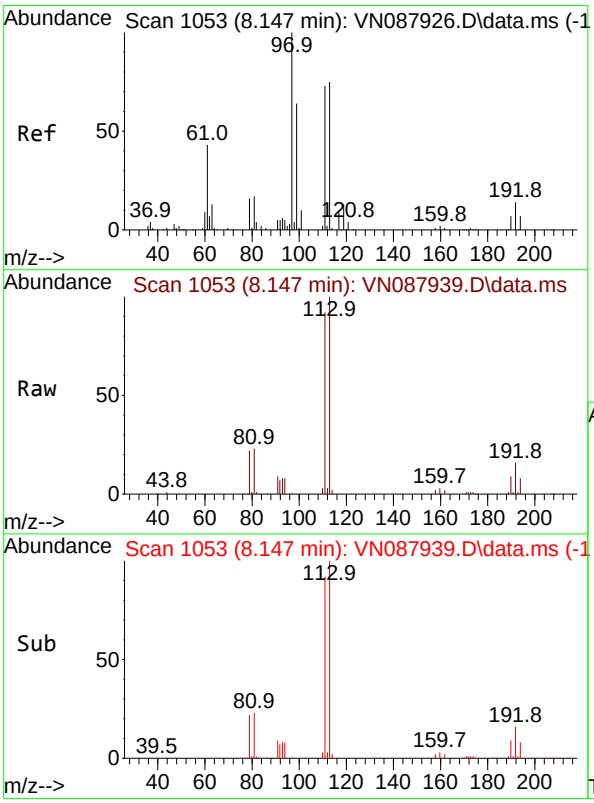

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Tgt Ion:114 Resp: 380143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.4 | 0.0 | 40.0 |
| 88 | 13.9 | 0.0 | 31.8 |

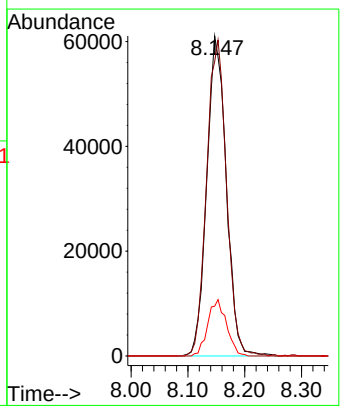


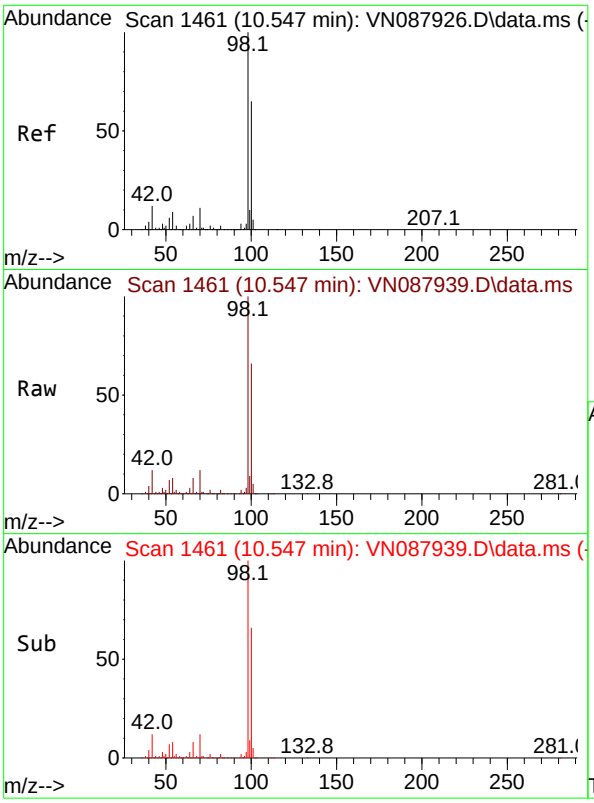




#35
Dibromofluoromethane
Concen: 52.724 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion:113 Resp: 145521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 100.6 | 82.2 | 123.2 |
| 192 | 16.9 | 14.2 | 21.2 |



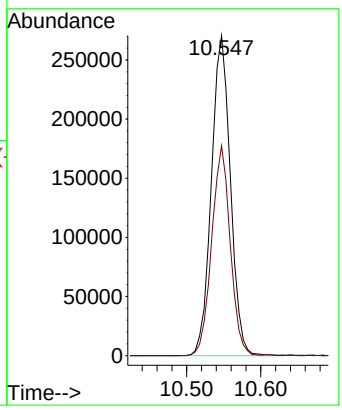


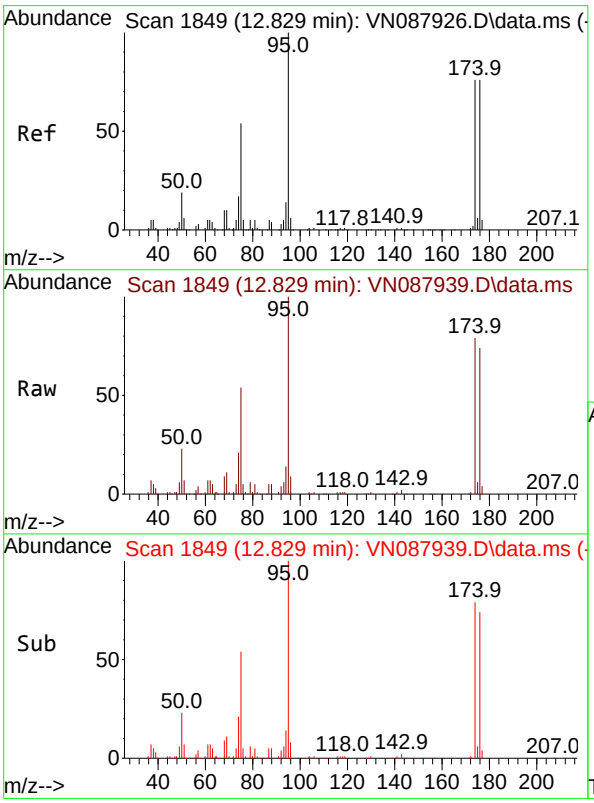

#50
Toluene-d8
Concen: 49.681 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Tgt Ion: 98 Resp: 482202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.0 | 51.7 | 77.5 |

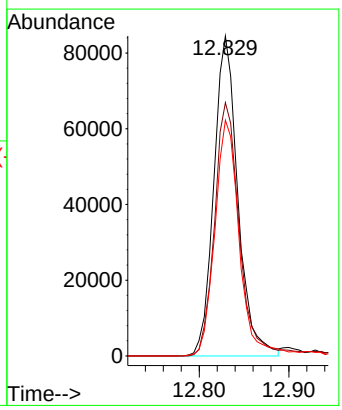


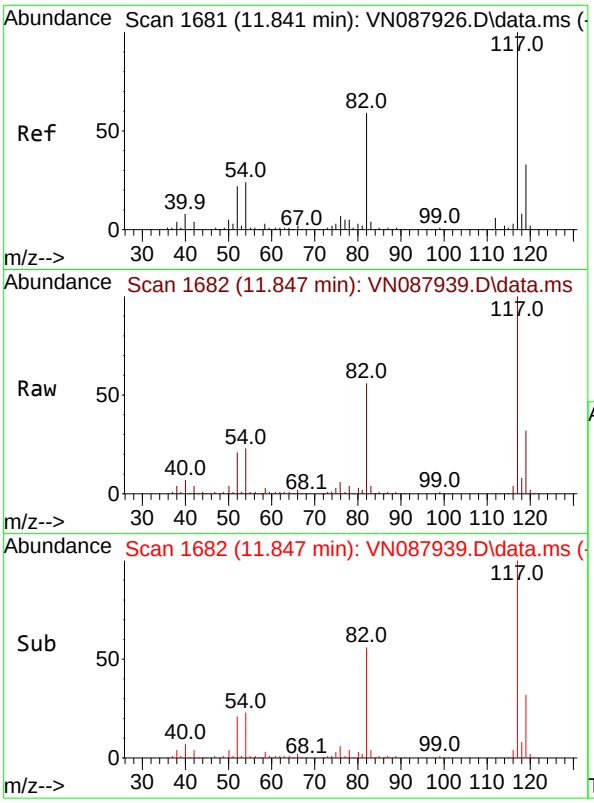




#62
4-Bromofluorobenzene
Concen: 45.252 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion: 95 Resp: 156995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 82.1 | 0.0 | 159.2 |
| 176 | 75.1 | 0.0 | 152.6 |



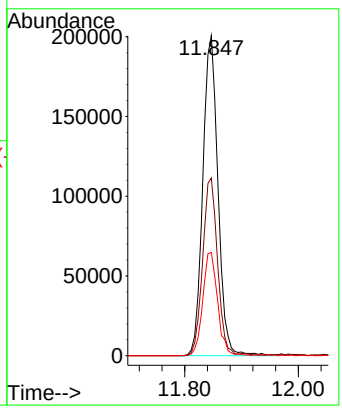


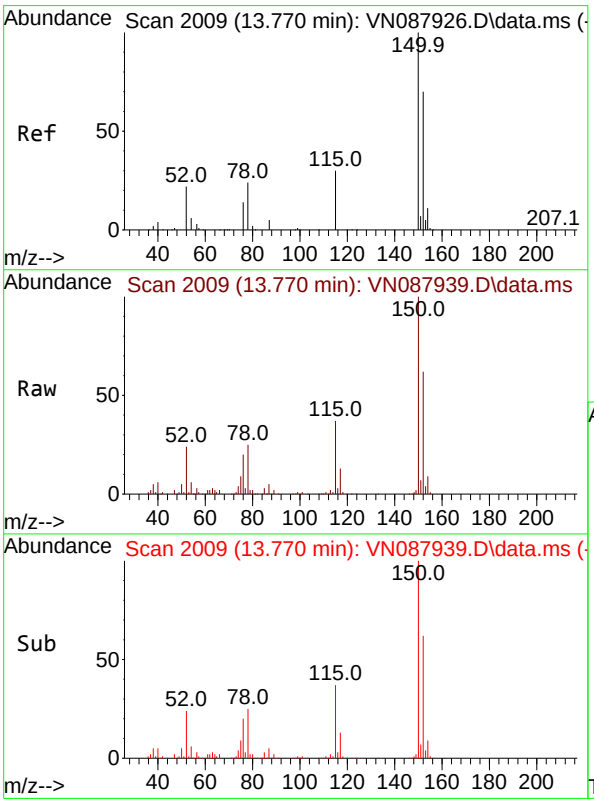

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Tgt Ion:117 Resp: 371356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 55.6 | 47.0 | 70.4 |
| 119 | 32.2 | 26.1 | 39.1 |

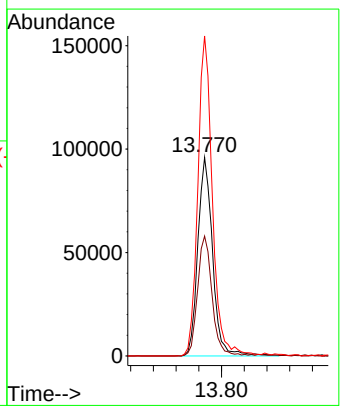



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN087939.D
Acq: 24 Sep 2025 11:25

Tgt Ion:152 Resp: 173790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.2 | 29.9 | 89.7 |
| 150 | 158.4 | 0.0 | 335.0 |



Sample Results: **VN087939.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087939.D
Acq On : 24 Sep 2025 11:25
Operator : JC\MD
Sample : Q3155-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

Signal : TIC: VN087939.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7.435 | 922 | 932 | 943 | rVB3 | 11367 | 33720 | 2.57% | 0.488% |
| 2 | 8.147 | 1044 | 1053 | 1058 | rBV2 | 197542 | 480054 | 36.60% | 6.948% |
| 3 | 8.206 | 1058 | 1063 | 1073 | rVB | 249222 | 566821 | 43.22% | 8.204% |
| 4 | 8.559 | 1114 | 1123 | 1136 | rBV | 198896 | 468800 | 35.74% | 6.785% |
| 5 | 9.082 | 1203 | 1212 | 1223 | rBV | 446090 | 915128 | 69.78% | 13.245% |
| 6 | 10.547 | 1450 | 1461 | 1475 | rBV | 723536 | 1311535 | 100.00% | 18.982% |
| 7 | 11.847 | 1673 | 1682 | 1696 | rBV | 636810 | 1178247 | 89.84% | 17.053% |
| 8 | 12.829 | 1841 | 1849 | 1859 | rBV | 444307 | 829145 | 63.22% | 12.000% |
| 9 | 13.770 | 2002 | 2009 | 2025 | rBV | 621447 | 1125854 | 85.84% | 16.295% |

Sum of corrected areas: 6909304

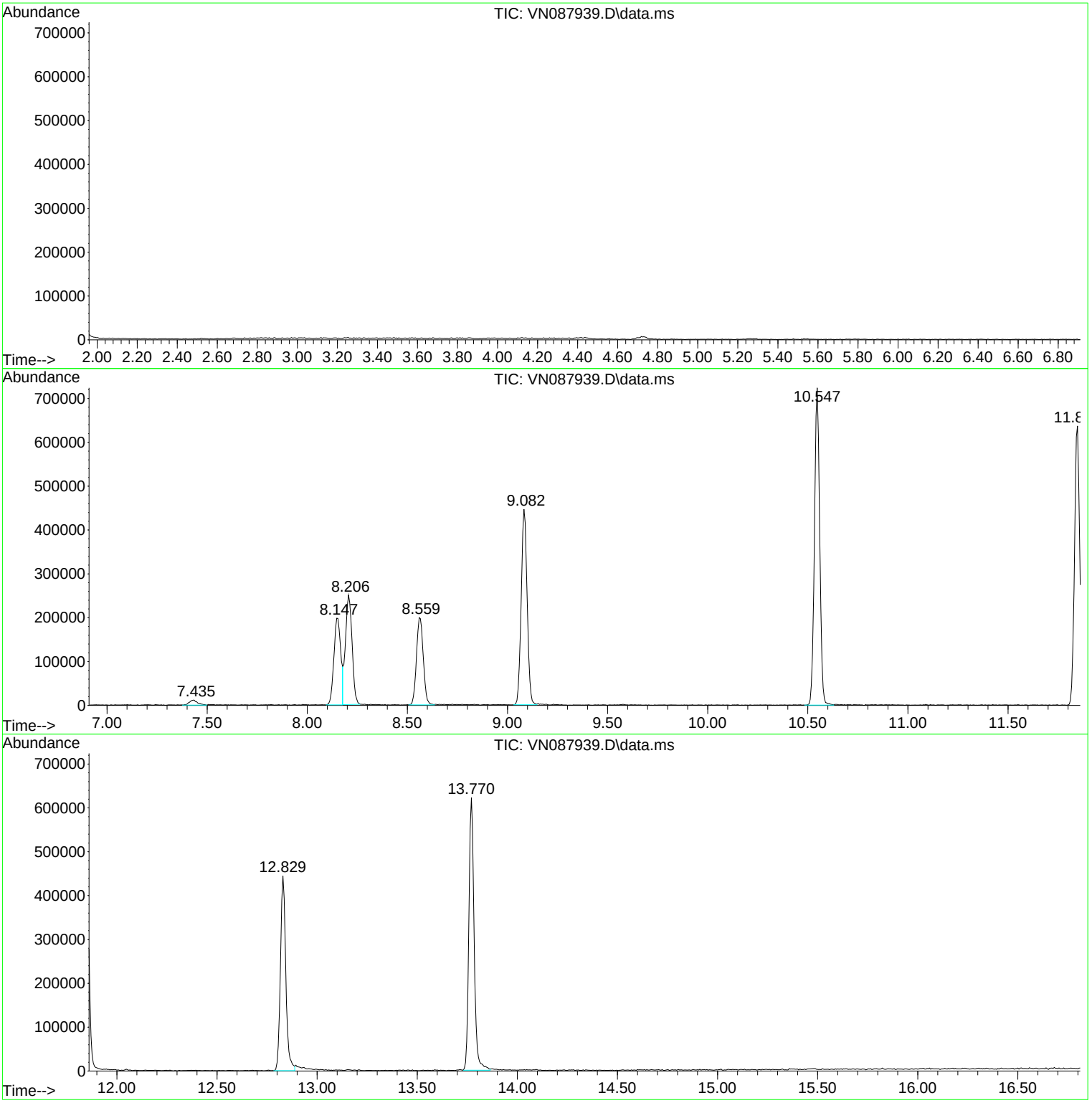
Sample Results: **VN087939.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087939.D
Acq On : 24 Sep 2025 11:25
Operator : JC\MD
Sample : Q3155-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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



# Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087939.D
Acq On : 24 Sep 2025 11:25
Operator : JC\MD
Sample : Q3155-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087939.D
Acq On : 24 Sep 2025 11:25
Operator : JC\MD
Sample : Q3155-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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

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

# 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: Alliance Contract: POWE02

Lab Code: ACE SDG No.: Q3155

Instrument ID: MSVOA_N Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:33 11:47

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

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

| COMPOUND | RRF005 | RRF050 | RRF100 | RRF150 | RRF020 | RRF | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.590 | 0.526 | 0.505 | 0.612 | 0.662 | | 0.579 | 11 |
| Chloromethane | 0.662 | 0.532 | 0.497 | 0.602 | 0.672 | | 0.593 | 13.1 |
| Vinyl Chloride | 0.656 | 0.553 | 0.516 | 0.613 | 0.686 | | 0.605 | 11.7 |
| Bromomethane | 0.388 | 0.320 | 0.331 | 0.415 | 0.422 | | 0.375 | 12.6 |
| Chloroethane | 0.442 | 0.355 | 0.337 | 0.407 | 0.425 | | 0.393 | 11.5 |
| Trichlorofluoromethane | 1.169 | 0.883 | 0.816 | 0.987 | 1.068 | | 0.985 | 14.3 |
| 1,1,2-Trichlorotrifluoroethane | 0.597 | 0.475 | 0.439 | 0.528 | 0.563 | | 0.521 | 12.3 |
| 1,1-Dichloroethene | 0.591 | 0.470 | 0.448 | 0.539 | 0.579 | | 0.525 | 12.2 |
| Acetone | 0.417 | 0.298 | 0.274 | 0.326 | 0.417 | | 0.346 | 19.4 |
| Carbon Disulfide | 1.788 | 1.485 | 1.399 | 1.672 | 1.862 | | 1.641 | 12 |
| Methyl tert-butyl Ether | 2.047 | 1.907 | 1.811 | 2.256 | 2.237 | | 2.052 | 9.6 |
| Methyl Acetate | 0.822 | 0.813 | 0.767 | 0.934 | 0.997 | | 0.866 | 11 |
| Methylene Chloride | 0.871 | 0.621 | 0.571 | 0.680 | 0.761 | | 0.701 | 16.9 |
| trans-1,2-Dichloroethene | 0.758 | 0.570 | 0.542 | 0.654 | 0.695 | | 0.644 | 13.8 |
| 1,1-Dichloroethane | 1.315 | 1.057 | 0.984 | 1.206 | 1.268 | | 1.166 | 12.1 |
| Cyclohexane | 1.163 | 0.827 | 0.758 | 0.951 | 1.020 | | 0.944 | 16.9 |
| 2-Butanone | 0.557 | 0.479 | 0.453 | 0.554 | 0.602 | | 0.529 | 11.6 |
| Carbon Tetrachloride | 0.524 | 0.461 | 0.432 | 0.542 | 0.545 | | 0.501 | 10.3 |
| cis-1,2-Dichloroethene | 0.852 | 0.690 | 0.656 | 0.804 | 0.829 | | 0.766 | 11.5 |
| Bromochloromethane | 0.667 | 0.662 | 0.598 | 0.570 | 0.671 | | 0.634 | 7.3 |
| Chloroform | 1.419 | 1.145 | 1.075 | 1.313 | 1.424 | | 1.275 | 12.5 |
| 1,1,1-Trichloroethane | 1.190 | 0.958 | 0.908 | 1.133 | 1.197 | | 1.077 | 12.5 |
| Methylcyclohexane | 0.445 | 0.444 | 0.435 | 0.562 | 0.521 | | 0.482 | 11.8 |
| Benzene | 1.507 | 1.353 | 1.258 | 1.540 | 1.569 | | 1.445 | 9.3 |
| 1,2-Dichloroethane | 0.572 | 0.484 | 0.467 | 0.565 | 0.609 | | 0.539 | 11.3 |
| Trichloroethene | 0.367 | 0.315 | 0.304 | 0.367 | 0.374 | | 0.345 | 9.6 |
| 1,2-Dichloropropane | 0.391 | 0.333 | 0.310 | 0.377 | 0.402 | | 0.362 | 10.9 |
| Bromodichloromethane | 0.581 | 0.521 | 0.489 | 0.597 | 0.616 | | 0.561 | 9.6 |
| 4-Methyl-2-Pentanone | 0.532 | 0.537 | 0.509 | 0.614 | 0.623 | | 0.563 | 9.2 |
| Toluene | 0.897 | 0.848 | 0.811 | 0.998 | 0.981 | | 0.907 | 9 |

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

Raw Data

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: POWE02

Lab Code: ACE SDG No.: Q3155

Instrument ID: MSVOA_N Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:33 11:47

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

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

| COMPOUND | RRF005 | RRF050 | RRF100 | RRF150 | RRF020 | RRF | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.556 | 0.528 | 0.518 | 0.650 | 0.617 | | 0.574 | 10 |
| cis-1,3-Dichloropropene | 0.593 | 0.544 | 0.534 | 0.659 | 0.651 | | 0.596 | 9.8 |
| 1,1,2-Trichloroethane | 0.390 | 0.339 | 0.318 | 0.384 | 0.413 | | 0.369 | 10.5 |
| 2-Hexanone | 0.297 | 0.369 | 0.358 | 0.436 | 0.402 | | 0.372 | 14.1 |
| Dibromochloromethane | 0.425 | 0.402 | 0.391 | 0.479 | 0.472 | | 0.434 | 9.2 |
| 1,2-Dibromoethane | 0.395 | 0.362 | 0.341 | 0.420 | 0.435 | | 0.390 | 10 |
| Tetrachloroethene | 0.308 | 0.279 | 0.264 | 0.328 | 0.345 | | 0.305 | 11 |
| Chlorobenzene | 1.057 | 0.951 | 0.940 | 1.153 | 1.218 | | 1.064 | 11.5 |
| Ethyl Benzene | 1.650 | 1.601 | 1.637 | 2.022 | 1.968 | | 1.775 | 11.4 |
| m/p-Xylenes | 0.612 | 0.637 | 0.615 | 0.767 | 0.765 | | 0.679 | 11.8 |
| o-Xylene | 0.593 | 0.598 | 0.601 | 0.752 | 0.718 | | 0.652 | 11.7 |
| Styrene | 0.906 | 1.063 | 1.061 | 1.312 | 1.260 | | 1.120 | 14.7 |
| Bromoform | 0.286 | 0.285 | 0.289 | 0.352 | 0.344 | | 0.311 | 10.9 |
| Isopropylbenzene | 2.660 | 2.804 | 2.859 | 3.653 | 3.518 | | 3.099 | 14.6 |
| 1,1,2,2-Tetrachloroethane | 1.212 | 0.979 | 0.954 | 1.168 | 1.269 | | 1.117 | 12.7 |
| 1,3-Dichlorobenzene | 1.689 | 1.403 | 1.409 | 1.745 | 1.798 | | 1.609 | 11.7 |
| 1,4-Dichlorobenzene | 1.800 | 1.413 | 1.423 | 1.744 | 1.888 | | 1.654 | 13.4 |
| 1,2-Dichlorobenzene | 1.591 | 1.357 | 1.358 | 1.673 | 1.776 | | 1.551 | 12.2 |
| 1,2-Dibromo-3-Chloropropane | 0.285 | 0.220 | 0.221 | 0.286 | 0.285 | | 0.259 | 13.7 |
| 1,2,4-Trichlorobenzene | 0.867 | 0.791 | 0.830 | 1.099 | 0.991 | | 0.916 | 13.9 |
| 1,2,3-Trichlorobenzene | 0.780 | 0.783 | 0.800 | 1.068 | 1.020 | | 0.890 | 15.9 |
| 1,2-Dichloroethane-d4 | 0.852 | 0.872 | 0.901 | 0.877 | 0.705 | | 0.841 | 9.3 |
| Dibromofluoromethane | 0.376 | 0.372 | 0.385 | 0.376 | 0.305 | | 0.363 | 9 |
| Toluene-d8 | 1.189 | 1.352 | 1.429 | 1.387 | 1.026 | | 1.277 | 13.1 |
| 4-Bromofluorobenzene | 0.432 | 0.476 | 0.511 | 0.496 | 0.367 | | 0.456 | 12.8 |

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

# Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087924.D 20 =VN087930.D 50 =VN087926.D 100 =VN087927.D 150 =VN087928.D

| | | Compound | 5 | 20 | 50 | 100 | 150 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|
| 1) | I | Pentafluorobenzene | ----------ISTD---------- | | | | | | |
| 2) | T | Dichlorodifluoro... | 0.590 | 0.662 | 0.526 | 0.505 | 0.612 | 0.579 | 11.05 |
| 3) | P | Chloromethane | 0.662 | 0.672 | 0.532 | 0.497 | 0.602 | 0.593 | 13.10 |
| 4) | C | Vinyl Chloride | 0.656 | 0.686 | 0.553 | 0.516 | 0.613 | 0.605 | 11.66# |
| 5) | T | Bromomethane | 0.388 | 0.422 | 0.320 | 0.331 | 0.415 | 0.375 | 12.64 |
| 6) | T | Chloroethane | 0.442 | 0.425 | 0.355 | 0.337 | 0.407 | 0.393 | 11.53 |
| 7) | T | Trichlorofluorom... | 1.169 | 1.068 | 0.883 | 0.816 | 0.987 | 0.985 | 14.32 |
| 8) | T | Diethyl Ether | 0.400 | 0.419 | 0.339 | 0.315 | 0.387 | 0.372 | 11.73 |
| 9) | T | 1,1,2-Trichlorot... | 0.597 | 0.563 | 0.475 | 0.439 | 0.528 | 0.521 | 12.30 |
| 10) | T | Methyl Iodide | 0.335 | 0.474 | 0.462 | 0.478 | 0.593 | 0.468 | 19.57 |
| 11) | T | Tert butyl alcohol | 0.125 | 0.139 | 0.108 | 0.105 | 0.129 | 0.121 | 12.18 |
| 12) | CM | 1,1-Dichloroethene | 0.591 | 0.579 | 0.470 | 0.448 | 0.539 | 0.525 | 12.18# |
| 13) | T | Acrolein | 0.170 | 0.148 | 0.120 | 0.165 | 0.174 | 0.156 | 14.22 |
| 14) | T | Allyl chloride | 0.898 | 0.941 | 0.760 | 0.750 | 0.926 | 0.855 | 10.82 |
| 15) | T | Acrylonitrile | 0.395 | 0.430 | 0.348 | 0.328 | 0.400 | 0.380 | 10.86 |
| 16) | T | Acetone | 0.417 | 0.417 | 0.298 | 0.274 | 0.326 | 0.346 | 19.36 |
| 17) | T | Carbon Disulfide | 1.788 | 1.862 | 1.485 | 1.399 | 1.672 | 1.641 | 11.96 |
| 18) | T | Methyl Acetate | 0.822 | 0.997 | 0.813 | 0.767 | 0.934 | 0.866 | 11.00 |
| 19) | T | Methyl tert-buty... | 2.047 | 2.237 | 1.907 | 1.811 | 2.256 | 2.052 | 9.60 |
| 20) | T | Methylene Chloride | 0.871 | 0.761 | 0.621 | 0.571 | 0.680 | 0.701 | 16.92 |
| 21) | T | trans-1,2-Dichlo... | 0.758 | 0.695 | 0.570 | 0.542 | 0.654 | 0.644 | 13.79 |
| 22) | T | Diisopropyl ether | 2.040 | 2.153 | 1.826 | 1.763 | 2.199 | 1.996 | 9.75 |
| 23) | T | Vinyl Acetate | 1.585 | 1.884 | 1.566 | 1.502 | 1.867 | 1.681 | 10.75 |
| 24) | P | 1,1-Dichloroethane | 1.315 | 1.268 | 1.057 | 0.984 | 1.206 | 1.166 | 12.08 |
| 25) | T | 2-Butanone | 0.557 | 0.602 | 0.479 | 0.453 | 0.554 | 0.529 | 11.56 |
| 26) | T | 2,2-Dichloropropane | 1.136 | 1.175 | 0.932 | 0.868 | 1.069 | 1.036 | 12.71 |
| 27) | T | cis-1,2-Dichloro... | 0.852 | 0.829 | 0.690 | 0.656 | 0.804 | 0.766 | 11.45 |
| 28) | T | Bromochloromethane | 0.667 | 0.671 | 0.662 | 0.598 | 0.570 | 0.634 | 7.35 |
| 29) | T | Tetrahydrofuran | 0.335 | 0.379 | 0.311 | 0.298 | 0.371 | 0.339 | 10.57 |
| 30) | C | Chloroform | 1.419 | 1.424 | 1.145 | 1.075 | 1.313 | 1.275 | 12.49# |
| 31) | T | Cyclohexane | 1.163 | 1.020 | 0.827 | 0.758 | 0.951 | 0.944 | 16.90 |
| 32) | T | 1,1,1-Trichloroe... | 1.190 | 1.197 | 0.958 | 0.908 | 1.133 | 1.077 | 12.54 |
| 33) | S | 1,2-Dichloroetha... | 0.852 | 0.705 | 0.872 | 0.901 | 0.877 | 0.841 | 9.28 |
| 34) | I | 1,4-Difluorobenzene | ----------ISTD---------- | | | | | | |
| 35) | S | Dibromofluoromet... | 0.376 | 0.305 | 0.372 | 0.385 | 0.376 | 0.363 | 8.96 |
| 36) | T | 1,1-Dichloropropene | 0.435 | 0.472 | 0.408 | 0.390 | 0.478 | 0.437 | 8.78 |
| 37) | T | Ethyl Acetate | 0.602 | 0.605 | 0.536 | 0.503 | 0.621 | 0.573 | 8.88 |
| 38) | T | Carbon Tetrachlo... | 0.524 | 0.545 | 0.461 | 0.432 | 0.542 | 0.501 | 10.26 |
| 39) | T | Methylcyclohexane | 0.445 | 0.521 | 0.444 | 0.435 | 0.562 | 0.482 | 11.81 |
| 40) | TM | Benzene | 1.507 | 1.569 | 1.353 | 1.258 | 1.540 | 1.445 | 9.26 |
| 41) | T | Methacrylonitrile | 0.290 | 0.314 | 0.288 | 0.263 | 0.327 | 0.296 | 8.37 |
| 42) | TM | 1,2-Dichloroethane | 0.572 | 0.609 | 0.484 | 0.467 | 0.565 | 0.539 | 11.30 |
| 43) | T | Isopropyl Acetate | 0.885 | 0.976 | 0.834 | 0.809 | 1.007 | 0.902 | 9.63 |
| 44) | TM | Trichloroethene | 0.367 | 0.374 | 0.315 | 0.304 | 0.367 | 0.345 | 9.59 |
| 45) | C | 1,2-Dichloropropane | 0.391 | 0.402 | 0.333 | 0.310 | 0.377 | 0.362 | 10.93# |
| 46) | T | Dibromomethane | 0.283 | 0.329 | 0.260 | 0.250 | 0.307 | 0.286 | 11.42 |
| 47) | T | Bromodichloromet... | 0.581 | 0.616 | 0.521 | 0.489 | 0.597 | 0.561 | 9.56 |
| 48) | T | Methyl methacrylate | 0.392 | 0.446 | 0.389 | 0.384 | 0.479 | 0.418 | 10.19 |
| 49) | T | 1,4-Dioxane | 0.006 | 0.007 | 0.006 | 0.005 | 0.007 | 0.006 | 11.38 |
| 50) | S | Toluene-d8 | 1.189 | 1.026 | 1.352 | 1.429 | 1.387 | 1.277 | 13.06 |
| 51) | T | 4-Methyl-2-Penta... | 0.532 | 0.623 | 0.537 | 0.509 | 0.614 | 0.563 | 9.20 |
| 52) | CM | Toluene | 0.897 | 0.981 | 0.848 | 0.811 | 0.998 | 0.907 | 9.02# |
| 53) | T | t-1,3-Dichloropr... | 0.556 | 0.617 | 0.528 | 0.518 | 0.650 | 0.574 | 10.00 |
| 54) | T | cis-1,3-Dichloro... | 0.593 | 0.651 | 0.544 | 0.534 | 0.659 | 0.596 | 9.76 |
| 55) | T | 1,1,2-Trichloroe... | 0.390 | 0.413 | 0.339 | 0.318 | 0.384 | 0.369 | 10.55 |
| 56) | T | Ethyl methacrylate | 0.433 | 0.561 | 0.515 | 0.513 | 0.644 | 0.533 | 14.50 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N092325W.M

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 57) | T | 1,3-Dichloropropane | 0.610 | 0.667 | 0.567 | 0.539 | 0.651 | 0.607 | 8.94 |
| 58) | T | 2-Chloroethyl Vi... | 0.193 | 0.278 | 0.219 | 0.250 | 0.312 | 0.251 | 18.74 |
| 59) | T | 2-Hexanone | 0.297 | 0.402 | 0.369 | 0.358 | 0.436 | 0.372 | 14.07 |
| 60) | T | Dibromochloromet... | 0.425 | 0.472 | 0.402 | 0.391 | 0.479 | 0.434 | 9.19 |
| 61) | T | 1,2-Dibromoethane | 0.395 | 0.435 | 0.362 | 0.341 | 0.420 | 0.390 | 10.02 |
| 62) | S | 4-Bromofluoroben... | 0.432 | 0.367 | 0.476 | 0.511 | 0.496 | 0.456 | 12.76 |
| 63) | I | Chlorobenzene-d5 | ----------ISTD---------- | | | | | | |
| 64) | T | Tetrachloroethene | 0.308 | 0.345 | 0.279 | 0.264 | 0.328 | 0.305 | 10.99 |
| 65) | PM | Chlorobenzene | 1.057 | 1.218 | 0.951 | 0.940 | 1.153 | 1.064 | 11.49 |
| 66) | T | 1,1,1,2-Tetrachl... | 0.402 | 0.423 | 0.349 | 0.335 | 0.409 | 0.384 | 10.11 |
| 67) | C | Ethyl Benzene | 1.650 | 1.968 | 1.601 | 1.637 | 2.022 | 1.775 | 11.39# |
| 68) | T | m/p-Xylenes | 0.612 | 0.765 | 0.637 | 0.615 | 0.767 | 0.679 | 11.77 |
| 69) | T | o-Xylene | 0.593 | 0.718 | 0.598 | 0.601 | 0.752 | 0.652 | 11.72 |
| 70) | T | Styrene | 0.906 | 1.260 | 1.063 | 1.061 | 1.312 | 1.120 | 14.72 |
| 71) | P | Bromoform | 0.286 | 0.344 | 0.285 | 0.289 | 0.352 | 0.311 | 10.91 |
| 72) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | |
| 73) | T | Isopropylbenzene | 2.660 | 3.518 | 2.804 | 2.859 | 3.653 | 3.099 | 14.61 |
| 74) | T | N-amyl acetate | | 1.023 | 0.884 | 0.942 | 1.236 | 1.021 | 15.09 |
| 75) | P | 1,1,2,2-Tetrachl... | 1.212 | 1.269 | 0.979 | 0.954 | 1.168 | 1.117 | 12.71 |
| 76) | T | 1,2,3-Trichlorop... | 0.969 | 1.172 | 0.866 | 0.857 | 1.064 | 0.986 | 13.63 |
| 77) | T | Bromobenzene | 0.851 | 0.919 | 0.716 | 0.720 | 0.916 | 0.825 | 12.22 |
| 78) | T | n-propylbenzene | 3.637 | 4.345 | 3.468 | 3.493 | 4.429 | 3.874 | 12.22 |
| 79) | T | 2-Chlorotoluene | 2.330 | 2.636 | 2.084 | 2.098 | 2.647 | 2.359 | 11.68 |
| 80) | T | 1,3,5-Trimethylb... | 2.388 | 3.064 | 2.400 | 2.472 | 3.079 | 2.680 | 13.36 |
| 81) | T | trans-1,4-Dichlo... | 0.303 | 0.381 | 0.308 | 0.337 | 0.447 | 0.355 | 16.84 |
| 82) | T | 4-Chlorotoluene | 2.124 | 2.748 | 2.146 | 2.162 | 2.705 | 2.377 | 13.44 |
| 83) | T | tert-Butylbenzene | 1.963 | 2.581 | 2.059 | 2.118 | 2.623 | 2.269 | 13.64 |
| 84) | T | 1,2,4-Trimethylb... | 2.418 | 3.101 | 2.514 | 2.539 | 3.174 | 2.749 | 13.04 |
| 85) | T | sec-Butylbenzene | 3.078 | 3.736 | 3.004 | 3.023 | 3.790 | 3.326 | 12.03 |
| 86) | T | p-Isopropyltoluene | 2.496 | 3.176 | 2.558 | 2.591 | 3.264 | 2.817 | 13.16 |
| 87) | T | 1,3-Dichlorobenzene | 1.689 | 1.798 | 1.403 | 1.409 | 1.745 | 1.609 | 11.75 |
| 88) | T | 1,4-Dichlorobenzene | 1.800 | 1.888 | 1.413 | 1.423 | 1.744 | 1.654 | 13.39 |
| 89) | T | n-Butylbenzene | 2.481 | 3.002 | 2.372 | 2.418 | 3.039 | 2.662 | 12.36 |
| 90) | T | Hexachloroethane | 0.631 | 0.665 | 0.505 | 0.509 | 0.633 | 0.588 | 12.88 |
| 91) | T | 1,2-Dichlorobenzene | 1.591 | 1.776 | 1.357 | 1.358 | 1.673 | 1.551 | 12.15 |
| 92) | T | 1,2-Dibromo-3-Ch... | 0.285 | 0.285 | 0.220 | 0.221 | 0.286 | 0.259 | 13.71 |
| 93) | T | 1,2,4-Trichlorob... | 0.867 | 0.991 | 0.791 | 0.830 | 1.099 | 0.916 | 13.89 |
| 94) | T | Hexachlorobutadiene | 0.348 | 0.381 | 0.293 | 0.288 | 0.375 | 0.337 | 13.11 |
| 95) | T | Naphthalene | 2.398 | 3.241 | 2.601 | 2.761 | 3.697 | 2.939 | 17.88 |
| 96) | T | 1,2,3-Trichlorob... | 0.780 | 1.020 | 0.783 | 0.800 | 1.068 | 0.890 | 15.91 |

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 222356 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 420635 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 399169 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 202125 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 18952 | 5.065 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 10.120%# | | |
| 35) Dibromofluoromethane | 8.153 | 113 | 15821 | 5.180 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 10.360%# | | |
| 50) Toluene-d8 | 10.541 | 98 | 50031 | 4.658 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 9.320%# | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 18155 | 4.729 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 9.460%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 13126 | 5.097 | ug/l | 99 |
| 3) Chloromethane | 2.383 | 50 | 14715 | 5.581 | ug/l | 93 |
| 4) Vinyl Chloride | 2.536 | 62 | 14589 | 5.423 | ug/l | 93 |
| 5) Bromomethane | 2.971 | 94 | 8627 | 5.173 | ug/l | 89 |
| 6) Chloroethane | 3.136 | 64 | 9834 | 5.623 | ug/l | 93 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 25997 | 5.936 | ug/l | 99 |
| 8) Diethyl Ether | 3.965 | 74 | 8903 | 5.381 | ug/l | 81 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 13274 | 5.734 | ug/l | 97 |
| 10) Methyl Iodide | 4.589 | 142 | 7442 | 3.572 | ug/l | 98 |
| 11) Tert butyl alcohol | 5.518 | 59 | 13898 | 25.785 | ug/l # | 84 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 13134 | 5.623 | ug/l | 85 |
| 13) Acrolein | 4.171 | 56 | 18861 | 27.272 | ug/l | 100 |
| 14) Allyl chloride | 5.012 | 41 | 19959 | 5.249 | ug/l | 92 |
| 15) Acrylonitrile | 5.712 | 53 | 43865 | 25.945 | ug/l | 99 |
| 16) Acetone | 4.430 | 43 | 46306m | 29.892 | ug/l | |
| 17) Carbon Disulfide | 4.700 | 76 | 39748 | 5.447 | ug/l | 100 |
| 18) Methyl Acetate | 5.012 | 43 | 18268 | 4.741 | ug/l # | 57 |
| 19) Methyl tert-butyl Ether | 5.794 | 73 | 45522 | 4.989 | ug/l | 100 |
| 20) Methylene Chloride | 5.265 | 84 | 19358 | 6.212 | ug/l # | 94 |
| 21) trans-1,2-Dichloroethene | 5.777 | 96 | 16849 | 5.884 | ug/l | 91 |
| 22) Diisopropyl ether | 6.665 | 45 | 45352 | 5.109 | ug/l # | 94 |
| 23) Vinyl Acetate | 6.588 | 43 | 176170 | 23.571 | ug/l | 98 |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 29249 | 5.640 | ug/l | 95 |
| 25) 2-Butanone | 7.477 | 43 | 61960 | 26.329 | ug/l | 94 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 25251 | 5.480 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 7.465 | 96 | 18948 | 5.562 | ug/l | 97 |
| 28) Bromochloromethane | 7.794 | 49 | 14841 | 5.267 | ug/l | 98 |
| 29) Tetrahydrofuran | 7.824 | 42 | 37229 | 24.706 | ug/l | 98 |
| 30) Chloroform | 7.947 | 83 | 31560 | 5.566 | ug/l | 94 |
| 31) Cyclohexane | 8.235 | 56 | 25850 | 6.160 | ug/l | 86 |
| 32) 1,1,1-Trichloroethane | 8.153 | 97 | 26469 | 5.524 | ug/l # | 86 |
| 36) 1,1-Dichloropropene | 8.359 | 75 | 18296 | 4.982 | ug/l | 95 |
| 37) Ethyl Acetate | 7.553 | 43 | 25308 | 5.248 | ug/l # | 96 |
| 38) Carbon Tetrachloride | 8.347 | 117 | 22056 | 5.234 | ug/l | 99 |
| 39) Methylcyclohexane | 9.582 | 83 | 18721 | 4.621 | ug/l # | 85 |
| 40) Benzene | 8.594 | 78 | 63389 | 5.213 | ug/l | 95 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.759 | 41 | 12197 | 4.894 | ug/l | # | 93 |
| 42) 1,2-Dichloroethane | 8.647 | 62 | 24064 | 5.303 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.676 | 43 | 37238 | 4.906 | ug/l | | 99 |
| 44) Trichloroethene | 9.329 | 130 | 15430 | 5.313 | ug/l | | 87 |
| 45) 1,2-Dichloropropane | 9.606 | 63 | 16459 | 5.398 | ug/l | # | 75 |
| 46) Dibromomethane | 9.694 | 93 | 11919 | 4.954 | ug/l | | 97 |
| 47) Bromodichloromethane | 9.865 | 83 | 24450 | 5.181 | ug/l | # | 93 |
| 48) Methyl methacrylate | 9.665 | 41 | 16484 | 4.689 | ug/l | | 89 |
| 49) 1,4-Dioxane | 9.688 | 88 | 5284 | 101.752 | ug/l | # | 76 |
| 51) 4-Methyl-2-Pentanone | 10.423 | 43 | 111966 | 23.639 | ug/l | | 97 |
| 52) Toluene | 10.606 | 92 | 37730 | 4.945 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 23406 | 4.847 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 24940 | 4.972 | ug/l | | 93 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 16385 | 5.281 | ug/l | # | 82 |
| 56) Ethyl methacrylate | 10.859 | 69 | 18199 | 4.060 | ug/l | | 96 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 25677 | 5.032 | ug/l | | 94 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 40658 | 19.289 | ug/l | | 100 |
| 59) 2-Hexanone | 11.182 | 43 | 62373 | 19.915 | ug/l | | 98 |
| 60) Dibromochloromethane | 11.335 | 129 | 17873 | 4.900 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 16603 | 5.055 | ug/l | | 96 |
| 64) Tetrachloroethene | 11.076 | 164 | 12289 | 5.054 | ug/l | | 94 |
| 65) Chlorobenzene | 11.870 | 112 | 42197 | 4.968 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131 | 16032 | 5.234 | ug/l | | 94 |
| 67) Ethyl Benzene | 11.947 | 91 | 65844 | 4.645 | ug/l | | 99 |
| 68) m/p-Xylenes | 12.053 | 106 | 48826 | 9.007 | ug/l | | 100 |
| 69) o-Xylene | 12.382 | 106 | 23662 | 4.543 | ug/l | | 99 |
| 70) Styrene | 12.388 | 104 | 36168 | 4.043 | ug/l | | 98 |
| 71) Bromoform | 12.564 | 173 | 11400 | 4.587 | ug/l | # | 94 |
| 73) Isopropylbenzene | 12.670 | 105 | 53756 | 4.291 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83 | 24506 | 5.429 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 19585m | 4.885 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 17210 | 5.163 | ug/l | | 95 |
| 78) n-propylbenzene | 13.011 | 91 | 73512 | 4.694 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 13.106 | 91 | 47102 | 4.939 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 48265 | 4.454 | ug/l | | 96 |
| 81) trans-1,4-Dichloro-2-b... | 12.729 | 75 | 6119 | 4.265 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 42937 | 4.468 | ug/l | | 95 |
| 83) tert-Butylbenzene | 13.411 | 119 | 39678 | 4.326 | ug/l | | 93 |
| 84) 1,2,4-Trimethylbenzene | 13.464 | 105 | 48866 | 4.397 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 62218 | 4.627 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 50459 | 4.431 | ug/l | | 97 |
| 87) 1,3-Dichlorobenzene | 13.711 | 146 | 34148 | 5.250 | ug/l | | 96 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 36387 | 5.444 | ug/l | | 92 |
| 89) n-Butylbenzene | 14.029 | 91 | 50142 | 4.659 | ug/l | | 94 |
| 90) Hexachloroethane | 14.311 | 117 | 12750 | 5.359 | ug/l | | 95 |
| 91) 1,2-Dichlorobenzene | 14.088 | 146 | 32149 | 5.128 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.688 | 75 | 5752 | 5.485 | ug/l | | 83 |
| 93) 1,2,4-Trichlorobenzene | 15.370 | 180 | 17526 | 4.735 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 7041 | 5.168 | ug/l | | 95 |
| 95) Naphthalene | 15.611 | 128 | 48467 | 4.079 | ug/l | | 97 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 15763 | 4.380 | ug/l | | 95 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

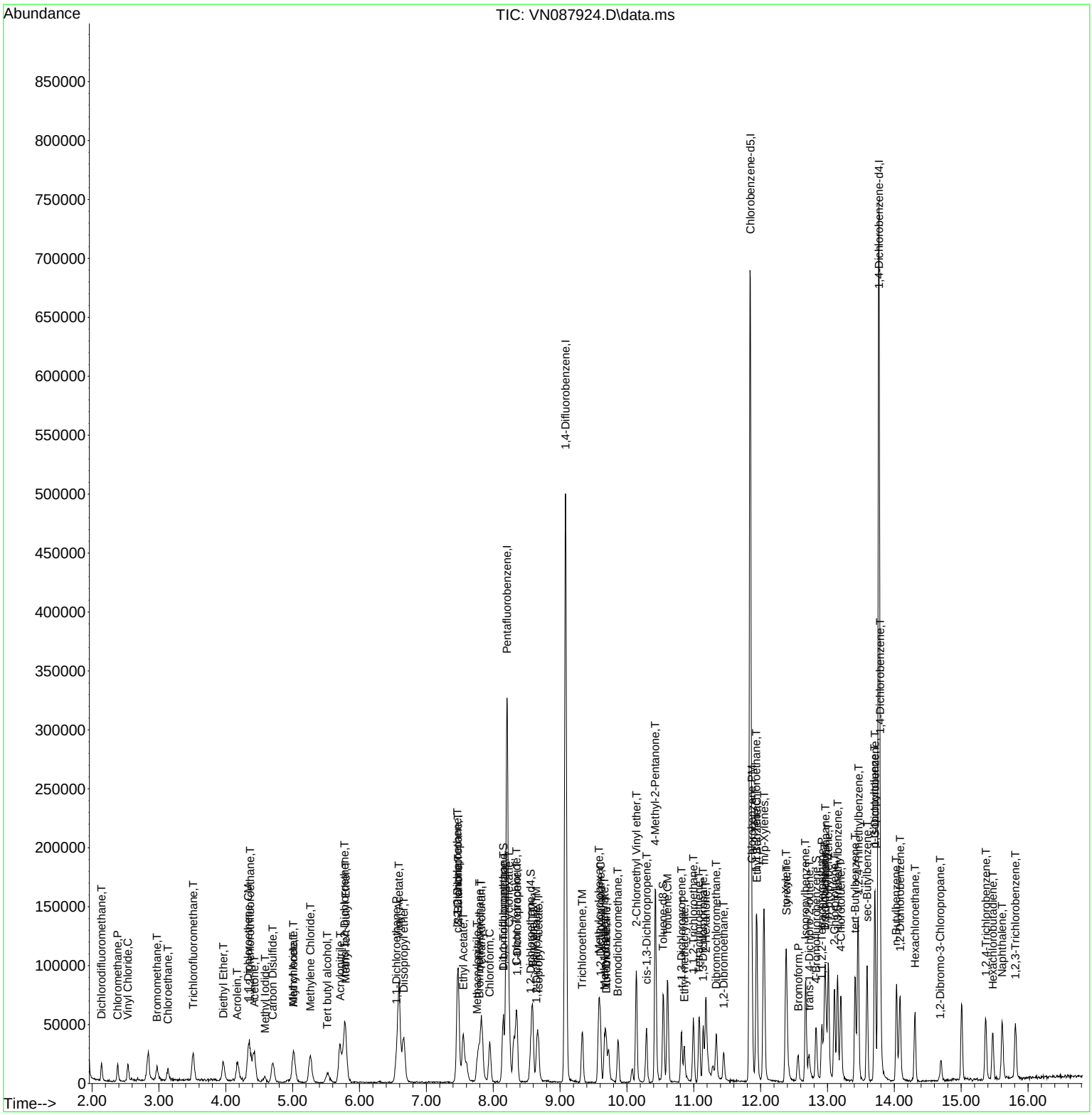
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087924.D
Acq On : 23 Sep 2025 09:33
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 24 04:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC005

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 254576 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 459281 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 454459 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 250450 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.565 | 65 | 222035 | 51.825 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 103.660% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 170968 | 51.270 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.540% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 621058 | 52.961 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 105.920% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 218627 | 52.158 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 104.320% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 133988 | 45.447 | ug/l | 100 |
| 3) Chloromethane | 2.383 | 50 | 135318 | 44.826 | ug/l | 100 |
| 4) Vinyl Chloride | 2.536 | 62 | 140827 | 45.727 | ug/l | 100 |
| 5) Bromomethane | 2.971 | 94 | 81343 | 42.604 | ug/l | 100 |
| 6) Chloroethane | 3.136 | 64 | 90403 | 45.146 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 224857 | 44.843 | ug/l | 100 |
| 8) Diethyl Ether | 3.965 | 74 | 86217 | 45.512 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 120911 | 45.623 | ug/l | 100 |
| 10) Methyl Iodide | 4.583 | 142 | 117736 | 49.360 | ug/l | 100 |
| 11) Tert butyl alcohol | 5.518 | 59 | 137080 | 222.139 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 4.330 | 96 | 119621 | 44.733 | ug/l | 100 |
| 13) Acrolein | 4.177 | 56 | 152801 | 192.981 | ug/l | 100 |
| 14) Allyl chloride | 5.012 | 41 | 193562 | 44.461 | ug/l | 100 |
| 15) Acrylonitrile | 5.706 | 53 | 443203 | 228.967 | ug/l | 100 |
| 16) Acetone | 4.424 | 43 | 379293 | 213.856 | ug/l | 100 |
| 17) Carbon Disulfide | 4.706 | 76 | 378095 | 45.253 | ug/l | 100 |
| 18) Methyl Acetate | 5.012 | 43 | 206999 | 46.922 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.783 | 73 | 485562 | 46.482 | ug/l | 100 |
| 20) Methylene Chloride | 5.265 | 84 | 158103 | 44.311 | ug/l | 100 |
| 21) trans-1,2-Dichloroethene | 5.771 | 96 | 145042 | 44.244 | ug/l | 100 |
| 22) Diisopropyl ether | 6.659 | 45 | 464786 | 45.733 | ug/l | 100 |
| 23) Vinyl Acetate | 6.589 | 43 | 1993514m | 232.968 | ug/l | |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 269051 | 45.314 | ug/l | 100 |
| 25) 2-Butanone | 7.471 | 43 | 609821 | 226.338 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 7.477 | 77 | 237294 | 44.982 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 175636 | 45.028 | ug/l | 100 |
| 28) Bromochloromethane | 7.794 | 49 | 168545 | 52.246 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 395920 | 229.492 | ug/l | 100 |
| 30) Chloroform | 7.947 | 83 | 291394 | 44.884 | ug/l | 100 |
| 31) Cyclohexane | 8.241 | 56 | 210496 | 43.814 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 243908 | 44.463 | ug/l | 100 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 187383 | 46.732 | ug/l | 100 |
| 37) Ethyl Acetate | 7.547 | 43 | 245980 | 46.716 | ug/l | 100 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 211771 | 46.026 | ug/l | 100 |
| 39) Methylcyclohexane | 9.577 | 83 | 204121 | 46.146 | ug/l | 100 |
| 40) Benzene | 8.588 | 78 | 621393 | 46.804 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 132245 | 48.599 | ug/l | 100 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 222149 | 44.838 | ug/l | 100 |
| 43) Isopropyl Acetate | 8.671 | 43 | 383082 | 46.221 | ug/l | 100 |
| 44) Trichloroethene | 9.335 | 130 | 144464 | 45.554 | ug/l | 100 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 152778 | 45.892 | ug/l | 100 |
| 46) Dibromomethane | 9.688 | 93 | 119379 | 45.445 | ug/l | 100 |
| 47) Bromodichloromethane | 9.871 | 83 | 239213 | 46.428 | ug/l | 100 |
| 48) Methyl methacrylate | 9.665 | 41 | 178460 | 46.496 | ug/l | 100 |
| 49) 1,4-Dioxane | 9.677 | 88 | 51757 | 912.802 | ug/l | 100 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 1234001 | 238.604 | ug/l | 100 |
| 52) Toluene | 10.612 | 92 | 389268 | 46.724 | ug/l | 100 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 242702 | 46.026 | ug/l | 100 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 249831 | 45.616 | ug/l | 100 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 155665 | 45.952 | ug/l | 100 |
| 56) Ethyl methacrylate | 10.853 | 69 | 236371 | 48.290 | ug/l | 100 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 260217 | 46.703 | ug/l | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 503361 | 218.716 | ug/l | 100 |
| 59) 2-Hexanone | 11.176 | 43 | 846472 | 247.530 | ug/l | 100 |
| 60) Dibromochloromethane | 11.335 | 129 | 184637 | 46.357 | ug/l | 100 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 166047 | 46.302 | ug/l | 100 |
| 64) Tetrachloroethene | 11.082 | 164 | 126588 | 45.728 | ug/l | 100 |
| 65) Chlorobenzene | 11.871 | 112 | 432322 | 44.702 | ug/l | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131 | 158774 | 45.525 | ug/l | 100 |
| 67) Ethyl Benzene | 11.941 | 91 | 727479 | 45.080 | ug/l | 100 |
| 68) m/p-Xylenes | 12.047 | 106 | 578820 | 93.784 | ug/l | 100 |
| 69) o-Xylene | 12.376 | 106 | 271677 | 45.817 | ug/l | 100 |
| 70) Styrene | 12.388 | 104 | 483179 | 47.446 | ug/l | 100 |
| 71) Bromoform | 12.559 | 173 | 129687 | 45.833 | ug/l | 100 |
| 73) Isopropylbenzene | 12.670 | 105 | 702353 | 45.248 | ug/l | 100 |
| 74) N-amyl acetate | 12.500 | 43 | 221335m | 47.870 | ug/l | |
| 75) 1,1,2,2-Tetrachloroethane | 12.912 | 83 | 245260 | 43.853 | ug/l | 100 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 216939m | 43.667 | ug/l | |
| 77) Bromobenzene | 12.959 | 156 | 179418 | 43.443 | ug/l | 100 |
| 78) n-propylbenzene | 13.012 | 91 | 868436 | 44.749 | ug/l | 100 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 521993 | 44.174 | ug/l | 100 |
| 80) 1,3,5-Trimethylbenzene | 13.147 | 105 | 601032 | 44.765 | ug/l | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 77199 | 43.422 | ug/l | 100 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 537514 | 45.143 | ug/l | 100 |
| 83) tert-Butylbenzene | 13.412 | 119 | 515745 | 45.383 | ug/l | 100 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 629687 | 45.724 | ug/l | 100 |
| 85) sec-Butylbenzene | 13.594 | 105 | 752465 | 45.162 | ug/l | 100 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 640667 | 45.400 | ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 351453 | 43.608 | ug/l | 100 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 353807 | 42.717 | ug/l | 100 |
| 89) n-Butylbenzene | 14.029 | 91 | 594156 | 44.552 | ug/l | 100 |
| 90) Hexachloroethane | 14.312 | 117 | 126396 | 42.879 | ug/l | 100 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 339824 | 43.744 | ug/l | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 55187 | 42.468 | ug/l | 100 |
| 93) 1,2,4-Trichlorobenzene | 15.364 | 180 | 198112 | 43.192 | ug/l | 100 |
| 94) Hexachlorobutadiene | 15.470 | 225 | 73457 | 43.512 | ug/l | 100 |
| 95) Naphthalene | 15.611 | 128 | 651337 | 44.238 | ug/l | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 196179 | 43.995 | ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 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

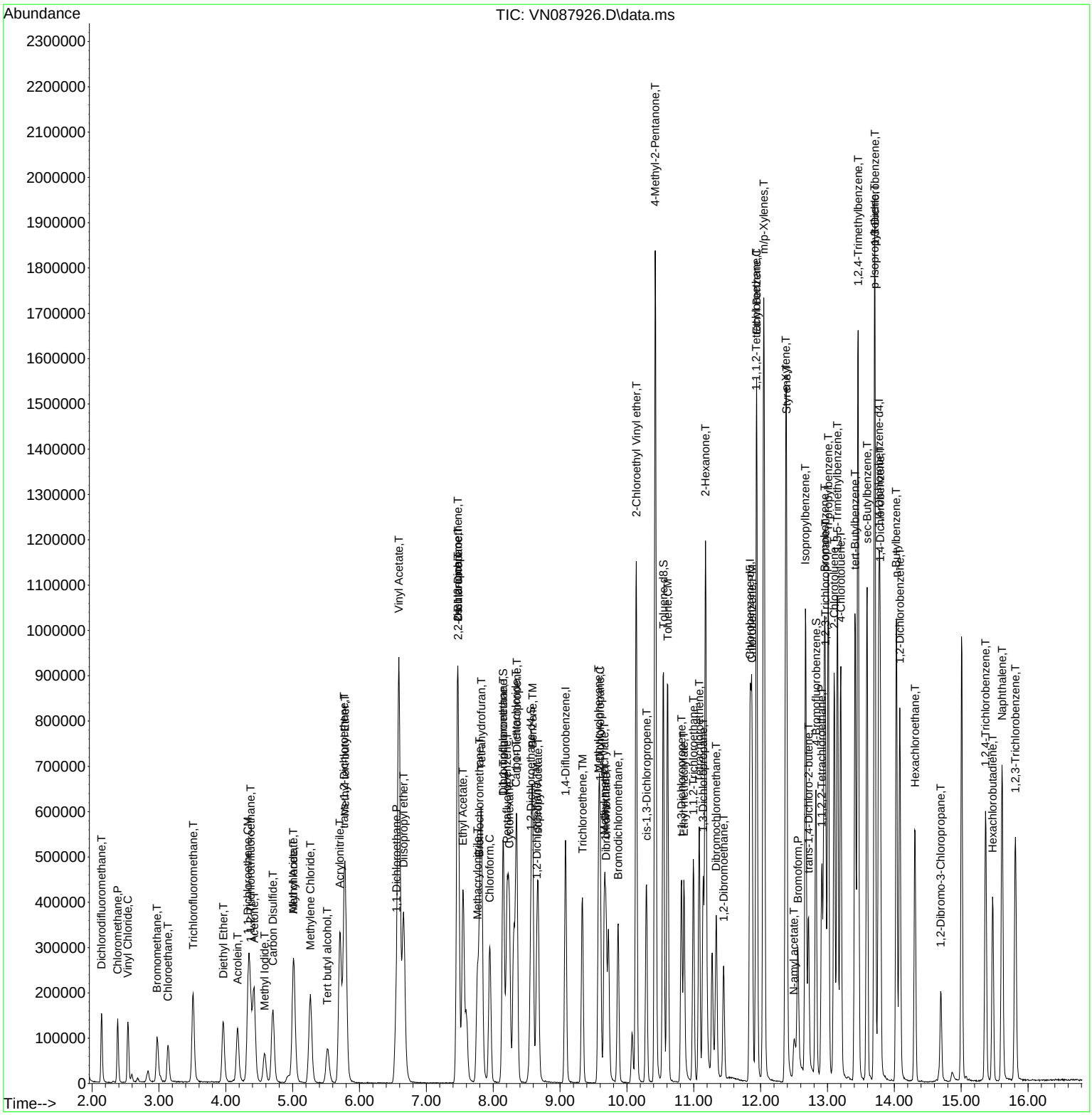
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087926.D
Acq On : 23 Sep 2025 10:15
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 24 04:48:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 250140 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 448432 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 431445 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 232835 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 450719 | 107.068 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 214.140%# | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 345448 | 106.100 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 212.200%# | | | |
| 50) Toluene-d8 | 10.547 | 98 | 1281272 | 111.905 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 223.820%# | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 458572 | 112.049 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 224.100%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 252462 | 87.151 | ug/l | 97 |
| 3) Chloromethane | 2.383 | 50 | 248449 | 83.763 | ug/l | 100 |
| 4) Vinyl Chloride | 2.536 | 62 | 258079 | 85.285 | ug/l | 100 |
| 5) Bromomethane | 2.959 | 94 | 165493 | 88.215 | ug/l | 98 |
| 6) Chloroethane | 3.130 | 64 | 168581 | 85.680 | ug/l | 92 |
| 7) Trichlorofluoromethane | 3.506 | 101 | 408423 | 82.895 | ug/l | 96 |
| 8) Diethyl Ether | 3.959 | 74 | 157544 | 84.639 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 219815 | 84.412 | ug/l | 98 |
| 10) Methyl Iodide | 4.577 | 142 | 238972 | 101.965 | ug/l | 96 |
| 11) Tert butyl alcohol | 5.524 | 59 | 261539 | 431.343 | ug/l | 98 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 224049 | 85.270 | ug/l | 95 |
| 13) Acrolein | 4.177 | 56 | 413952 | 532.076 | ug/l | 97 |
| 14) Allyl chloride | 5.012 | 41 | 375296 | 87.735 | ug/l | 99 |
| 15) Acrylonitrile | 5.712 | 53 | 820847 | 431.586 | ug/l | 99 |
| 16) Acetone | 4.418 | 43 | 684989 | 393.064 | ug/l | 98 |
| 17) Carbon Disulfide | 4.700 | 76 | 699756 | 85.238 | ug/l | 97 |
| 18) Methyl Acetate | 5.018 | 43 | 383631 | 88.503 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 905869 | 88.256 | ug/l | 100 |
| 20) Methylene Chloride | 5.259 | 84 | 285438 | 81.418 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 5.771 | 96 | 271323 | 84.233 | ug/l | 92 |
| 22) Diisopropyl ether | 6.659 | 45 | 881761 | 88.301 | ug/l | 95 |
| 23) Vinyl Acetate | 6.589 | 43 | 3755895m | 446.709 | ug/l | |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 492345 | 84.392 | ug/l | 99 |
| 25) 2-Butanone | 7.471 | 43 | 1133783 | 428.271 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.477 | 77 | 434345 | 83.795 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 327964 | 85.571 | ug/l | 99 |
| 28) Bromochloromethane | 7.800 | 49 | 299346 | 94.438 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 745260 | 439.646 | ug/l | 99 |
| 30) Chloroform | 7.947 | 83 | 537746 | 84.299 | ug/l | 97 |
| 31) Cyclohexane | 8.241 | 56 | 379372 | 80.366 | ug/l | 100 |
| 32) 1,1,1-Trichloroethane | 8.153 | 97 | 454412 | 84.305 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 350081 | 89.421 | ug/l | 98 |
| 37) Ethyl Acetate | 7.547 | 43 | 451409 | 87.805 | ug/l | 99 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 387306 | 86.213 | ug/l | 96 |
| 39) Methylcyclohexane | 9.582 | 83 | 390119 | 90.330 | ug/l | 99 |
| 40) Benzene | 8.588 | 78 | 1128183 | 87.033 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 235709 | 88.718 ug/l | 95 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 419019 | 86.620 ug/l | 99 |
| 43) Isopropyl Acetate | 8.671 | 43 | 725147 | 89.609 ug/l | 99 |
| 44) Trichloroethene | 9.335 | 130 | 272727 | 88.080 ug/l | 90 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 277676 | 85.427 ug/l | 100 |
| 46) Dibromomethane | 9.688 | 93 | 224518 | 87.537 ug/l | 97 |
| 47) Bromodichloromethane | 9.865 | 83 | 438840 | 87.234 ug/l | 98 |
| 48) Methyl methacrylate | 9.659 | 41 | 343963 | 91.785 ug/l | 96 |
| 49) 1,4-Dioxane | 9.677 | 88 | 94746 | 1711.395 ug/l # | 85 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 2280534 | 451.629 ug/l | 99 |
| 52) Toluene | 10.606 | 92 | 727172 | 89.394 ug/l | 99 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 464641 | 90.246 ug/l | 99 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 479067 | 89.589 ug/l | 99 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 285624 | 86.356 ug/l | 99 |
| 56) Ethyl methacrylate | 10.853 | 69 | 459730 | 96.195 ug/l | 99 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 483097 | 88.803 ug/l | 99 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 1121816 | 499.234 ug/l | 98 |
| 59) 2-Hexanone | 11.176 | 43 | 1603636 | 480.290 ug/l | 98 |
| 60) Dibromochloromethane | 11.335 | 129 | 350657 | 90.171 ug/l | 99 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 306002 | 87.393 ug/l | 100 |
| 64) Tetrachloroethene | 11.082 | 164 | 227824 | 86.687 ug/l | 97 |
| 65) Chlorobenzene | 11.871 | 112 | 811449 | 88.379 ug/l | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 289426 | 87.414 ug/l | 99 |
| 67) Ethyl Benzene | 11.941 | 91 | 1412236 | 92.180 ug/l | 98 |
| 68) m/p-Xylenes | 12.047 | 106 | 1061087 | 181.095 ug/l | 97 |
| 69) o-Xylene | 12.376 | 106 | 518806 | 92.161 ug/l | 97 |
| 70) Styrene | 12.388 | 104 | 915672 | 94.710 ug/l | 98 |
| 71) Bromoform | 12.559 | 173 | 249268 | 92.794 ug/l # | 99 |
| 73) Isopropylbenzene | 12.670 | 105 | 1331440 | 92.265 ug/l | 100 |
| 74) N-amyl acetate | 12.494 | 43 | 438667m | 102.053 ug/l | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 444065 | 85.408 ug/l | 99 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 398893m | 86.367 ug/l | |
| 77) Bromobenzene | 12.959 | 156 | 335228 | 87.310 ug/l | 99 |
| 78) n-propylbenzene | 13.012 | 91 | 1626563 | 90.155 ug/l | 99 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 977059 | 88.941 ug/l | 99 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 1151230 | 92.232 ug/l | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 156770 | 94.849 ug/l | 98 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 1006766 | 90.951 ug/l | 100 |
| 83) tert-Butylbenzene | 13.412 | 119 | 986126 | 93.339 ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 1182488 | 92.362 ug/l | 100 |
| 85) sec-Butylbenzene | 13.594 | 105 | 1407683 | 90.879 ug/l | 98 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 1206696 | 91.980 ug/l | 100 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 656218 | 87.583 ug/l | 99 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 662481 | 86.037 ug/l | 98 |
| 89) n-Butylbenzene | 14.035 | 91 | 1126206 | 90.837 ug/l | 100 |
| 90) Hexachloroethane | 14.306 | 117 | 236932 | 86.459 ug/l | 99 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 632359 | 87.559 ug/l | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 102736 | 85.039 ug/l | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.364 | 180 | 386396 | 90.615 ug/l | 96 |
| 94) Hexachlorobutadiene | 15.470 | 225 | 134018 | 85.390 ug/l | 99 |
| 95) Naphthalene | 15.611 | 128 | 1285628 | 93.924 ug/l | 98 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 372476 | 89.850 ug/l | 100 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 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

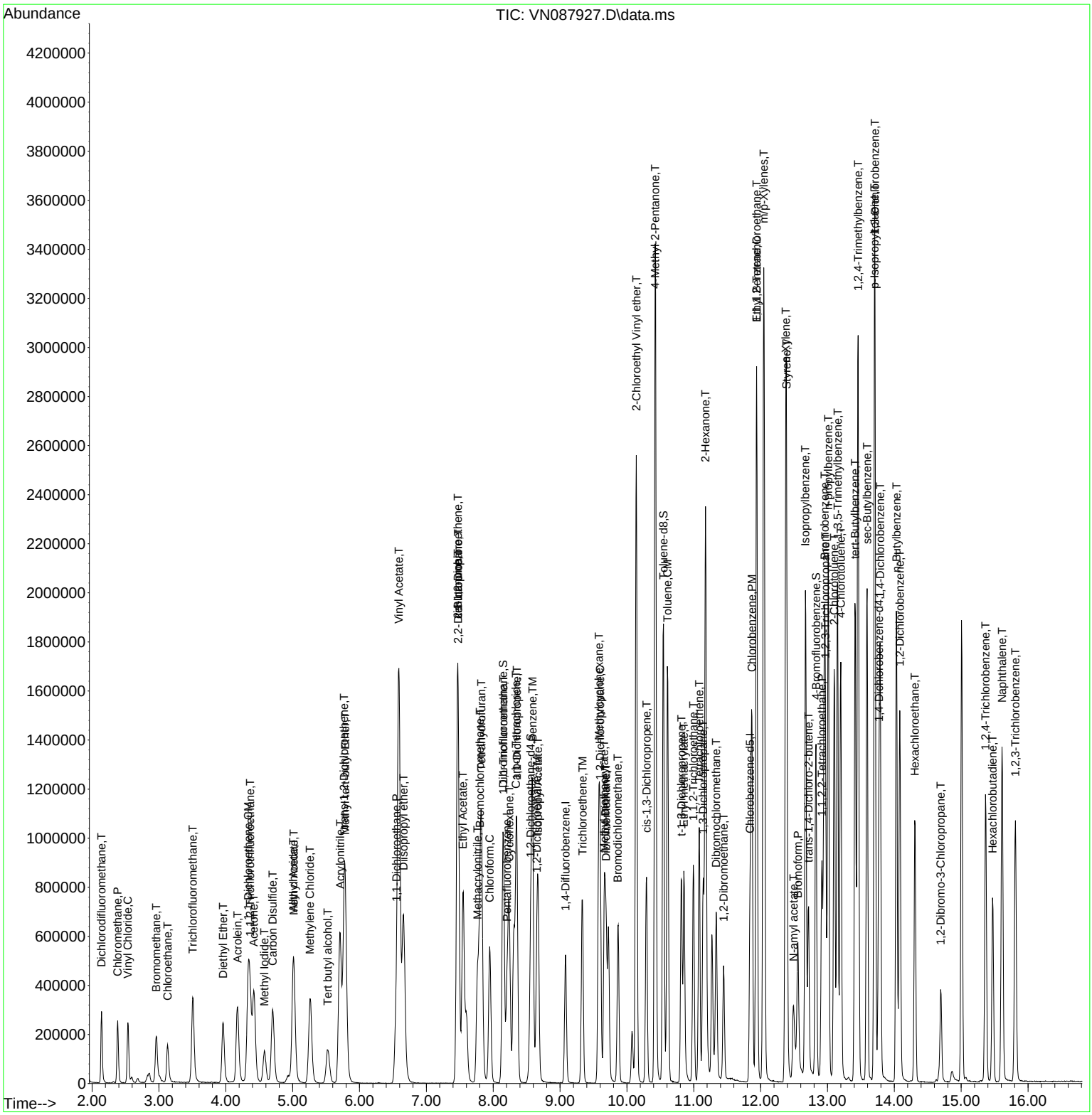
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087927.D
Acq On : 23 Sep 2025 10:36
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 24 04:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC100

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 261684 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 469572 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 448321 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 234506 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 688147 | 156.257 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 312.520%# | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 529816 | 155.401 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 310.800%# | | | |
| 50) Toluene-d8 | 10.547 | 98 | 1953189 | 162.910 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 325.820%# | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 698306 | 162.944 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 325.880%# | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 480645 | 158.601 | ug/l | 97 |
| 3) Chloromethane | 2.383 | 50 | 472896 | 152.400 | ug/l | 99 |
| 4) Vinyl Chloride | 2.536 | 62 | 481283 | 152.029 | ug/l | 99 |
| 5) Bromomethane | 2.942 | 94 | 325624 | 165.915 | ug/l | 97 |
| 6) Chloroethane | 3.118 | 64 | 319724 | 155.328 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.500 | 101 | 775109 | 150.380 | ug/l | 98 |
| 8) Diethyl Ether | 3.959 | 74 | 304158 | 156.198 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 4.359 | 101 | 414564 | 152.176 | ug/l | 97 |
| 10) Methyl Iodide | 4.577 | 142 | 465699 | 189.939 | ug/l | 97 |
| 11) Tert butyl alcohol | 5.530 | 59 | 507633 | 800.280 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 423177 | 153.951 | ug/l | 91 |
| 13) Acrolein | 4.177 | 56 | 683544 | 839.839 | ug/l | 95 |
| 14) Allyl chloride | 5.012 | 41 | 726966 | 162.449 | ug/l | 96 |
| 15) Acrylonitrile | 5.706 | 53 | 1569579 | 788.849 | ug/l | 99 |
| 16) Acetone | 4.418 | 43 | 1277870 | 700.927 | ug/l | 98 |
| 17) Carbon Disulfide | 4.700 | 76 | 1312297 | 152.800 | ug/l | 98 |
| 18) Methyl Acetate | 5.012 | 43 | 732961 | 161.634 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 1771056 | 164.937 | ug/l | 98 |
| 20) Methylene Chloride | 5.259 | 84 | 534218 | 145.657 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.771 | 96 | 513466 | 152.375 | ug/l | 96 |
| 22) Diisopropyl ether | 6.659 | 45 | 1726637 | 165.280 | ug/l | 97 |
| 23) Vinyl Acetate | 6.588 | 43 | 7327627m | 833.068 | ug/l | |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 947100 | 155.178 | ug/l | 99 |
| 25) 2-Butanone | 7.471 | 43 | 2176088 | 785.726 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 839353 | 154.787 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 631177 | 157.420 | ug/l | 99 |
| 28) Bromochloromethane | 7.794 | 49 | 447101 | 134.830 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 1456588 | 821.368 | ug/l | 99 |
| 30) Chloroform | 7.947 | 83 | 1030586 | 154.431 | ug/l | 100 |
| 31) Cyclohexane | 8.235 | 56 | 746273 | 151.116 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 889373 | 157.722 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 673022 | 164.170 | ug/l | 98 |
| 37) Ethyl Acetate | 7.547 | 43 | 874349 | 162.416 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 763232 | 162.245 | ug/l | 93 |
| 39) Methylcyclohexane | 9.576 | 83 | 791897 | 175.104 | ug/l | 98 |
| 40) Benzene | 8.588 | 78 | 2169328 | 159.817 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 460218 | 165.421 ug/l | | 97 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 796063 | 157.154 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.671 | 43 | 1418775 | 167.431 ug/l | | 99 |
| 44) Trichloroethene | 9.329 | 130 | 517259 | 159.533 ug/l | | 96 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 530435 | 155.841 ug/l | | 98 |
| 46) Dibromomethane | 9.688 | 93 | 432679 | 161.101 ug/l | | 96 |
| 47) Bromodichloromethane | 9.865 | 83 | 840816 | 159.615 ug/l | | 97 |
| 48) Methyl methacrylate | 9.665 | 41 | 674610 | 171.912 ug/l | | 96 |
| 49) 1,4-Dioxane | 9.682 | 88 | 190965 | 3294.105 ug/l | # | 82 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 4326882 | 818.303 ug/l | | 100 |
| 52) Toluene | 10.606 | 92 | 1406217 | 165.088 ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 916112 | 169.924 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 928185 | 165.762 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 540596 | 156.087 ug/l | | 98 |
| 56) Ethyl methacrylate | 10.853 | 69 | 907047 | 181.247 ug/l | | 98 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 916449 | 160.877 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 2200367 | 935.130 ug/l | | 98 |
| 59) 2-Hexanone | 11.176 | 43 | 3073538 | 879.085 ug/l | | 98 |
| 60) Dibromochloromethane | 11.335 | 129 | 674217 | 165.568 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 590968 | 161.179 ug/l | | 100 |
| 64) Tetrachloroethene | 11.082 | 164 | 440710 | 161.378 ug/l | | 95 |
| 65) Chlorobenzene | 11.870 | 112 | 1551249 | 162.594 ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.935 | 131 | 550130 | 159.899 ug/l | | 98 |
| 67) Ethyl Benzene | 11.941 | 91 | 2719603 | 170.833 ug/l | | 98 |
| 68) m/p-Xylenes | 12.047 | 106 | 2063388 | 338.900 ug/l | | 98 |
| 69) o-Xylene | 12.376 | 106 | 1010983 | 172.832 ug/l | | 99 |
| 70) Styrene | 12.388 | 104 | 1764226 | 175.610 ug/l | | 99 |
| 71) Bromoform | 12.559 | 173 | 473708 | 169.708 ug/l | # | 99 |
| 73) Isopropylbenzene | 12.670 | 105 | 2569941 | 176.821 ug/l | | 100 |
| 74) N-amyl acetate | 12.482 | 43 | 869458 | 200.832 ug/l | # | 71 |
| 75) 1,1,2,2-Tetrachloroethane | 12.917 | 83 | 821974 | 156.965 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 748421m | 160.891 ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 644570 | 166.683 ug/l | | 97 |
| 78) n-propylbenzene | 13.012 | 91 | 3116141 | 171.486 ug/l | | 99 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 1861996 | 168.288 ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 2165785 | 172.277 ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.717 | 75 | 314140 | 188.706 ug/l | | 97 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 1903146 | 170.704 ug/l | | 99 |
| 83) tert-Butylbenzene | 13.417 | 119 | 1845254 | 173.412 ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 2233067 | 173.177 ug/l | | 100 |
| 85) sec-Butylbenzene | 13.594 | 105 | 2666471 | 170.918 ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 2296563 | 173.808 ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 1227647 | 162.683 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 1227019 | 158.218 ug/l | | 98 |
| 89) n-Butylbenzene | 14.035 | 91 | 2137754 | 171.197 ug/l | | 99 |
| 90) Hexachloroethane | 14.306 | 117 | 445654 | 161.465 ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 1177111 | 161.827 ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75 | 201299 | 165.436 ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 15.364 | 180 | 773312 | 180.060 ug/l | | 97 |
| 94) Hexachlorobutadiene | 15.470 | 225 | 263904 | 166.949 ug/l | | 100 |
| 95) Naphthalene | 15.611 | 128 | 2600638 | 188.641 ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 751222 | 179.922 ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 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

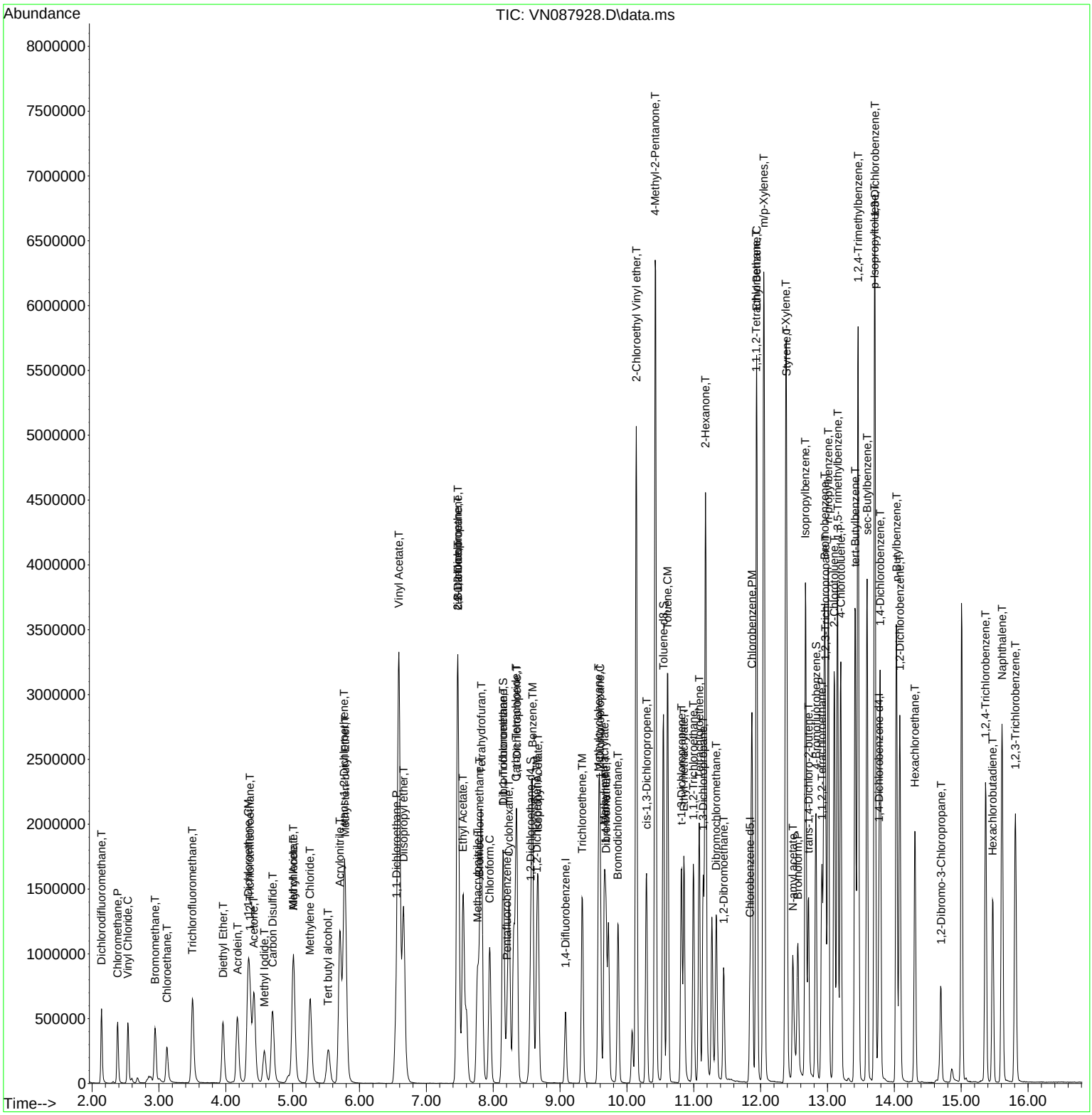
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087928.D
Acq On : 23 Sep 2025 10:56
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 24 04:49:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC150

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.212 | 168 | 245129 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 451275 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 417832 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 219754 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 69157 | 16.764 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 33.520%# | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 55145 | 16.830 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 33.660%# | | |
| 50) Toluene-d8 | 10.547 | 98 | 185268 | 16.079 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 32.160%# | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 66245 | 16.084 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 32.160%# | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 64880 | 22.855 | ug/l | 100 |
| 3) Chloromethane | 2.383 | 50 | 65904 | 22.673 | ug/l | 95 |
| 4) Vinyl Chloride | 2.542 | 62 | 67280 | 22.688 | ug/l | 97 |
| 5) Bromomethane | 2.977 | 94 | 41366 | 22.501 | ug/l | 98 |
| 6) Chloroethane | 3.136 | 64 | 41658 | 21.605 | ug/l | 90 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 104725 | 21.690 | ug/l | 99 |
| 8) Diethyl Ether | 3.953 | 74 | 41074 | 22.518 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 55225 | 21.641 | ug/l | 97 |
| 10) Methyl Iodide | 4.583 | 142 | 46507 | 20.249 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.524 | 59 | 68350 | 115.030 | ug/l # | 87 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 56732 | 22.033 | ug/l | 83 |
| 13) Acrolein | 4.177 | 56 | 72676 | 95.324 | ug/l | 98 |
| 14) Allyl chloride | 5.018 | 41 | 92277 | 22.013 | ug/l | 95 |
| 15) Acrylonitrile | 5.718 | 53 | 210865 | 113.135 | ug/l | 98 |
| 16) Acetone | 4.424 | 43 | 204534 | 119.766 | ug/l | 99 |
| 17) Carbon Disulfide | 4.706 | 76 | 182548 | 22.691 | ug/l | 100 |
| 18) Methyl Acetate | 5.018 | 43 | 97764 | 23.015 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 219348 | 21.807 | ug/l | 97 |
| 20) Methylene Chloride | 5.265 | 84 | 74638 | 21.725 | ug/l | 92 |
| 21) trans-1,2-Dichloroethene | 5.777 | 96 | 68186 | 21.601 | ug/l | 89 |
| 22) Diisopropyl ether | 6.659 | 45 | 211107 | 21.573 | ug/l | 97 |
| 23) Vinyl Acetate | 6.588 | 43 | 923787m | 112.117 | ug/l | |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 124326 | 21.746 | ug/l | 98 |
| 25) 2-Butanone | 7.471 | 43 | 295055 | 113.731 | ug/l | 97 |
| 26) 2,2-Dichloropropane | 7.477 | 77 | 115250 | 22.689 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 81272 | 21.639 | ug/l | 98 |
| 28) Bromochloromethane | 7.794 | 49 | 65753 | 21.168 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.830 | 42 | 185940 | 111.932 | ug/l | 99 |
| 30) Chloroform | 7.953 | 83 | 139611 | 22.333 | ug/l | 100 |
| 31) Cyclohexane | 8.241 | 56 | 99972 | 21.611 | ug/l | 96 |
| 32) 1,1,1-Trichloroethane | 8.153 | 97 | 117408 | 22.227 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 85120 | 21.605 | ug/l | 97 |
| 37) Ethyl Acetate | 7.553 | 43 | 109187 | 21.105 | ug/l | 97 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 98457 | 21.778 | ug/l | 94 |
| 39) Methylcyclohexane | 9.582 | 83 | 94068 | 21.644 | ug/l | 98 |
| 40) Benzene | 8.588 | 78 | 283203 | 21.710 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 56639 | 21.184 | ug/l | | 94 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 109893 | 22.574 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.677 | 43 | 176251 | 21.643 | ug/l | | 99 |
| 44) Trichloroethene | 9.335 | 130 | 67433 | 21.641 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 72572 | 22.186 | ug/l | | 93 |
| 46) Dibromomethane | 9.688 | 93 | 59412 | 23.018 | ug/l | | 93 |
| 47) Bromodichloromethane | 9.871 | 83 | 111245 | 21.974 | ug/l | | 95 |
| 48) Methyl methacrylate | 9.665 | 41 | 80574 | 21.365 | ug/l | | 97 |
| 49) 1,4-Dioxane | 9.682 | 88 | 24869 | 446.378 | ug/l | # | 83 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 561876 | 110.571 | ug/l | | 99 |
| 52) Toluene | 10.606 | 92 | 177153 | 21.641 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 111386 | 21.498 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 117557 | 21.845 | ug/l | | 97 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 74595 | 22.411 | ug/l | | 88 |
| 56) Ethyl methacrylate | 10.853 | 69 | 101192 | 21.040 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 120334 | 21.980 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 250611 | 110.825 | ug/l | | 99 |
| 59) 2-Hexanone | 11.176 | 43 | 363080 | 108.058 | ug/l | | 99 |
| 60) Dibromochloromethane | 11.341 | 129 | 85111 | 21.748 | ug/l | | 97 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 78541 | 22.290 | ug/l | | 97 |
| 64) Tetrachloroethene | 11.082 | 164 | 57619 | 22.638 | ug/l | | 93 |
| 65) Chlorobenzene | 11.871 | 112 | 203570 | 22.894 | ug/l | | 93 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 70713 | 22.053 | ug/l | | 97 |
| 67) Ethyl Benzene | 11.941 | 91 | 328980 | 22.173 | ug/l | | 96 |
| 68) m/p-Xylenes | 12.047 | 106 | 255651 | 45.053 | ug/l | | 98 |
| 69) o-Xylene | 12.376 | 106 | 120068 | 22.024 | ug/l | | 98 |
| 70) Styrene | 12.388 | 104 | 210587 | 22.491 | ug/l | | 98 |
| 71) Bromoform | 12.559 | 173 | 57576 | 22.132 | ug/l | # | 100 |
| 73) Isopropylbenzene | 12.676 | 105 | 309264 | 22.707 | ug/l | | 98 |
| 74) N-amyl acetate | 12.547 | 43 | 89886m | 22.156 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 111546 | 22.731 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 103062m | 23.643 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 80748 | 22.283 | ug/l | | 97 |
| 78) n-propylbenzene | 13.012 | 91 | 381954 | 22.431 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 231705 | 22.347 | ug/l | | 97 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 269309 | 22.860 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 33450 | 21.443 | ug/l | | 97 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 241534 | 23.119 | ug/l | | 100 |
| 83) tert-Butylbenzene | 13.417 | 119 | 226878 | 22.753 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 272614 | 22.561 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 328389 | 22.462 | ug/l | | 97 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 279181 | 22.547 | ug/l | | 97 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 158040 | 22.349 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 165954 | 22.835 | ug/l | | 99 |
| 89) n-Butylbenzene | 14.035 | 91 | 263875 | 22.550 | ug/l | | 98 |
| 90) Hexachloroethane | 14.312 | 117 | 58428 | 22.590 | ug/l | | 96 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 156108 | 22.902 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75 | 25095 | 22.009 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 15.364 | 180 | 87148 | 21.654 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 33457 | 22.586 | ug/l | | 99 |
| 95) Naphthalene | 15.611 | 128 | 284895 | 22.053 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 89684 | 22.922 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

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

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

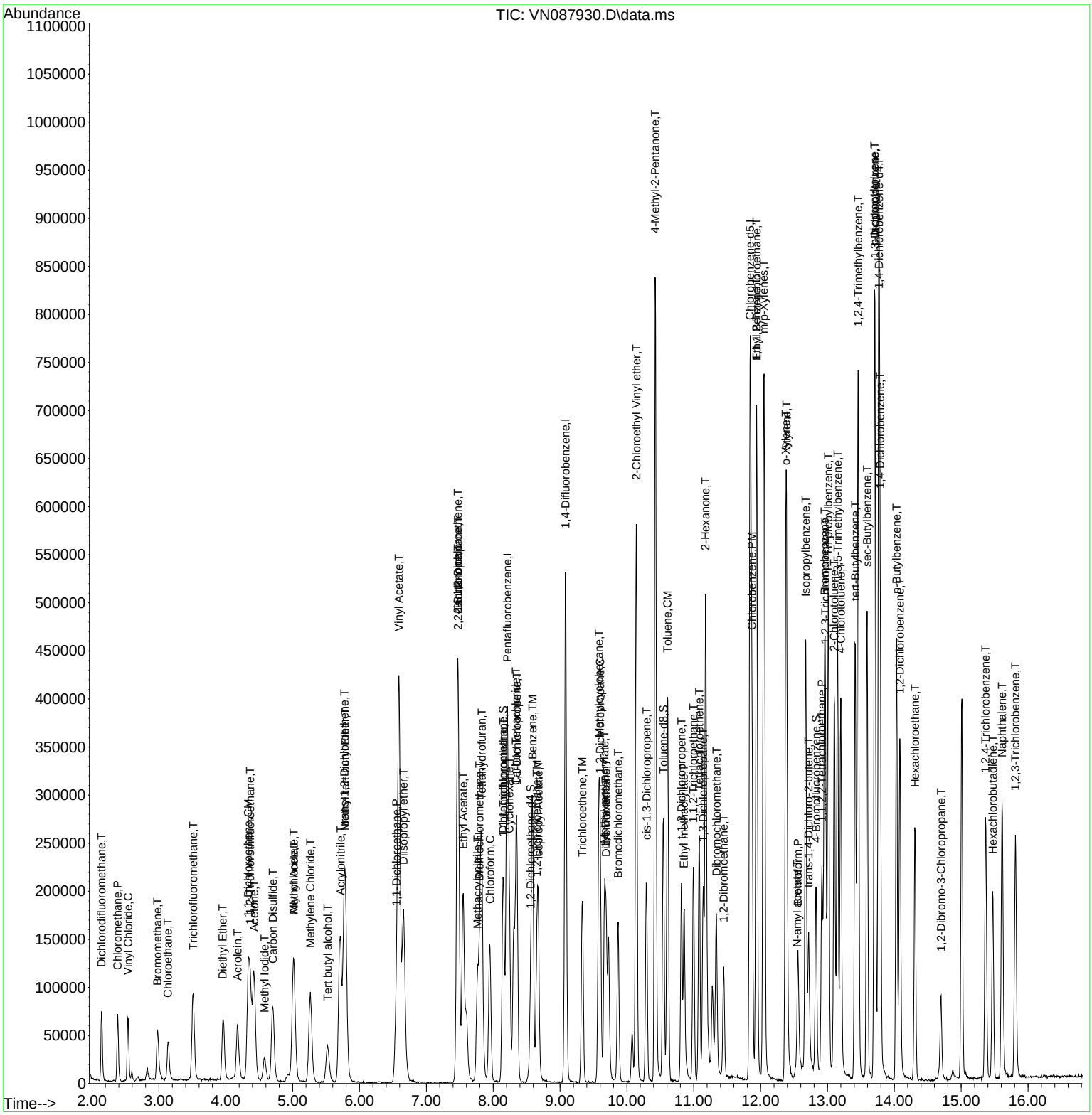
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087930.D
Acq On : 23 Sep 2025 11:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 24 04:50:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 04:45:42 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDICC020

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 277018 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.083 | 114 | 496020 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 466772 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152 | 243738 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 203626 | 43.678 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 87.360% | | |
| 35) Dibromofluoromethane | 8.153 | 113 | 156190 | 43.369 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 86.740% | | |
| 50) Toluene-d8 | 10.547 | 98 | 567044 | 44.774 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 89.540% | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 200630 | 44.319 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 88.640% | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 161997 | 50.496 | ug/l | 96 |
| 3) Chloromethane | 2.383 | 50 | 160833 | 48.962 | ug/l | 100 |
| 4) Vinyl Chloride | 2.536 | 62 | 165059 | 49.253 | ug/l | 97 |
| 5) Bromomethane | 2.971 | 94 | 113238 | 54.504 | ug/l | 97 |
| 6) Chloroethane | 3.136 | 64 | 108186 | 49.650 | ug/l | 100 |
| 7) Trichlorofluoromethane | 3.506 | 101 | 265455 | 48.650 | ug/l | 98 |
| 8) Diethyl Ether | 3.959 | 74 | 101038 | 49.015 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 137085 | 47.535 | ug/l | 96 |
| 10) Methyl Iodide | 4.577 | 142 | 150647 | 58.041 | ug/l | 98 |
| 11) Tert butyl alcohol | 5.524 | 59 | 181682 | 270.566 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 147146 | 50.568 | ug/l | 99 |
| 13) Acrolein | 4.177 | 56 | 213590 | 247.902 | ug/l | 98 |
| 14) Allyl chloride | 5.012 | 41 | 238489 | 50.343 | ug/l | 96 |
| 15) Acrylonitrile | 5.712 | 53 | 527698 | 250.533 | ug/l | 99 |
| 16) Acetone | 4.418 | 43 | 476656 | 248.497 | ug/l | 93 |
| 17) Carbon Disulfide | 4.701 | 76 | 441131 | 48.521 | ug/l | 99 |
| 18) Methyl Acetate | 5.018 | 43 | 252027 | 52.501 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 593372 | 52.201 | ug/l | 98 |
| 20) Methylene Chloride | 5.271 | 84 | 185323 | 47.732 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 5.777 | 96 | 176202 | 49.395 | ug/l | 88 |
| 22) Diisopropyl ether | 6.659 | 45 | 572737 | 51.790 | ug/l | 96 |
| 23) Vinyl Acetate | 6.589 | 43 | 2420654m | 259.965 | ug/l | |
| 24) 1,1-Dichloroethane | 6.553 | 63 | 319051 | 49.382 | ug/l | 98 |
| 25) 2-Butanone | 7.471 | 43 | 765845 | 261.219 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 288518 | 50.261 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 212644 | 50.099 | ug/l | 98 |
| 28) Bromochloromethane | 7.794 | 49 | 158210 | 45.070 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 481488 | 256.481 | ug/l | 99 |
| 30) Chloroform | 7.947 | 83 | 347740 | 49.224 | ug/l | 94 |
| 31) Cyclohexane | 8.236 | 56 | 249322 | 47.692 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 298473 | 50.001 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 223572 | 51.628 | ug/l | 98 |
| 37) Ethyl Acetate | 7.547 | 43 | 281650 | 49.529 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 254169 | 51.149 | ug/l | 96 |
| 39) Methylcyclohexane | 9.577 | 83 | 254097 | 53.190 | ug/l | 98 |
| 40) Benzene | 8.589 | 78 | 733552 | 51.160 | ug/l | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 151881 | 51.681 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 266146 | 49.739 | ug/l | | 100 |
| 43) Isopropyl Acetate | 8.671 | 43 | 465007 | 51.950 | ug/l | | 99 |
| 44) Trichloroethene | 9.330 | 130 | 174047 | 50.817 | ug/l | | 90 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 181803 | 50.566 | ug/l | | 98 |
| 46) Dibromomethane | 9.688 | 93 | 144476 | 50.925 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.871 | 83 | 282997 | 50.858 | ug/l | # | 96 |
| 48) Methyl methacrylate | 9.659 | 41 | 220518 | 53.199 | ug/l | | 95 |
| 49) 1,4-Dioxane | 9.683 | 88 | 71480 | 1167.270 | ug/l | # | 84 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 1464843 | 262.261 | ug/l | | 100 |
| 52) Toluene | 10.606 | 92 | 456380 | 50.722 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.812 | 75 | 297827 | 52.296 | ug/l | | 100 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 303245 | 51.268 | ug/l | | 98 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 184666 | 50.476 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.853 | 69 | 287401 | 54.367 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 314225 | 52.219 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 735137 | 295.766 | ug/l | | 98 |
| 59) 2-Hexanone | 11.177 | 43 | 1027998 | 278.348 | ug/l | | 98 |
| 60) Dibromochloromethane | 11.335 | 129 | 224473 | 52.185 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 199841 | 51.598 | ug/l | | 97 |
| 64) Tetrachloroethene | 11.082 | 164 | 145781 | 51.272 | ug/l | | 96 |
| 65) Chlorobenzene | 11.871 | 112 | 518200 | 52.168 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 188263 | 52.557 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.941 | 91 | 881499 | 53.183 | ug/l | | 97 |
| 68) m/p-Xylenes | 12.047 | 106 | 687129 | 108.396 | ug/l | | 100 |
| 69) o-Xylene | 12.377 | 106 | 330957 | 54.342 | ug/l | | 100 |
| 70) Styrene | 12.388 | 104 | 579999 | 55.451 | ug/l | | 98 |
| 71) Bromoform | 12.559 | 173 | 155551 | 53.524 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.671 | 105 | 848011 | 56.136 | ug/l | | 99 |
| 74) N-amyl acetate | 12.500 | 43 | 276693m | 55.590 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 277645 | 51.011 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.971 | 75 | 261896m | 54.509 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 215215 | 53.546 | ug/l | | 99 |
| 78) n-propylbenzene | 13.012 | 91 | 1041885 | 55.165 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 622023 | 54.089 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 13.147 | 105 | 739196 | 56.572 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 97122 | 56.132 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 643471 | 55.531 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.418 | 119 | 620261 | 56.083 | ug/l | | 96 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 750139 | 55.971 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 900122 | 55.512 | ug/l | | 97 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 774380 | 56.387 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 414732 | 52.877 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 430578 | 53.418 | ug/l | | 97 |
| 89) n-Butylbenzene | 14.035 | 91 | 718201 | 55.337 | ug/l | | 99 |
| 90) Hexachloroethane | 14.312 | 117 | 148145 | 51.641 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 408389 | 54.018 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 64838 | 51.268 | ug/l | | 96 |
| 93) 1,2,4-Trichlorobenzene | 15.365 | 180 | 243365 | 54.519 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 87738 | 53.402 | ug/l | | 100 |
| 95) Naphthalene | 15.612 | 128 | 802609 | 56.013 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.812 | 180 | 236254 | 54.441 | ug/l | | 99 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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

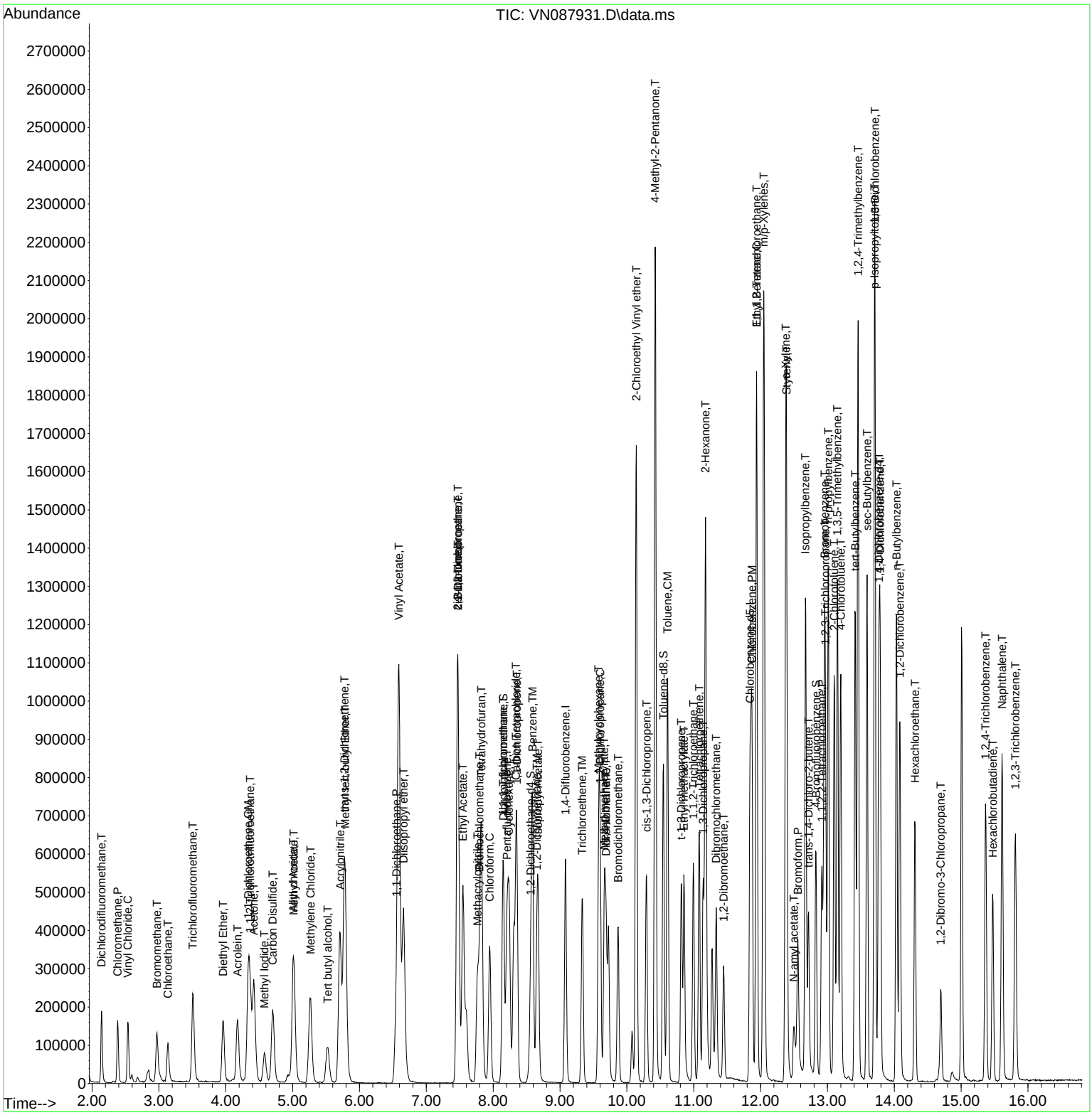
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 109 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.579 | 0.585 | -1.0 | 121 | 0.00 |
| 3 | P | Chloromethane | 0.593 | 0.581 | 2.0 | 119 | 0.00 |
| 4 | C | Vinyl Chloride | 0.605 | 0.596 | 1.5# | 117 | 0.00 |
| 5 | T | Bromomethane | 0.375 | 0.409 | -9.1 | 139 | 0.00 |
| 6 | T | Chloroethane | 0.393 | 0.391 | 0.5 | 120 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.985 | 0.958 | 2.7 | 118 | 0.00 |
| 8 | T | Diethyl Ether | 0.372 | 0.365 | 1.9 | 117 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.521 | 0.495 | 5.0 | 113 | 0.00 |
| 10 | T | Methyl Iodide | 0.468 | 0.544 | -16.2 | 128 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.121 | 0.131 | -8.3 | 133 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.525 | 0.531 | -1.1# | 123 | 0.00 |
| 13 | T | Acrolein | 0.156 | 0.154 | 1.3 | 140 | 0.00 |
| 14 | T | Allyl chloride | 0.855 | 0.861 | -0.7 | 123 | 0.00 |
| 15 | T | Acrylonitrile | 0.380 | 0.381 | -0.3 | 119 | 0.00 |
| 16 | T | Acetone | 0.346 | 0.344 | 0.6 | 126 | 0.00 |
| 17 | T | Carbon Disulfide | 1.641 | 1.592 | 3.0 | 117 | 0.00 |
| 18 | T | Methyl Acetate | 0.866 | 0.910 | -5.1 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.052 | 2.142 | -4.4 | 122 | 0.00 |
| 20 | T | Methylene Chloride | 0.701 | 0.669 | 4.6 | 117 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.644 | 0.636 | 1.2 | 121 | 0.00 |
| 22 | T | Diisopropyl ether | 1.996 | 2.068 | -3.6 | 123 | 0.00 |
| 23 | T | Vinyl Acetate | 1.681 | 1.748 | -4.0 | 121 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.166 | 1.152 | 1.2 | 119 | 0.00 |
| 25 | T | 2-Butanone | 0.529 | 0.553 | -4.5 | 126 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.036 | 1.042 | -0.6 | 122 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.766 | 0.768 | -0.3 | 121 | 0.00 |
| 28 | T | Bromochloromethane | 0.634 | 0.571 | 9.9 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.339 | 0.348 | -2.7 | 122 | 0.00 |
| 30 | C | Chloroform | 1.275 | 1.255 | 1.6# | 119 | 0.00 |
| 31 | T | Cyclohexane | 0.944 | 0.900 | 4.7 | 118 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.077 | 1.077 | 0.0 | 122 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.841 | 0.735 | 12.6 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.363 | 0.315 | 13.2 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.437 | 0.451 | -3.2 | 119 | 0.00 |
| 37 | T | Ethyl Acetate | 0.573 | 0.568 | 0.9 | 115 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.501 | 0.512 | -2.2 | 120 | 0.00 |
| 39 | T | Methylcyclohexane | 0.482 | 0.512 | -6.2 | 124 | 0.00 |
| 40 | TM | Benzene | 1.445 | 1.479 | -2.4 | 118 | 0.00 |
| 41 | T | Methacrylonitrile | 0.296 | 0.306 | -3.4 | 115 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.539 | 0.537 | 0.4 | 120 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.902 | 0.937 | -3.9 | 121 | 0.00 |
| 44 | TM | Trichloroethene | 0.345 | 0.351 | -1.7 | 120 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.362 | 0.367 | -1.4# | 119 | 0.00 |
| 46 | T | Dibromomethane | 0.286 | 0.291 | -1.7 | 121 | 0.00 |
| 47 | T | Bromodichloromethane | 0.561 | 0.571 | -1.8 | 118 | 0.00 |
| 48 | T | Methyl methacrylate | 0.418 | 0.445 | -6.5 | 124 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 0.006 | 0.007 | -16.7 | 138 | 0.00 |
| 50 | S | Toluene-d8 | 1.277 | 1.143 | 10.5 | 91 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.563 | 0.591 | -5.0 | 119 | 0.00 |
| 52 | CM | Toluene | 0.907 | 0.920 | -1.4# | 117 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.574 | 0.600 | -4.5 | 123 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.596 | 0.611 | -2.5 | 121 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.369 | 0.372 | -0.8 | 119 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.533 | 0.579 | -8.6 | 122 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.633 | -4.3 | 121 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.251 | 0.296 | -17.9 | 146 | 0.00 |
| 59 | T | 2-Hexanone | 0.372 | 0.414 | -11.3 | 121 | 0.00 |
| 60 | T | Dibromochloromethane | 0.434 | 0.453 | -4.4 | 122 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.390 | 0.403 | -3.3 | 120 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.456 | 0.404 | 11.4 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 0.305 | 0.312 | -2.3 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 1.064 | 1.110 | -4.3 | 120 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.384 | 0.403 | -4.9 | 119 | 0.00 |
| 67 | C | Ethyl Benzene | 1.775 | 1.889 | -6.4# | 121 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.736 | -8.4 | 119 | 0.00 |
| 69 | T | o-Xylene | 0.652 | 0.709 | -8.7 | 122 | 0.00 |
| 70 | T | Styrene | 1.120 | 1.243 | -11.0 | 120 | 0.00 |
| 71 | P | Bromoform | 0.311 | 0.333 | -7.1 | 120 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 3.099 | 3.479 | -12.3 | 121 | 0.00 |
| 74 | T | N-amyl acetate | 1.021 | 1.135 | -11.2 | 125 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.117 | 1.139 | -2.0 | 113 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.986 | 1.074 | -8.9 | 121 | 0.00 |
| 77 | T | Bromobenzene | 0.825 | 0.883 | -7.0 | 120 | 0.00 |
| 78 | T | n-propylbenzene | 3.874 | 4.275 | -10.4 | 120 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.359 | 2.552 | -8.2 | 119 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.680 | 3.033 | -13.2 | 123 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.355 | 0.398 | -12.1 | 126 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.377 | 2.640 | -11.1 | 120 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.269 | 2.545 | -12.2 | 120 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.749 | 3.078 | -12.0 | 119 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.326 | 3.693 | -11.0 | 120 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.817 | 3.177 | -12.8 | 121 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.609 | 1.702 | -5.8 | 118 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.654 | 1.767 | -6.8 | 122 | 0.00 |
| 89 | T | n-Butylbenzene | 2.662 | 2.947 | -10.7 | 121 | 0.00 |
| 90 | T | Hexachloroethane | 0.588 | 0.608 | -3.4 | 117 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.551 | 1.676 | -8.1 | 120 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.259 | 0.266 | -2.7 | 117 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.916 | 0.998 | -9.0 | 123 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.337 | 0.360 | -6.8 | 119 | 0.00 |
| 95 | T | Naphthalene | 2.939 | 3.293 | -12.0 | 123 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.890 | 0.969 | -8.9 | 120 | 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_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 109 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 50.496 | -1.0 | 121 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 48.962 | 2.1 | 119 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 49.253 | 1.5# | 117 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.504 | -9.0 | 139 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.650 | 0.7 | 120 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.650 | 2.7 | 118 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 49.015 | 2.0 | 117 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 47.535 | 4.9 | 113 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 58.041 | -16.1 | 128 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 270.566 | -8.2 | 133 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 50.568 | -1.1# | 123 | 0.00 |
| 13 | T | Acrolein | 250.000 | 247.902 | 0.8 | 140 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 50.343 | -0.7 | 123 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 250.533 | -0.2 | 119 | 0.00 |
| 16 | T | Acetone | 250.000 | 248.497 | 0.6 | 126 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 48.521 | 3.0 | 117 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 52.501 | -5.0 | 122 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 52.201 | -4.4 | 122 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.732 | 4.5 | 117 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 49.395 | 1.2 | 121 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 51.790 | -3.6 | 123 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 259.965 | -4.0 | 121 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 49.382 | 1.2 | 119 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 261.219 | -4.5 | 126 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 50.261 | -0.5 | 122 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 50.099 | -0.2 | 121 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.070 | 9.9 | 94 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 256.481 | -2.6 | 122 | 0.00 |
| 30 | C | Chloroform | 50.000 | 49.224 | 1.6# | 119 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 47.692 | 4.6 | 118 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 50.001 | -0.0 | 122 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 43.678 | 12.6 | 92 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 108 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 43.369 | 13.3 | 91 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 51.628 | -3.3 | 119 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 49.529 | 0.9 | 115 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 51.149 | -2.3 | 120 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 53.190 | -6.4 | 124 | 0.00 |
| 40 | TM | Benzene | 50.000 | 51.160 | -2.3 | 118 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 51.681 | -3.4 | 115 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 49.739 | 0.5 | 120 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 51.950 | -3.9 | 121 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 50.817 | -1.6 | 120 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 50.566 | -1.1# | 119 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 50.925 | -1.8 | 121 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 50.858 | -1.7 | 118 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 53.199 | -6.4 | 124 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 1167.270 | -16.7 | 138 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 44.774 | 10.5 | 91 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 262.261 | -4.9 | 119 | 0.00 |
| 52 | CM | Toluene | 50.000 | 50.722 | -1.4# | 117 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.296 | -4.6 | 123 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.268 | -2.5 | 121 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 50.476 | -1.0 | 119 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.367 | -8.7 | 122 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 52.219 | -4.4 | 121 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 295.766 | -18.3 | 146 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 278.348 | -11.3 | 121 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 52.185 | -4.4 | 122 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 51.598 | -3.2 | 120 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 44.319 | 11.4 | 92 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 51.272 | -2.5 | 115 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 52.168 | -4.3 | 120 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 52.557 | -5.1 | 119 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 53.183 | -6.4# | 121 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 108.396 | -8.4 | 119 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 54.342 | -8.7 | 122 | 0.00 |
| 70 | T | Styrene | 50.000 | 55.451 | -10.9 | 120 | 0.00 |
| 71 | P | Bromoform | 50.000 | 53.524 | -7.0 | 120 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 97 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 56.136 | -12.3 | 121 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 55.590 | -11.2 | 125 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 51.011 | -2.0 | 113 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 54.509 | -9.0 | 121 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 53.546 | -7.1 | 120 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 55.165 | -10.3 | 120 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 54.089 | -8.2 | 119 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 56.572 | -13.1 | 123 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 56.132 | -12.3 | 126 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 55.531 | -11.1 | 120 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 56.083 | -12.2 | 120 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 55.971 | -11.9 | 119 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 55.512 | -11.0 | 120 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 56.387 | -12.8 | 121 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 52.877 | -5.8 | 118 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 53.418 | -6.8 | 122 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 55.337 | -10.7 | 121 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 51.641 | -3.3 | 117 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 54.018 | -8.0 | 120 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 51.268 | -2.5 | 117 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 54.519 | -9.0 | 123 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 53.402 | -6.8 | 119 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 56.013 | -12.0 | 123 | 0.00 |

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087931.D
Acq On : 23 Sep 2025 15:08
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
ICVVN092325

Quant Time: Sep 24 05:21:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 54.441 | -8.9 | 120 | 0.00 |

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

Raw Data: **VN087933.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: Alliance
Contract: POWE02
Lab Code: ACE
SDG No.: Q3155
Instrument ID: MSVOA_N
Calibration Date/Time: 09/24/2025 08:27
Lab File ID: VN087933.D
Init. Calib. Date(s): 09/23/2025 09/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:33 11:47
GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.579 | 0.611 | | 5.53 | 20 |
| Chloromethane | 0.593 | 0.640 | 0.1 | 7.93 | 20 |
| Vinyl Chloride | 0.605 | 0.629 | | 3.97 | 20 |
| Bromomethane | 0.375 | 0.414 | | 10.4 | 20 |
| Chloroethane | 0.393 | 0.421 | | 7.13 | 20 |
| Trichlorofluoromethane | 0.985 | 1.050 | | 6.6 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.521 | 0.558 | | 7.1 | 20 |
| 1,1-Dichloroethene | 0.525 | 0.571 | | 8.76 | 20 |
| Acetone | 0.346 | 0.486 | | 40.46 | 20 |
| Carbon Disulfide | 1.641 | 1.742 | | 6.16 | 20 |
| Methyl tert-butyl Ether | 2.052 | 2.312 | | 12.67 | 20 |
| Methyl Acetate | 0.866 | 1.021 | | 17.9 | 20 |
| Methylene Chloride | 0.701 | 0.740 | | 5.56 | 20 |
| trans-1,2-Dichloroethene | 0.644 | 0.687 | | 6.68 | 20 |
| 1,1-Dichloroethane | 1.166 | 1.286 | 0.1 | 10.29 | 20 |
| Cyclohexane | 0.944 | 0.995 | | 5.4 | 20 |
| 2-Butanone | 0.529 | 0.661 | | 24.95 | 20 |
| Carbon Tetrachloride | 0.501 | 0.553 | | 10.38 | 20 |
| cis-1,2-Dichloroethene | 0.766 | 0.843 | | 10.05 | 20 |
| Bromochloromethane | 0.634 | 0.571 | | -9.94 | 20 |
| Chloroform | 1.275 | 1.405 | | 10.2 | 20 |
| 1,1,1-Trichloroethane | 1.077 | 1.199 | | 11.33 | 20 |
| Methylcyclohexane | 0.482 | 0.548 | | 13.69 | 20 |
| Benzene | 1.445 | 1.639 | | 13.43 | 20 |
| 1,2-Dichloroethane | 0.539 | 0.586 | | 8.72 | 20 |
| Trichloroethene | 0.345 | 0.383 | | 11.01 | 20 |
| 1,2-Dichloropropane | 0.362 | 0.395 | | 9.12 | 20 |
| Bromodichloromethane | 0.561 | 0.638 | | 13.73 | 20 |
| 4-Methyl-2-Pentanone | 0.563 | 0.667 | | 18.47 | 20 |
| Toluene | 0.907 | 1.023 | | 12.79 | 20 |
| t-1,3-Dichloropropene | 0.574 | 0.665 | | 15.85 | 20 |
| cis-1,3-Dichloropropene | 0.596 | 0.691 | | 15.94 | 20 |
| 1,1,2-Trichloroethane | 0.369 | 0.409 | | 10.84 | 20 |
| 2-Hexanone | 0.372 | 0.484 | | 30.11 | 20 |
| Dibromochloromethane | 0.434 | 0.493 | | 13.59 | 20 |
| 1,2-Dibromoethane | 0.390 | 0.433 | | 11.03 | 20 |
| Tetrachloroethene | 0.305 | 0.331 | | 8.52 | 20 |
| Chlorobenzene | 1.064 | 1.195 | 0.3 | 12.31 | 20 |

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

Raw Data: **VN087933.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: POWE02
Lab Code: ACE
SDG No.: Q3155
Instrument ID: MSVOA_N
Calibration Date/Time: 09/24/2025 08:27
Lab File ID: VN087933.D
Init. Calib. Date(s): 09/23/2025 09/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:33 11:47
GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.775 | 2.044 | | 15.15 | 20 |
| m/p-Xylenes | 0.679 | 0.798 | | 17.53 | 20 |
| o-Xylene | 0.652 | 0.755 | | 15.8 | 20 |
| Styrene | 1.120 | 1.317 | | 17.59 | 20 |
| Bromoform | 0.311 | 0.365 | 0.1 | 17.36 | 20 |
| Isopropylbenzene | 3.099 | 3.630 | | 17.14 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.117 | 1.230 | 0.3 | 10.12 | 20 |
| 1,3-Dichlorobenzene | 1.609 | 1.851 | | 15.04 | 20 |
| 1,4-Dichlorobenzene | 1.654 | 1.885 | | 13.97 | 20 |
| 1,2-Dichlorobenzene | 1.551 | 1.733 | | 11.73 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.259 | 0.278 | | 7.34 | 20 |
| 1,2,4-Trichlorobenzene | 0.916 | 1.048 | | 14.41 | 20 |
| 1,2,3-Trichlorobenzene | 0.890 | 1.040 | | 16.85 | 20 |
| 1,2-Dichloroethane-d4 | 0.841 | 0.796 | | -5.35 | 20 |
| Dibromofluoromethane | 0.363 | 0.341 | | -6.06 | 20 |
| Toluene-d8 | 1.277 | 1.189 | | -6.89 | 20 |
| 4-Bromofluorobenzene | 0.456 | 0.431 | | -5.48 | 20 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone
09/25/2025
Supervised By :Mahesh Dadoda
09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 248830 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.082 | 114 | 449654 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 427717 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 229002 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 198172 | 47.323 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 94.640% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 153156 | 46.912 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.820% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 534595 | 46.564 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 93.120% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 193711 | 47.203 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 94.400% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 152106 | 52.784 | ug/l | 97 |
| 3) Chloromethane | 2.383 | 50 | 159189 | 53.952 | ug/l | 99 |
| 4) Vinyl Chloride | 2.536 | 62 | 156528 | 51.999 | ug/l | 100 |
| 5) Bromomethane | 2.965 | 94 | 102943 | 55.162 | ug/l | 90 |
| 6) Chloroethane | 3.130 | 64 | 104720 | 53.503 | ug/l | 89 |
| 7) Trichlorofluoromethane | 3.506 | 101 | 261246 | 53.303 | ug/l | 93 |
| 8) Diethyl Ether | 3.959 | 74 | 102573 | 55.397 | ug/l | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 138828 | 53.593 | ug/l | 97 |
| 10) Methyl Iodide | 4.583 | 142 | 129576 | 55.579 | ug/l | 94 |
| 11) Tert butyl alcohol | 5.524 | 59 | 183763 | 304.666 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 142121 | 54.374 | ug/l | 91 |
| 13) Acrolein | 4.171 | 56 | 213073 | 275.317 | ug/l | 96 |
| 14) Allyl chloride | 5.012 | 41 | 241727 | 56.807 | ug/l | 98 |
| 15) Acrylonitrile | 5.706 | 53 | 543349 | 287.187 | ug/l | 99 |
| 16) Acetone | 4.418 | 43 | 604093 | 350.611 | ug/l | 97 |
| 17) Carbon Disulfide | 4.706 | 76 | 433401 | 53.071 | ug/l | 100 |
| 18) Methyl Acetate | 5.018 | 43 | 254132 | 58.937 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 575243 | 56.339 | ug/l | 97 |
| 20) Methylene Chloride | 5.265 | 84 | 184015 | 52.764 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 5.777 | 96 | 170912 | 53.340 | ug/l | 90 |
| 22) Diisopropyl ether | 6.659 | 45 | 569397 | 57.320 | ug/l | 94 |
| 23) Vinyl Acetate | 6.589 | 43 | 2625589 | 313.916 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.547 | 63 | 319963 | 55.133 | ug/l | 99 |
| 25) 2-Butanone | 7.471 | 43 | 822314 | 312.253 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.477 | 77 | 290553 | 56.350 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 209787 | 55.025 | ug/l | 99 |
| 28) Bromochloromethane | 7.800 | 49 | 142169 | 45.088 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 497430 | 294.990 | ug/l | 99 |
| 30) Chloroform | 7.947 | 83 | 349670 | 55.104 | ug/l | 96 |
| 31) Cyclohexane | 8.236 | 56 | 247642 | 52.737 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 8.153 | 97 | 298325 | 55.638 | ug/l | 97 |
| 36) 1,1-Dichloropropene | 8.353 | 75 | 223041 | 56.816 | ug/l | 98 |
| 37) Ethyl Acetate | 7.547 | 43 | 289500 | 56.159 | ug/l | 100 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 248492 | 55.163 | ug/l | 99 |
| 39) Methylcyclohexane | 9.582 | 83 | 246611 | 56.946 | ug/l | 98 |
| 40) Benzene | 8.588 | 78 | 736971 | 56.698 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone

09/25/2025

Supervised By :Mahesh Dadoda

09/26/2025

| Compound | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.759 | 41 | 150285 | 56.412 ug/l | | 95 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 263356 | 54.293 ug/l | | 99 |
| 43) Isopropyl Acetate | 8.671 | 43 | 473782 | 58.388 ug/l | | 100 |
| 44) Trichloroethene | 9.330 | 130 | 172123 | 55.438 ug/l | | 95 |
| 45) 1,2-Dichloropropane | 9.600 | 63 | 177676 | 54.513 ug/l | | 99 |
| 46) Dibromomethane | 9.688 | 93 | 142752 | 55.506 ug/l | | 98 |
| 47) Bromodichloromethane | 9.865 | 83 | 286880 | 56.872 ug/l | | 100 |
| 48) Methyl methacrylate | 9.665 | 41 | 222006 | 59.080 ug/l | | 95 |
| 49) 1,4-Dioxane | 9.682 | 88 | 71185 | 1282.318 ug/l | # | 82 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 1500300 | 296.306 ug/l | | 99 |
| 52) Toluene | 10.612 | 92 | 459785 | 56.369 ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 299223 | 57.959 ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 310488 | 57.906 ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 184053 | 55.496 ug/l | | 94 |
| 56) Ethyl methacrylate | 10.853 | 69 | 290699 | 60.661 ug/l | | 97 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 307756 | 56.418 ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 734787 | 326.109 ug/l | | 99 |
| 59) 2-Hexanone | 11.176 | 43 | 1087701 | 324.882 ug/l | | 99 |
| 60) Dibromochloromethane | 11.335 | 129 | 221692 | 56.853 ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 194728 | 55.462 ug/l | | 98 |
| 64) Tetrachloroethene | 11.082 | 164 | 141444 | 54.289 ug/l | | 96 |
| 65) Chlorobenzene | 11.871 | 112 | 511312 | 56.175 ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 187847 | 57.229 ug/l | | 97 |
| 67) Ethyl Benzene | 11.941 | 91 | 874275 | 57.564 ug/l | | 99 |
| 68) m/p-Xylenes | 12.047 | 106 | 683023 | 117.587 ug/l | | 100 |
| 69) o-Xylene | 12.376 | 106 | 322891 | 57.859 ug/l | | 98 |
| 70) Styrene | 12.388 | 104 | 563415 | 58.783 ug/l | | 99 |
| 71) Bromoform | 12.559 | 173 | 156007 | 58.583 ug/l | # | 98 |
| 73) Isopropylbenzene | 12.676 | 105 | 831337 | 58.574 ug/l | | 100 |
| 74) N-amyl acetate | 12.500 | 43 | 220526m | 47.157 ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 281676 | 55.082 ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.970 | 75 | 231978m | 51.389 ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 216293 | 57.277 ug/l | | 99 |
| 78) n-propylbenzene | 13.012 | 91 | 1027023 | 57.877 ug/l | | 99 |
| 79) 2-Chlorotoluene | 13.100 | 91 | 617760 | 57.175 ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 717763 | 58.467 ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.718 | 75 | 112243 | 69.046 ug/l | | 85 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 639502 | 58.739 ug/l | | 99 |
| 83) tert-Butylbenzene | 13.418 | 119 | 620694 | 59.733 ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 749831 | 59.548 ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 900743 | 59.124 ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 757709 | 58.723 ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 423962 | 57.532 ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 431567 | 56.986 ug/l | | 96 |
| 89) n-Butylbenzene | 14.035 | 91 | 713339 | 58.499 ug/l | | 99 |
| 90) Hexachloroethane | 14.306 | 117 | 147691 | 54.796 ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 396826 | 55.866 ug/l | | 100 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 63654 | 53.571 ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 15.364 | 180 | 239951 | 57.214 ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 85034 | 55.087 ug/l | | 98 |
| 95) Naphthalene | 15.611 | 128 | 798683 | 59.326 ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.811 | 180 | 238078 | 58.392 ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

**Manual Integrations APPROVED**

Reviewed By :John Carlone
09/25/2025
Supervised By :Mahesh Dadoda
09/26/2025

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VSTDCCC050

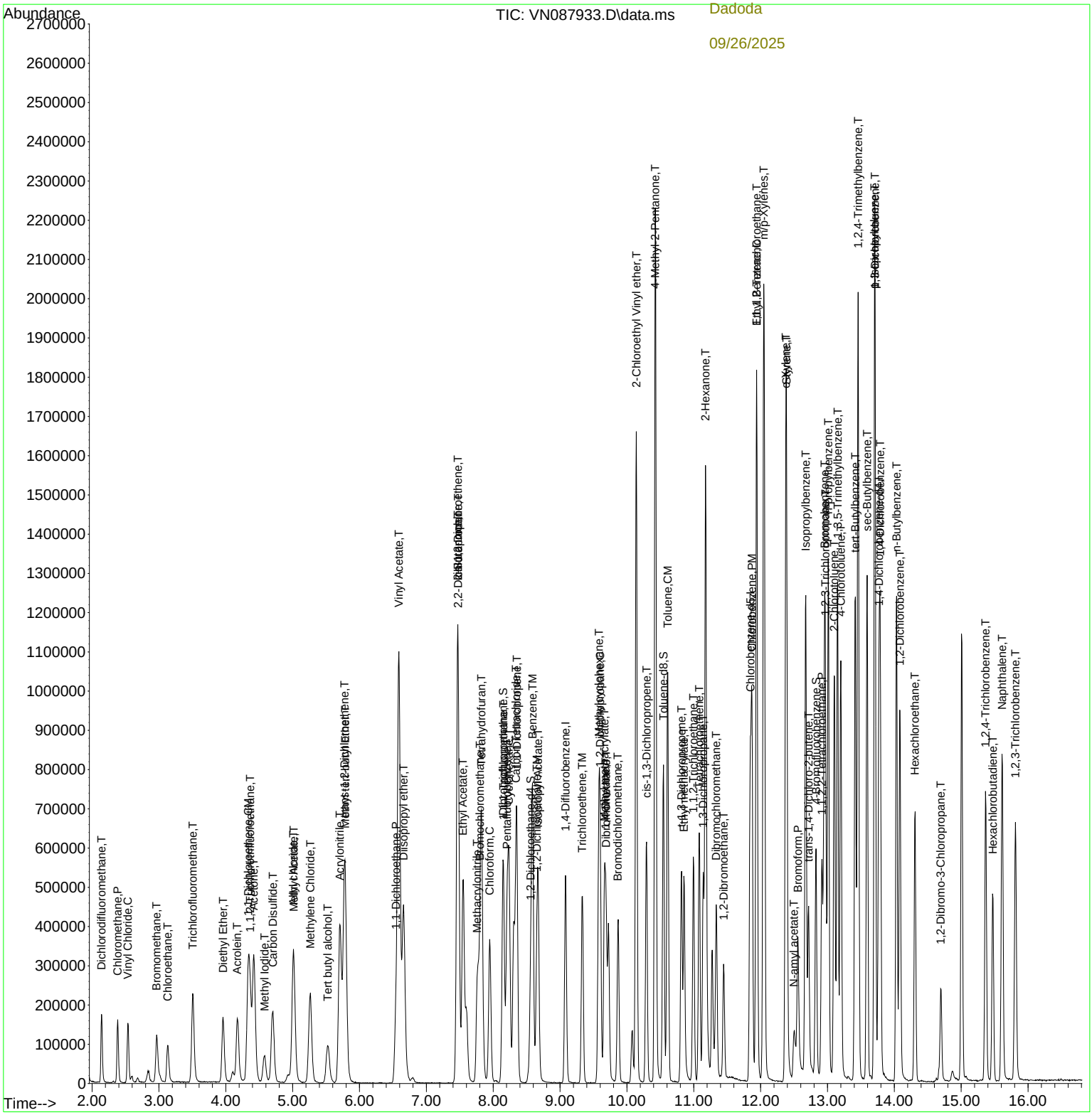
**Manual Integrations APPROVED**

Reviewed By :John Carlone

09/25/2025

Supervised By :Mahesh Dadoda

09/26/2025



Evaluate Continuing Calibration Report

Sample Results: **VN087933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.579 | 0.611 | -5.5 | 114 | 0.00 |
| 3 | P | Chloromethane | 0.593 | 0.640 | -7.9 | 118 | 0.00 |
| 4 | C | Vinyl Chloride | 0.605 | 0.629 | -4.0# | 111 | 0.00 |
| 5 | T | Bromomethane | 0.375 | 0.414 | -10.4 | 127 | 0.00 |
| 6 | T | Chloroethane | 0.393 | 0.421 | -7.1 | 116 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.985 | 1.050 | -6.6 | 116 | 0.00 |
| 8 | T | Diethyl Ether | 0.372 | 0.412 | -10.8 | 119 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.521 | 0.558 | -7.1 | 115 | 0.00 |
| 10 | T | Methyl Iodide | 0.468 | 0.521 | -11.3 | 110 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.121 | 0.148 | -22.3 | 134 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.525 | 0.571 | -8.8# | 119 | 0.00 |
| 13 | T | Acrolein | 0.156 | 0.171 | -9.6 | 139 | 0.00 |
| 14 | T | Allyl chloride | 0.855 | 0.971 | -13.6 | 125 | 0.00 |
| 15 | T | Acrylonitrile | 0.380 | 0.437 | -15.0 | 123 | 0.00 |
| 16 | T | Acetone | 0.346 | 0.486 | -40.5# | 159# | 0.00 |
| 17 | T | Carbon Disulfide | 1.641 | 1.742 | -6.2 | 115 | 0.00 |
| 18 | T | Methyl Acetate | 0.866 | 1.021 | -17.9 | 123 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 2.052 | 2.312 | -12.7 | 118 | 0.00 |
| 20 | T | Methylene Chloride | 0.701 | 0.740 | -5.6 | 116 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.644 | 0.687 | -6.7 | 118 | 0.00 |
| 22 | T | Diisopropyl ether | 1.996 | 2.288 | -14.6 | 123 | 0.00 |
| 23 | T | Vinyl Acetate | 1.681 | 2.110 | -25.5# | 132 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.166 | 1.286 | -10.3 | 119 | 0.00 |
| 25 | T | 2-Butanone | 0.529 | 0.661 | -25.0 | 135 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 1.036 | 1.168 | -12.7 | 122 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.766 | 0.843 | -10.1 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 0.634 | 0.571 | 9.9 | 84 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.339 | 0.400 | -18.0 | 126 | 0.00 |
| 30 | C | Chloroform | 1.275 | 1.405 | -10.2# | 120 | 0.00 |
| 31 | T | Cyclohexane | 0.944 | 0.995 | -5.4 | 118 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 1.077 | 1.199 | -11.3 | 122 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.841 | 0.796 | 5.4 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.363 | 0.341 | 6.1 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 0.437 | 0.496 | -13.5 | 119 | 0.00 |
| 37 | T | Ethyl Acetate | 0.573 | 0.644 | -12.4 | 118 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.501 | 0.553 | -10.4 | 117 | 0.00 |
| 39 | T | Methylcyclohexane | 0.482 | 0.548 | -13.7 | 121 | 0.00 |
| 40 | TM | Benzene | 1.445 | 1.639 | -13.4 | 119 | 0.00 |
| 41 | T | Methacrylonitrile | 0.296 | 0.334 | -12.8 | 114 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.539 | 0.586 | -8.7 | 119 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.902 | 1.054 | -16.9 | 124 | 0.00 |
| 44 | TM | Trichloroethene | 0.345 | 0.383 | -11.0 | 119 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.362 | 0.395 | -9.1# | 116 | 0.00 |
| 46 | T | Dibromomethane | 0.286 | 0.317 | -10.8 | 120 | 0.00 |
| 47 | T | Bromodichloromethane | 0.561 | 0.638 | -13.7 | 120 | 0.00 |
| 48 | T | Methyl methacrylate | 0.418 | 0.494 | -18.2 | 124 | 0.00 |

Sample Results: **VN087933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 0.006 | 0.008 | -33.3# | 138 | 0.00 |
| 50 | S | Toluene-d8 | 1.277 | 1.189 | 6.9 | 86 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.563 | 0.667 | -18.5 | 122 | 0.00 |
| 52 | CM | Toluene | 0.907 | 1.023 | -12.8# | 118 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.574 | 0.665 | -15.9 | 123 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.596 | 0.691 | -15.9 | 124 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.369 | 0.409 | -10.8 | 118 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.533 | 0.646 | -21.2 | 123 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.607 | 0.684 | -12.7 | 118 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.251 | 0.327 | -30.3# | 146 | 0.00 |
| 59 | T | 2-Hexanone | 0.372 | 0.484 | -30.1# | 128 | 0.00 |
| 60 | T | Dibromochloromethane | 0.434 | 0.493 | -13.6 | 120 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.390 | 0.433 | -11.0 | 117 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.456 | 0.431 | 5.5 | 89 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 0.305 | 0.331 | -8.5 | 112 | 0.00 |
| 65 | PM | Chlorobenzene | 1.064 | 1.195 | -12.3 | 118 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.384 | 0.439 | -14.3 | 118 | 0.00 |
| 67 | C | Ethyl Benzene | 1.775 | 2.044 | -15.2# | 120 | 0.00 |
| 68 | T | m/p-Xylenes | 0.679 | 0.798 | -17.5 | 118 | 0.00 |
| 69 | T | o-Xylene | 0.652 | 0.755 | -15.8 | 119 | 0.00 |
| 70 | T | Styrene | 1.120 | 1.317 | -17.6 | 117 | 0.00 |
| 71 | P | Bromoform | 0.311 | 0.365 | -17.4 | 120 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 3.099 | 3.630 | -17.1 | 118 | 0.00 |
| 74 | T | N-amyl acetate | 1.021 | 0.963 | 5.7 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.117 | 1.230 | -10.1 | 115 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.986 | 1.013 | -2.7 | 107 | 0.00 |
| 77 | T | Bromobenzene | 0.825 | 0.945 | -14.5 | 121 | 0.00 |
| 78 | T | n-propylbenzene | 3.874 | 4.485 | -15.8 | 118 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.359 | 2.698 | -14.4 | 118 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 2.680 | 3.134 | -16.9 | 119 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.355 | 0.490 | -38.0# | 145 | 0.00 |
| 82 | T | 4-Chlorotoluene | 2.377 | 2.793 | -17.5 | 119 | 0.00 |
| 83 | T | tert-Butylbenzene | 2.269 | 2.710 | -19.4 | 120 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 2.749 | 3.274 | -19.1 | 119 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.326 | 3.933 | -18.3 | 120 | 0.00 |
| 86 | T | p-Isopropyltoluene | 2.817 | 3.309 | -17.5 | 118 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.609 | 1.851 | -15.0 | 121 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.654 | 1.885 | -14.0 | 122 | 0.00 |
| 89 | T | n-Butylbenzene | 2.662 | 3.115 | -17.0 | 120 | 0.00 |
| 90 | T | Hexachloroethane | 0.588 | 0.645 | -9.7 | 117 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.551 | 1.733 | -11.7 | 117 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.259 | 0.278 | -7.3 | 115 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 0.916 | 1.048 | -14.4 | 121 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.337 | 0.371 | -10.1 | 116 | 0.00 |
| 95 | T | Naphthalene | 2.939 | 3.488 | -18.7 | 123 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 0.890 | 1.040 | -16.9 | 121 | 0.00 |

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

Sample Results: **VN087933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 98 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 52.784 | -5.6 | 114 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 53.952 | -7.9 | 118 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 51.999 | -4.0# | 111 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 55.162 | -10.3 | 127 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 53.503 | -7.0 | 116 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 53.303 | -6.6 | 116 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 55.397 | -10.8 | 119 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 53.593 | -7.2 | 115 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 55.579 | -11.2 | 110 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 304.666 | -21.9 | 134 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 54.374 | -8.7# | 119 | 0.00 |
| 13 | T | Acrolein | 250.000 | 275.317 | -10.1 | 139 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 56.807 | -13.6 | 125 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 287.187 | -14.9 | 123 | 0.00 |
| 16 | T | Acetone | 250.000 | 350.611 | -40.2# | 159 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 53.071 | -6.1 | 115 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 58.937 | -17.9 | 123 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 56.339 | -12.7 | 118 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 52.764 | -5.5 | 116 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 53.340 | -6.7 | 118 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 57.320 | -14.6 | 123 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 313.916 | -25.6# | 132 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 55.133 | -10.3 | 119 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 312.253 | -24.9 | 135 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 56.350 | -12.7 | 122 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 55.025 | -10.0 | 119 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 45.088 | 9.8 | 84 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 294.990 | -18.0 | 126 | 0.00 |
| 30 | C | Chloroform | 50.000 | 55.104 | -10.2# | 120 | 0.00 |
| 31 | T | Cyclohexane | 50.000 | 52.737 | -5.5 | 118 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 55.638 | -11.3 | 122 | 0.00 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 47.323 | 5.4 | 89 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 98 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 46.912 | 6.2 | 90 | 0.00 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 56.816 | -13.6 | 119 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 56.159 | -12.3 | 118 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 55.163 | -10.3 | 117 | 0.00 |
| 39 | T | Methylcyclohexane | 50.000 | 56.946 | -13.9 | 121 | 0.00 |
| 40 | TM | Benzene | 50.000 | 56.698 | -13.4 | 119 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 56.412 | -12.8 | 114 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 54.293 | -8.6 | 119 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 58.388 | -16.8 | 124 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 55.438 | -10.9 | 119 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 54.513 | -9.0# | 116 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 55.506 | -11.0 | 120 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 56.872 | -13.7 | 120 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 59.080 | -18.2 | 124 | 0.00 |

Sample Results: **VN087933.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 1282.318 | -28.2# | 138 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 46.564 | 6.9 | 86 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 296.306 | -18.5 | 122 | 0.00 |
| 52 | CM | Toluene | 50.000 | 56.369 | -12.7# | 118 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 57.959 | -15.9 | 123 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 57.906 | -15.8 | 124 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 55.496 | -11.0 | 118 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 60.661 | -21.3 | 123 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 56.418 | -12.8 | 118 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 326.109 | -30.4# | 146 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 324.882 | -30.0# | 128 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 56.853 | -13.7 | 120 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 55.462 | -10.9 | 117 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.203 | 5.6 | 89 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 94 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 54.289 | -8.6 | 112 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 56.175 | -12.3 | 118 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 57.229 | -14.5 | 118 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 57.564 | -15.1# | 120 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 117.587 | -17.6 | 118 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 57.859 | -15.7 | 119 | 0.00 |
| 70 | T | Styrene | 50.000 | 58.783 | -17.6 | 117 | 0.00 |
| 71 | P | Bromoform | 50.000 | 58.583 | -17.2 | 120 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 91 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 58.574 | -17.1 | 118 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 47.157 | 5.7 | 100 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 55.082 | -10.2 | 115 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 51.389 | -2.8 | 107 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 57.277 | -14.6 | 121 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 57.877 | -15.8 | 118 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 57.175 | -14.3 | 118 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 58.467 | -16.9 | 119 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 69.046 | -38.1# | 145 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 58.739 | -17.5 | 119 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 59.733 | -19.5 | 120 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 59.548 | -19.1 | 119 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 59.124 | -18.2 | 120 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 58.723 | -17.4 | 118 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 57.532 | -15.1 | 121 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 56.986 | -14.0 | 122 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 58.499 | -17.0 | 120 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 54.796 | -9.6 | 117 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 55.866 | -11.7 | 117 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.571 | -7.1 | 115 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 57.214 | -14.4 | 121 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 55.087 | -10.2 | 116 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 59.326 | -18.7 | 123 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087933.D
Acq On : 24 Sep 2025 08:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**LabSampleId :**
VSTDCCC050

Quant Time: Sep 25 03:04:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 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 | 58.392 | -16.8 | 121 | 0.00 |

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

# QC SAMPLE DATA

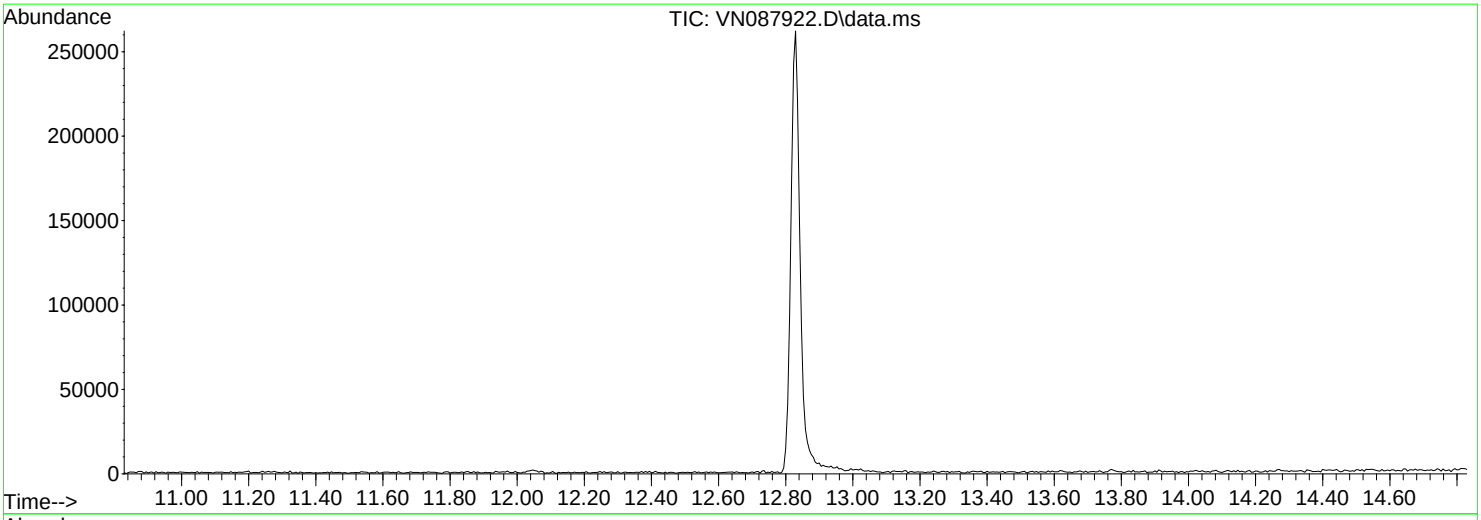
Sample Results: **VN087922.D**

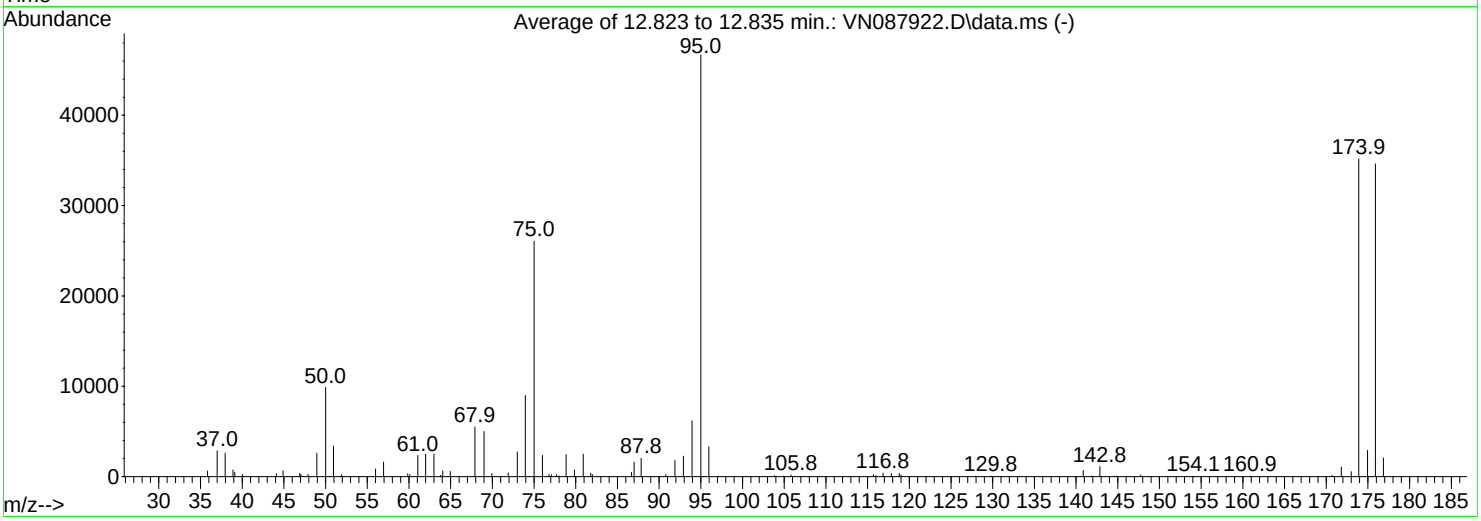
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092325\
Data File : VN087922.D
Acq On : 23 Sep 2025 08:31
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025




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

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 21.1 | 9874 | PASS |
| 75 | 95 | 30 | 60 | 55.8 | 26056 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 46688 | PASS |
| 96 | 95 | 5 | 9 | 7.1 | 3306 | PASS |
| 173 | 174 | 0.00 | 2 | 1.6 | 554 | PASS |
| 174 | 95 | 50 | 100 | 75.3 | 35176 | PASS |
| 175 | 174 | 5 | 9 | 8.3 | 2908 | PASS |
| 176 | 174 | 95 | 101 | 98.4 | 34627 | PASS |
| 177 | 176 | 5 | 9 | 6.0 | 2077 | PASS |

Average of 12.823 to 12.835 min.: VN087922.D\data.ms
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.85 | 625 | 48.95 | 2588 | 63.80 | 152 | 75.00 | 2605 |
| 37.00 | 2871 | 50.00 | 9874 | 64.05 | 645 | 76.00 | 233 |
| 37.95 | 2605 | 50.95 | 3389 | 64.95 | 588 | 76.80 | 22 |
| 38.90 | 742 | 51.90 | 213 | 66.00 | 61 | 77.10 | 20 |
| 39.10 | 485 | 56.00 | 853 | 67.00 | 79 | 77.70 | 218 |
| 40.05 | 250 | 56.95 | 1606 | 67.90 | 5482 | 78.00 | 70 |
| 44.10 | 330 | 59.85 | 316 | 69.00 | 5001 | 78.85 | 2440 |
| 44.90 | 658 | 60.10 | 236 | 69.95 | 346 | 79.85 | 751 |
| 46.90 | 367 | 61.05 | 2344 | 71.90 | 433 | 80.90 | 2498 |
| 47.05 | 246 | 62.00 | 2480 | 73.00 | 2738 | 81.80 | 389 |
| 47.90 | 253 | 63.00 | 2501 | 73.95 | 8981 | 82.00 | 222 |

**Instrument :**
MSVOA_N
**ClientSampleId :**
BFB

Average of 12.823 to 12.835 min.: VN087922.D\data.ms
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 86.70 | 487 | 104.90 | 74 | 141.90 | 65 | 173.90 | 35176 |
| 87.00 | 1618 | 105.80 | 183 | 142.85 | 1122 | 174.95 | 2908 |
| 87.85 | 2037 | 115.70 | 188 | 144.60 | 61 | 175.90 | 34627 |
| 90.80 | 228 | 116.00 | 127 | 144.90 | 85 | 176.85 | 2077 |
| 91.90 | 1791 | 116.85 | 389 | 147.75 | 172 | | |
| 92.90 | 2267 | 117.85 | 359 | 154.10 | 52 | | |
| 93.95 | 6190 | 118.80 | 369 | 160.90 | 59 | | |
| 95.00 | 46688 | 119.00 | 193 | 170.70 | 137 | | |
| 95.95 | 3306 | 127.90 | 51 | 170.90 | 58 | | |
| 97.10 | 61 | 129.80 | 57 | 171.80 | 1053 | | |
| 103.80 | 124 | 140.85 | 699 | 173.00 | 554 | | |

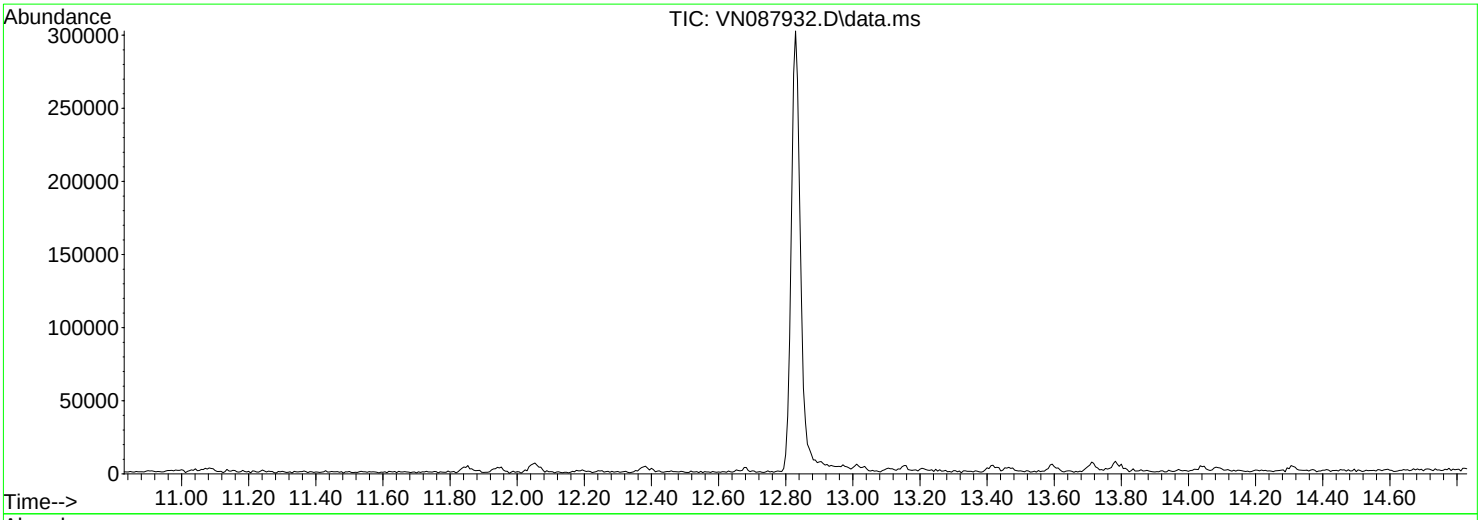
Sample Results: **VN087932.D**

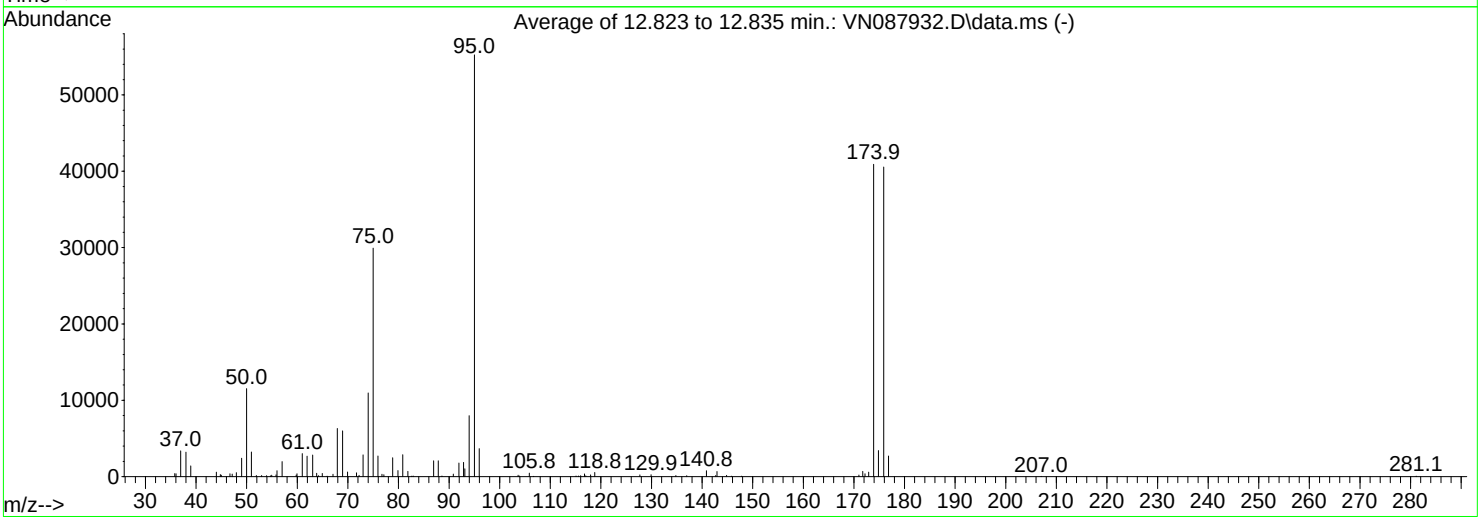
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087932.D
Acq On : 24 Sep 2025 07:41
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025




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

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 20.9 | 11523 | PASS |
| 75 | 95 | 30 | 60 | 54.2 | 29931 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 55245 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 3678 | PASS |
| 173 | 174 | 0.00 | 2 | 1.4 | 589 | PASS |
| 174 | 95 | 50 | 100 | 74.1 | 40912 | PASS |
| 175 | 174 | 5 | 9 | 8.4 | 3418 | PASS |
| 176 | 174 | 95 | 101 | 99.1 | 40560 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 2698 | PASS |

Average of 12.823 to 12.835 min.: VN087932.D\data.ms
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 35.80 | 395 | 49.00 | 2406 | 59.80 | 203 | 68.95 | 599 |
| 36.05 | 382 | 50.00 | 11523 | 59.95 | 385 | 69.95 | 61 |
| 36.95 | 3368 | 50.95 | 3230 | 61.00 | 3027 | 71.70 | 50 |
| 38.00 | 3212 | 51.90 | 140 | 61.95 | 2691 | 72.20 | 16 |
| 38.95 | 1408 | 52.95 | 144 | 63.05 | 2821 | 73.00 | 2844 |
| 44.00 | 581 | 53.95 | 135 | 63.85 | 439 | 74.00 | 10971 |
| 44.80 | 282 | 54.70 | 111 | 64.20 | 120 | 75.00 | 29931 |
| 45.00 | 198 | 54.95 | 188 | 64.95 | 423 | 75.95 | 2699 |
| 46.70 | 382 | 55.80 | 227 | 65.90 | 55 | 76.75 | 314 |
| 47.15 | 342 | 56.00 | 769 | 67.05 | 320 | 77.10 | 249 |
| 47.95 | 523 | 57.00 | 1967 | 67.90 | 6304 | 78.85 | 2472 |

**Instrument :**
MSVOA_N
**ClientSampleId :**
BFB

Average of 12.823 to 12.835 min.: VN087932.D\data.ms
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 79.90 | 791 | 93.10 | 1029 | 116.75 | 362 | 144.85 | 163 |
| 80.85 | 2871 | 93.95 | 7977 | 117.00 | 115 | 145.80 | 61 |
| 81.85 | 702 | 95.00 | 55245 | 117.95 | 234 | 147.80 | 72 |
| 82.60 | 59 | 95.95 | 3678 | 118.80 | 550 | 171.00 | 211 |
| 82.90 | 91 | 103.65 | 184 | 127.70 | 233 | 171.75 | 682 |
| 86.95 | 2077 | 103.90 | 92 | 129.90 | 256 | 172.20 | 374 |
| 87.85 | 2068 | 105.85 | 455 | 134.80 | 146 | 172.90 | 589 |
| 88.60 | 84 | 106.70 | 50 | 136.95 | 116 | 173.90 | 40912 |
| 90.85 | 334 | 115.10 | 84 | 140.85 | 786 | 174.85 | 3418 |
| 91.95 | 1783 | 115.60 | 76 | 142.70 | 152 | 175.90 | 40560 |
| 92.85 | 1872 | 116.00 | 120 | 142.95 | 676 | 176.85 | 2698 |

Average of 12.823 to 12.835 min.: VN087932.D\data.ms
BFB
Modified:subtracted

| m/z | abund. | m/z | abund. | m/z | abund. | m/z | abund. |
|---|---|---|---|---|---|---|---|
| 207.00 | 35 | | | | | | |
| 281.10 | 59 | | | | | | |

Raw Data: **VN087935.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBL01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087935.D | 1 | 09/24/25 09:47 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 74-87-3 | Chloromethane | 0.32 | U | 0.32 | 5.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.26 | U | 0.26 | 5.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.47 | U | 0.47 | 5.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.33 | U | 0.33 | 5.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 67-64-1 | Acetone | 1.50 | U | 1.50 | 25.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.21 | U | 0.21 | 5.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.27 | U | 0.27 | 5.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.28 | U | 0.28 | 5.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 5.00 | ug/L |
| 110-82-7 | Cyclohexane | 1.50 | U | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 0.98 | U | 0.98 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 5.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 5.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.16 | U | 0.16 | 5.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.090 | U | 0.090 | 5.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.20 | U | 0.20 | 5.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.22 | U | 0.22 | 5.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.68 | U | 0.68 | 25.0 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBL01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087935.D | 1 | 09/24/25 09:47 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.17 | U | 0.17 | 5.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 5.00 | ug/L |
| 591-78-6 | 2-Hexanone | 0.89 | U | 0.89 | 25.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 5.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.15 | U | 0.15 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 5.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.24 | U | 0.24 | 10.0 | ug/L |
| 95-47-6 | o-Xylene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 100-42-5 | Styrene | 0.15 | U | 0.15 | 5.00 | ug/L |
| 75-25-2 | Bromoform | 0.19 | U | 0.19 | 5.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.12 | U | 0.12 | 5.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.26 | U | 0.26 | 5.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.19 | U | 0.19 | 5.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.16 | U | 0.16 | 5.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.53 | U | 0.53 | 5.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.20 | U | 0.20 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 54.7 | | 74 - 125 | 109% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.0 | | 75 - 124 | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.3 | | 86 - 113 | 99% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.5 | | 77 - 121 | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 194000 | 8.206 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 424000 | 9.083 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 398000 | 11.841 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 185000 | 13.771 | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBL01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087935.D | 1 | 09/24/25 09:47 | VN092425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087935.D
Acq On : 24 Sep 2025 09:47
Operator : JC\MD
Sample : VN0924WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Quant Time: Sep 25 03:05:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 194391 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.083 | 114 | 423678 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.841 | 117 | 397836 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152 | 185471 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.565 | 65 | 178852 | 54.671 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 109.340% | | | |
| 35) Dibromofluoromethane | 8.153 | 113 | 153762 | 49.985 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.980% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 532842 | 49.257 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.520% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 179923 | 46.531 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 93.060% | | | |
| Target Compounds | | | | | | Qvalue |

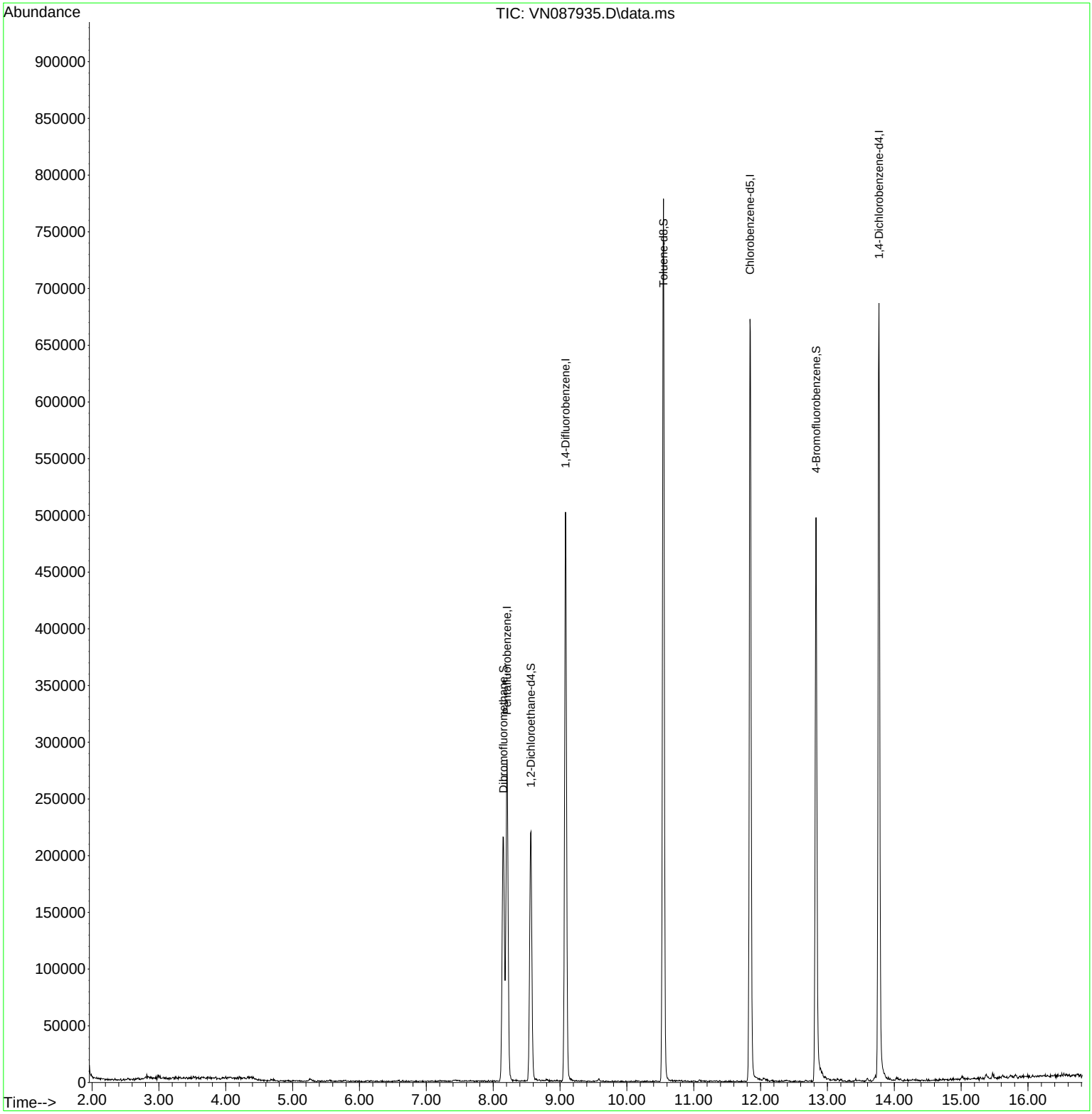
(#) = qualifier out of range (m) = manual integration (+) = signals summed

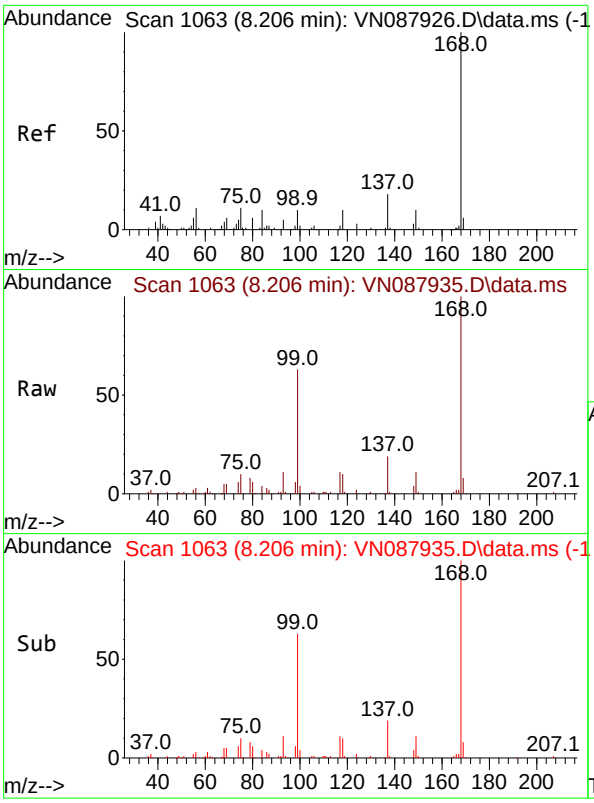
Sample Results: **VN087935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087935.D
Acq On : 24 Sep 2025 09:47
Operator : JC\MD
Sample : VN0924WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Quant Time: Sep 25 03:05:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



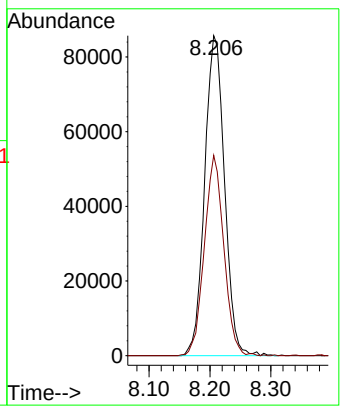


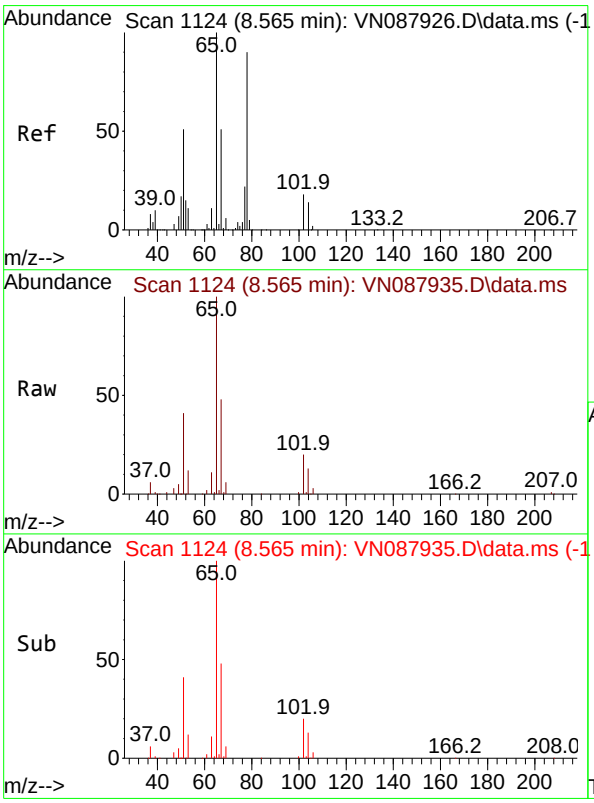

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Tgt Ion:168 Resp: 194391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.6 | 52.2 | 78.2 |

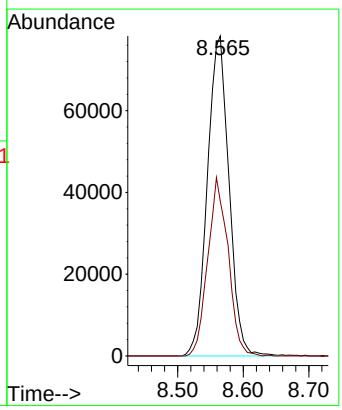


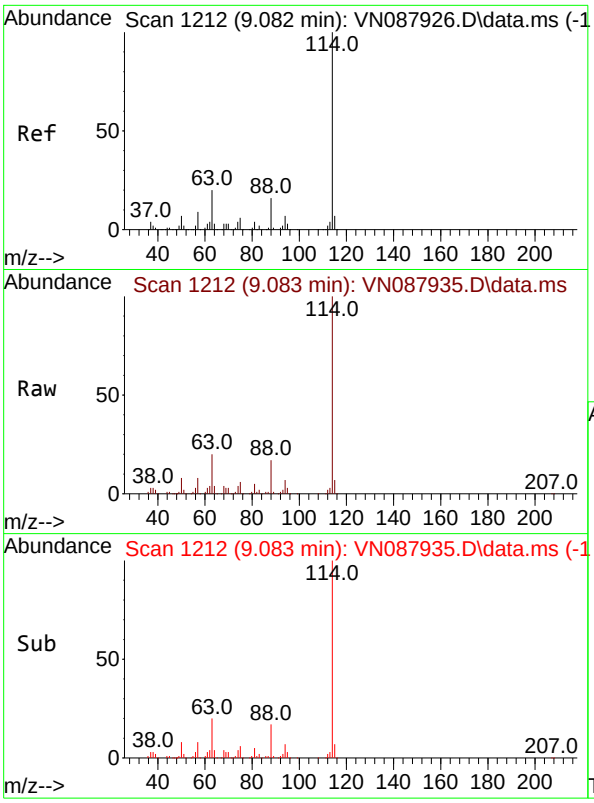




#33
1,2-Dichloroethane-d4
Concen: 54.671 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 65 Resp: 178852

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 52.7 | 0.0 | 103.4 |



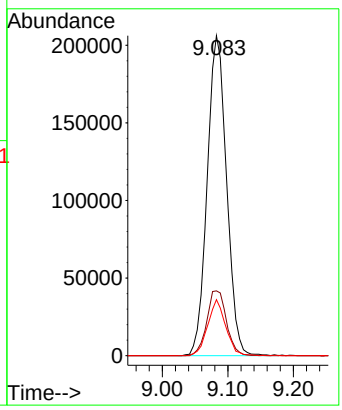


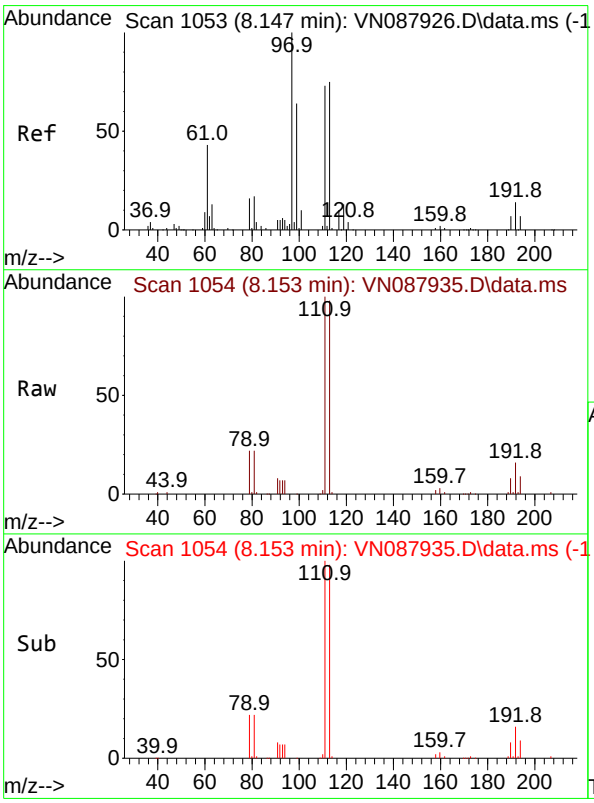

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Tgt Ion:114 Resp: 423678

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.3 | 0.0 | 40.0 |
| 88 | 17.5 | 0.0 | 31.8 |

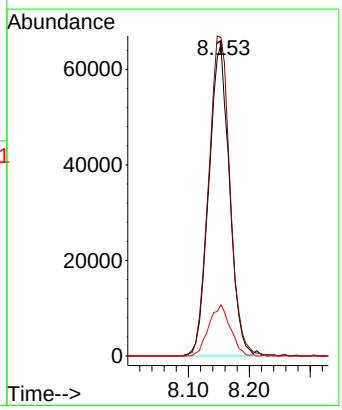


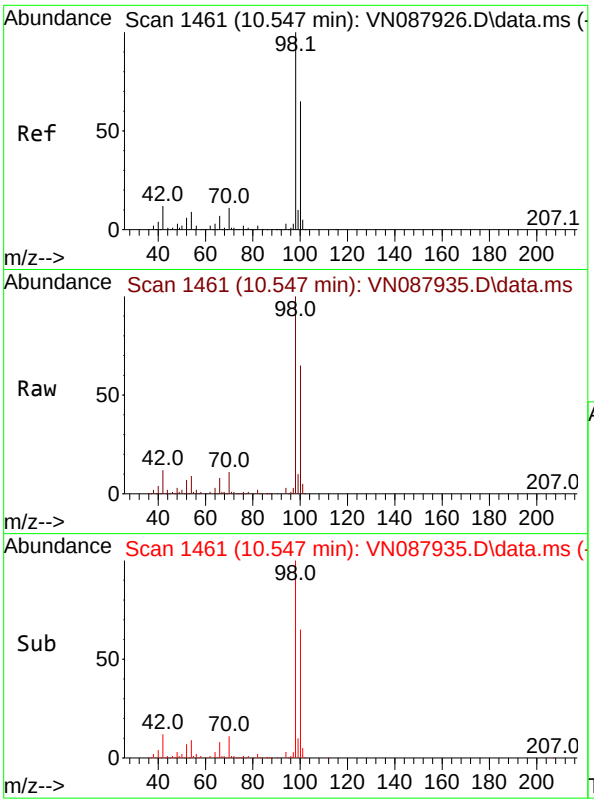




#35
Dibromofluoromethane
Concen: 49.985 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion:113 Resp: 153762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 106.0 | 82.2 | 123.2 |
| 192 | 17.2 | 14.2 | 21.2 |



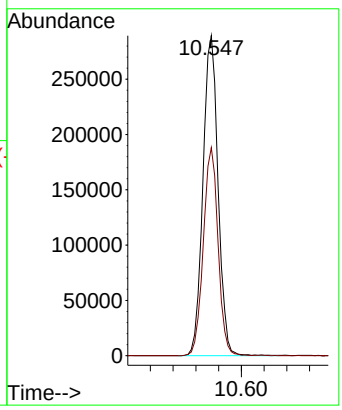


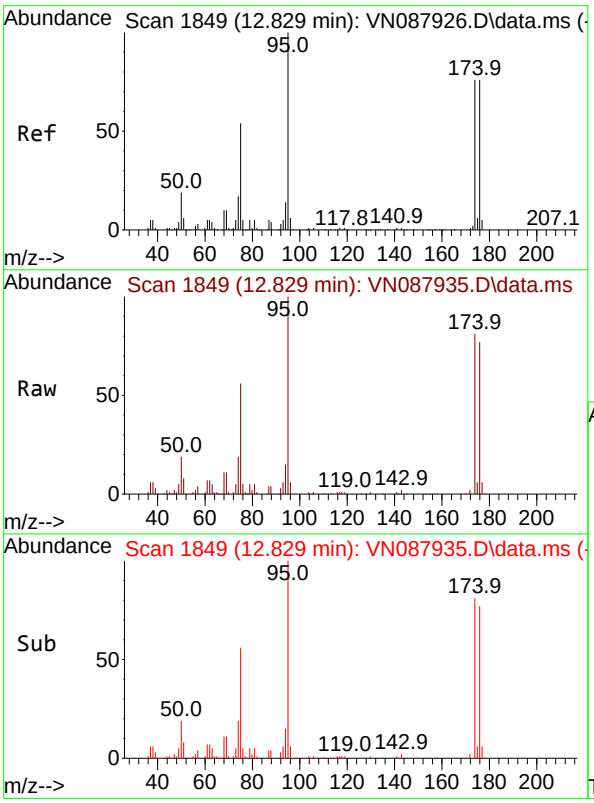

#50
Toluene-d8
Concen: 49.257 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Tgt Ion: 98 Resp: 532842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.4 | 51.7 | 77.5 |

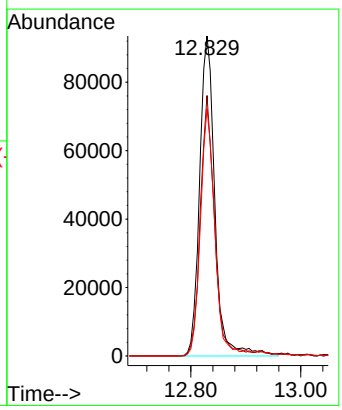


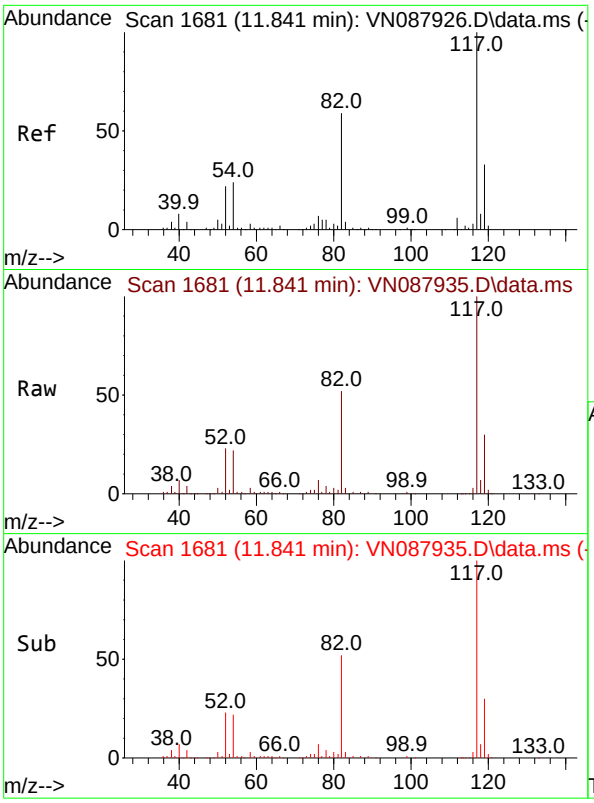




#62
4-Bromofluorobenzene
Concen: 46.531 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion: 95 Resp: 179923

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.0 | 0.0 | 159.2 |
| 176 | 72.4 | 0.0 | 152.6 |



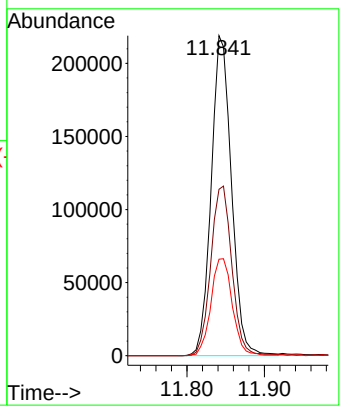


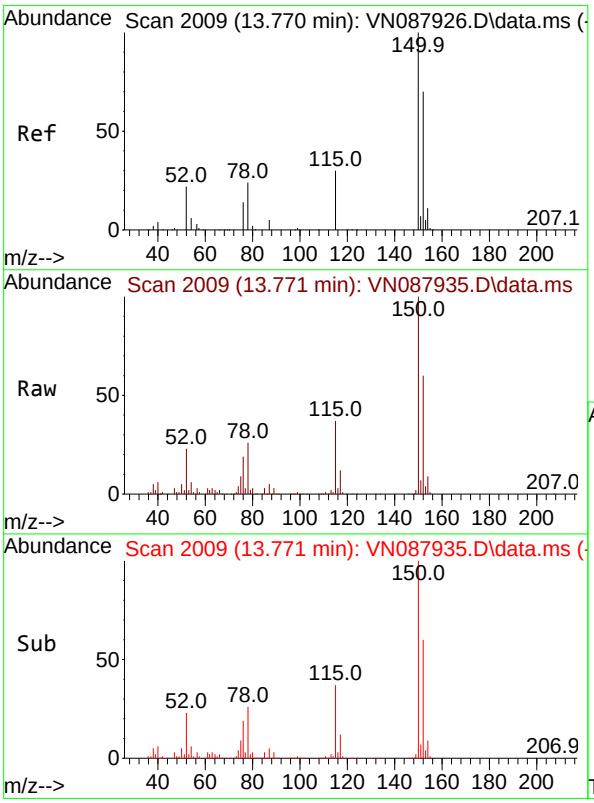

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Tgt Ion:117 Resp: 397836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 52.0 | 47.0 | 70.4 |
| 119 | 30.1 | 26.1 | 39.1 |

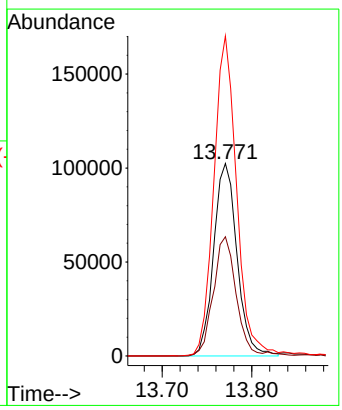



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087935.D
Acq: 24 Sep 2025 09:47

Tgt Ion:152 Resp: 185471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.8 | 29.9 | 89.7 |
| 150 | 163.2 | 0.0 | 335.0 |



Sample Results: **VN087935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087935.D
Acq On : 24 Sep 2025 09:47
Operator : JC\MD
Sample : VN0924WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

Signal : TIC: VN087935.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.147 | 1043 | 1053 | 1058 | rBV | 215401 | 523040 | 36.38% | 6.962% |
| 2 | 8.206 | 1058 | 1063 | 1076 | rVB2 | 283163 | 629388 | 43.78% | 8.378% |
| 3 | 8.565 | 1114 | 1124 | 1134 | rBV | 220018 | 508054 | 35.34% | 6.763% |
| 4 | 9.083 | 1202 | 1212 | 1223 | rBV | 502058 | 1026456 | 71.40% | 13.663% |
| 5 | 10.547 | 1451 | 1461 | 1475 | rBV | 778409 | 1437622 | 100.00% | 19.136% |
| 6 | 11.841 | 1671 | 1681 | 1694 | rBV | 672360 | 1270306 | 88.36% | 16.909% |
| 7 | 12.829 | 1841 | 1849 | 1859 | rBV | 497106 | 901059 | 62.68% | 11.994% |
| 8 | 13.771 | 2002 | 2009 | 2028 | rVB | 683311 | 1216728 | 84.63% | 16.196% |

Sum of corrected areas: 7512653

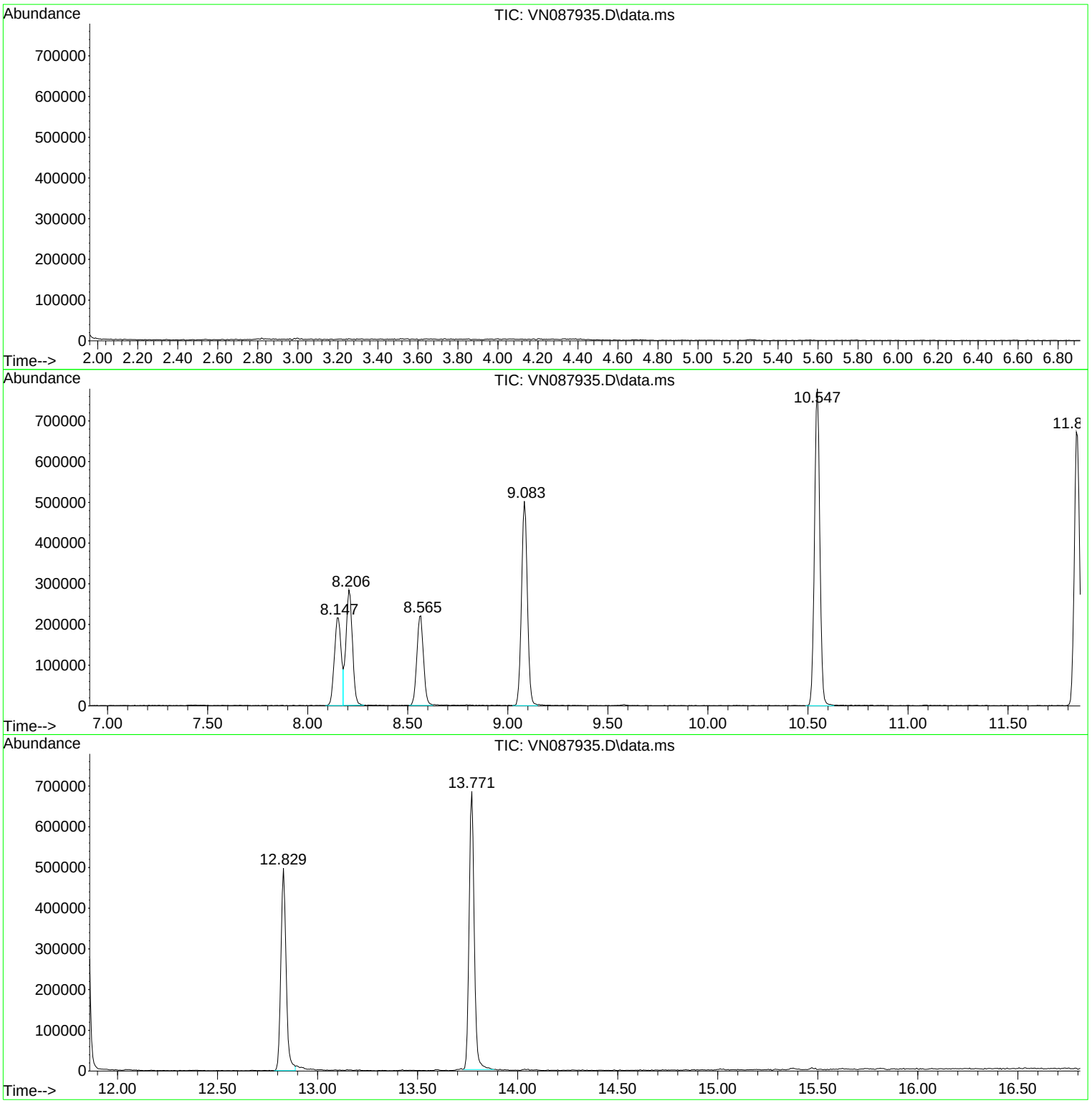
Sample Results: **VN087935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087935.D
Acq On : 24 Sep 2025 09:47
Operator : JC\MD
Sample : VN0924WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN087935.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087935.D
Acq On : 24 Sep 2025 09:47
Operator : JC\MD
Sample : VN0924WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087935.D
Acq On : 24 Sep 2025 09:47
Operator : JC\MD
Sample : VN0924WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

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

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

Raw Data: **VN087936.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBS01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087936.D | 1 | 09/24/25 10:08 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.6 | | 0.22 | 5.00 | ug/L |
| 74-87-3 | Chloromethane | 19.4 | | 0.32 | 5.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 19.6 | | 0.26 | 5.00 | ug/L |
| 74-83-9 | Bromomethane | 20.3 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 20.4 | | 0.47 | 5.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 19.4 | | 0.33 | 5.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.1 | | 0.25 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 20.0 | | 0.23 | 5.00 | ug/L |
| 67-64-1 | Acetone | 110 | | 1.50 | 25.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 19.5 | | 0.21 | 5.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 19.8 | | 0.16 | 5.00 | ug/L |
| 79-20-9 | Methyl Acetate | 21.6 | | 0.27 | 5.00 | ug/L |
| 75-09-2 | Methylene Chloride | 20.6 | | 0.28 | 5.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.3 | | 0.23 | 5.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.6 | | 0.23 | 5.00 | ug/L |
| 110-82-7 | Cyclohexane | 19.8 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 100 | | 0.98 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 19.0 | | 0.25 | 5.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 20.4 | | 0.19 | 5.00 | ug/L |
| 74-97-5 | Bromochloromethane | 17.9 | | 0.22 | 5.00 | ug/L |
| 67-66-3 | Chloroform | 20.5 | | 0.25 | 5.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.2 | | 0.20 | 5.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.4 | | 0.16 | 5.00 | ug/L |
| 71-43-2 | Benzene | 19.8 | | 0.15 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 19.6 | | 0.22 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 20.0 | | 0.090 | 5.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 19.7 | | 0.20 | 5.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 19.6 | | 0.22 | 5.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 100 | | 0.68 | 25.0 | ug/L |
| 108-88-3 | Toluene | 19.7 | | 0.14 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBS01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087936.D | 1 | 09/24/25 10:08 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 19.0 | | 0.17 | 5.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 19.7 | | 0.16 | 5.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 20.4 | | 0.21 | 5.00 | ug/L |
| 591-78-6 | 2-Hexanone | 94.6 | | 0.89 | 25.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 19.5 | | 0.18 | 5.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.0 | | 0.15 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.1 | | 0.23 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 19.6 | | 0.12 | 5.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.8 | | 0.13 | 5.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 38.4 | | 0.24 | 10.0 | ug/L |
| 95-47-6 | o-Xylene | 18.7 | | 0.12 | 5.00 | ug/L |
| 100-42-5 | Styrene | 19.2 | | 0.15 | 5.00 | ug/L |
| 75-25-2 | Bromoform | 19.2 | | 0.19 | 5.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 18.5 | | 0.12 | 5.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 19.6 | | 0.26 | 5.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 19.5 | | 0.16 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.4 | | 0.19 | 5.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 19.5 | | 0.16 | 5.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 19.2 | | 0.53 | 5.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 19.3 | | 0.20 | 5.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 19.2 | | 0.20 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 53.7 | | 74 - 125 | 107% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 49.8 | | 75 - 124 | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.1 | | 86 - 113 | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 50.0 | | 77 - 121 | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 214000 | 8.206 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 405000 | 9.083 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 389000 | 11.847 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 207000 | 13.771 | | | |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBS01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087936.D | 1 | 09/24/25 10:08 | VN092425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087936.D
Acq On : 24 Sep 2025 10:08
Operator : JC\MD
Sample : VN0924WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 03:06:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 214330 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.083 | 114 | 404775 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 389038 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.771 | 152 | 206895 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 193525 | 53.652 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 107.300% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 146369 | 49.804 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 99.600% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 507616 | 49.117 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.240% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 184577 | 49.964 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.920% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 51063 | 20.572 | ug/l | 92 |
| 3) Chloromethane | 2.383 | 50 | 49242 | 19.375 | ug/l | 98 |
| 4) Vinyl Chloride | 2.542 | 62 | 50784 | 19.586 | ug/l | 94 |
| 5) Bromomethane | 2.977 | 94 | 32694 | 20.339 | ug/l | 93 |
| 6) Chloroethane | 3.136 | 64 | 34330 | 20.363 | ug/l | 96 |
| 7) Trichlorofluoromethane | 3.512 | 101 | 81919 | 19.405 | ug/l | 97 |
| 8) Diethyl Ether | 3.965 | 74 | 32208 | 20.195 | ug/l | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 44861 | 20.106 | ug/l | 98 |
| 10) Methyl Iodide | 4.577 | 142 | 32885 | 16.376 | ug/l # | 87 |
| 11) Tert butyl alcohol | 5.524 | 59 | 56407 | 108.572 | ug/l # | 89 |
| 12) 1,1-Dichloroethene | 4.342 | 96 | 45078 | 20.023 | ug/l | 99 |
| 13) Acrolein | 4.177 | 56 | 78303 | 117.463 | ug/l | 95 |
| 14) Allyl chloride | 5.018 | 41 | 72333 | 19.735 | ug/l | 100 |
| 15) Acrylonitrile | 5.712 | 53 | 169773 | 104.177 | ug/l | 98 |
| 16) Acetone | 4.430 | 43 | 157260 | 105.964 | ug/l | 98 |
| 17) Carbon Disulfide | 4.701 | 76 | 136889 | 19.461 | ug/l # | 89 |
| 18) Methyl Acetate | 5.024 | 43 | 80104 | 21.568 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 174177 | 19.805 | ug/l | 97 |
| 20) Methylene Chloride | 5.259 | 84 | 61915 | 20.611 | ug/l | 95 |
| 21) trans-1,2-Dichloroethene | 5.777 | 96 | 53370 | 19.337 | ug/l | 90 |
| 22) Diisopropyl ether | 6.665 | 45 | 175098 | 20.464 | ug/l | 92 |
| 23) Vinyl Acetate | 6.595 | 43 | 797170 | 110.652 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 6.559 | 63 | 103005 | 20.606 | ug/l | 96 |
| 25) 2-Butanone | 7.471 | 43 | 233023 | 102.728 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 92445 | 20.815 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 7.471 | 96 | 67002 | 20.403 | ug/l | 98 |
| 28) Bromochloromethane | 7.794 | 49 | 48578 | 17.886 | ug/l | 100 |
| 29) Tetrahydrofuran | 7.824 | 42 | 144691 | 99.618 | ug/l | 98 |
| 30) Chloroform | 7.947 | 83 | 112100 | 20.509 | ug/l | 94 |
| 31) Cyclohexane | 8.236 | 56 | 80221 | 19.833 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 93396 | 20.222 | ug/l | 96 |
| 36) 1,1-Dichloropropene | 8.347 | 75 | 69679 | 19.718 | ug/l | 99 |
| 37) Ethyl Acetate | 7.547 | 43 | 89273 | 19.238 | ug/l | 100 |
| 38) Carbon Tetrachloride | 8.341 | 117 | 77107 | 19.015 | ug/l | 95 |
| 39) Methylcyclohexane | 9.577 | 83 | 71760 | 18.408 | ug/l | 94 |
| 40) Benzene | 8.589 | 78 | 231765 | 19.808 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087936.D
Acq On : 24 Sep 2025 10:08
Operator : JC\MD
Sample : VN0924WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 03:06:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.759 | 41 | 44963 | 18.749 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 85643 | 19.614 | ug/l | | 98 |
| 43) Isopropyl Acetate | 8.677 | 43 | 148053 | 20.269 | ug/l | | 100 |
| 44) Trichloroethene | 9.336 | 130 | 55787 | 19.960 | ug/l | | 89 |
| 45) 1,2-Dichloropropane | 9.606 | 63 | 57732 | 19.677 | ug/l | | 99 |
| 46) Dibromomethane | 9.688 | 93 | 45700 | 19.740 | ug/l | | 98 |
| 47) Bromodichloromethane | 9.871 | 83 | 89216 | 19.647 | ug/l | # | 92 |
| 48) Methyl methacrylate | 9.665 | 41 | 64933 | 19.196 | ug/l | | 95 |
| 49) 1,4-Dioxane | 9.683 | 88 | 20306 | 406.347 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 464634 | 101.939 | ug/l | | 98 |
| 52) Toluene | 10.606 | 92 | 144931 | 19.739 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 88425 | 19.027 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 95205 | 19.724 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 60996 | 20.431 | ug/l | | 89 |
| 56) Ethyl methacrylate | 10.859 | 69 | 79797 | 18.498 | ug/l | | 98 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 98877 | 20.136 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 233843 | 115.290 | ug/l | | 97 |
| 59) 2-Hexanone | 11.177 | 43 | 285209 | 94.633 | ug/l | | 97 |
| 60) Dibromochloromethane | 11.335 | 129 | 68408 | 19.488 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 63311 | 20.031 | ug/l | | 96 |
| 64) Tetrachloroethene | 11.082 | 164 | 42842 | 18.078 | ug/l | | 91 |
| 65) Chlorobenzene | 11.871 | 112 | 161909 | 19.557 | ug/l | | 94 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 57835 | 19.372 | ug/l | | 95 |
| 67) Ethyl Benzene | 11.941 | 91 | 260358 | 18.847 | ug/l | | 99 |
| 68) m/p-Xylenes | 12.047 | 106 | 202840 | 38.392 | ug/l | | 99 |
| 69) o-Xylene | 12.377 | 106 | 94788 | 18.674 | ug/l | | 99 |
| 70) Styrene | 12.388 | 104 | 167376 | 19.199 | ug/l | | 99 |
| 71) Bromoform | 12.559 | 173 | 46403 | 19.157 | ug/l | # | 97 |
| 73) Isopropylbenzene | 12.677 | 105 | 237012 | 18.484 | ug/l | | 97 |
| 74) N-amyl acetate | 12.677 | 43 | 69584m | 16.470 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 90524 | 19.594 | ug/l | | 98 |
| 76) 1,2,3-Trichloropropane | 12.971 | 75 | 86424m | 21.191 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 67539 | 19.796 | ug/l | | 97 |
| 78) n-propylbenzene | 13.012 | 91 | 308254 | 19.228 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 13.106 | 91 | 185821 | 19.036 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 212286 | 19.140 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 12.724 | 75 | 26430 | 17.995 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 194470 | 19.771 | ug/l | | 99 |
| 83) tert-Butylbenzene | 13.412 | 119 | 178246 | 18.987 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 217940 | 19.157 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 266788 | 19.383 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 219833 | 18.858 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 130036 | 19.531 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.788 | 146 | 132712 | 19.396 | ug/l | | 98 |
| 89) n-Butylbenzene | 14.035 | 91 | 208113 | 18.890 | ug/l | | 98 |
| 90) Hexachloroethane | 14.306 | 117 | 45352 | 18.624 | ug/l | | 100 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 124837 | 19.453 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.694 | 75 | 20584 | 19.174 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 15.370 | 180 | 73093 | 19.290 | ug/l | | 95 |
| 94) Hexachlorobutadiene | 15.470 | 225 | 27305 | 19.579 | ug/l | | 97 |
| 95) Naphthalene | 15.612 | 128 | 222219 | 18.270 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 15.812 | 180 | 70864 | 19.237 | ug/l | | 94 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087936.D
Acq On : 24 Sep 2025 10:08
Operator : JC\MD
Sample : VN0924WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 03:06:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

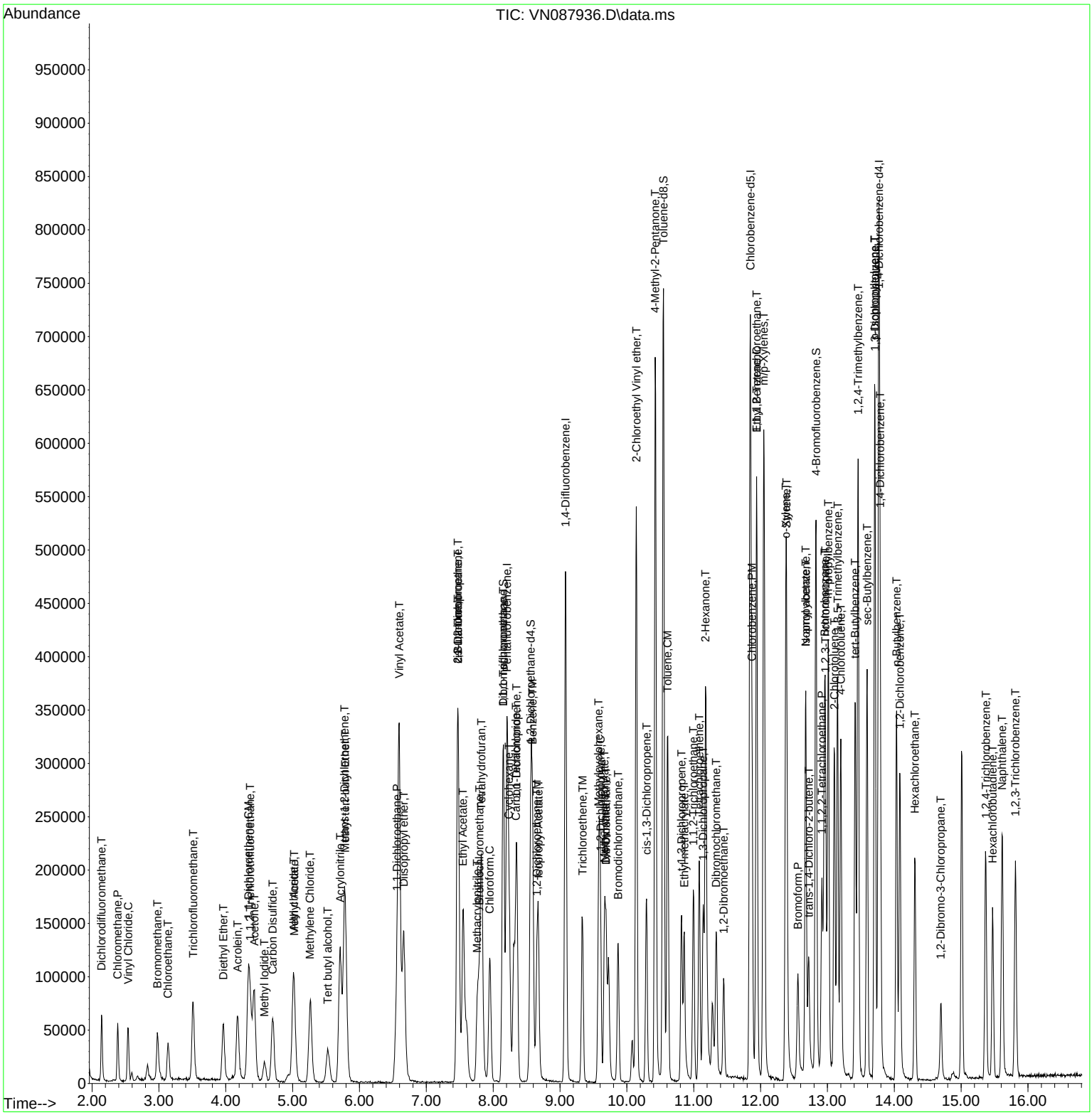
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087936.D
Acq On : 24 Sep 2025 10:08
Operator : JC\MD
Sample : VN0924WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 25 03:06:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025



Raw Data: **VN087937.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBSD01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087937.D | 1 | 09/24/25 10:42 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 21.6 | | 0.22 | 5.00 | ug/L |
| 74-87-3 | Chloromethane | 19.3 | | 0.32 | 5.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 20.4 | | 0.26 | 5.00 | ug/L |
| 74-83-9 | Bromomethane | 20.6 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 21.3 | | 0.47 | 5.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.9 | | 0.33 | 5.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 22.3 | | 0.25 | 5.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 21.4 | | 0.23 | 5.00 | ug/L |
| 67-64-1 | Acetone | 100 | | 1.50 | 25.0 | ug/L |
| 75-15-0 | Carbon Disulfide | 20.5 | | 0.21 | 5.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 20.3 | | 0.16 | 5.00 | ug/L |
| 79-20-9 | Methyl Acetate | 22.2 | | 0.27 | 5.00 | ug/L |
| 75-09-2 | Methylene Chloride | 20.6 | | 0.28 | 5.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 19.7 | | 0.23 | 5.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 20.1 | | 0.23 | 5.00 | ug/L |
| 110-82-7 | Cyclohexane | 20.3 | | 1.50 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 110 | | 0.98 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 21.5 | | 0.25 | 5.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 19.8 | | 0.19 | 5.00 | ug/L |
| 74-97-5 | Bromochloromethane | 18.3 | | 0.22 | 5.00 | ug/L |
| 67-66-3 | Chloroform | 20.6 | | 0.25 | 5.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.2 | | 0.20 | 5.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 22.1 | | 0.16 | 5.00 | ug/L |
| 71-43-2 | Benzene | 20.7 | | 0.15 | 5.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 21.1 | | 0.22 | 5.00 | ug/L |
| 79-01-6 | Trichloroethene | 20.3 | | 0.090 | 5.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 20.9 | | 0.20 | 5.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 21.2 | | 0.22 | 5.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 110 | | 0.68 | 25.0 | ug/L |
| 108-88-3 | Toluene | 21.1 | | 0.14 | 5.00 | ug/L |

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBSD01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087937.D | 1 | 09/24/25 10:42 | VN092425 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.5 | | 0.17 | 5.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 20.7 | | 0.16 | 5.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 21.1 | | 0.21 | 5.00 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | | 0.89 | 25.0 | ug/L |
| 124-48-1 | Dibromochloromethane | 21.3 | | 0.18 | 5.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 20.9 | | 0.15 | 5.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 20.6 | | 0.23 | 5.00 | ug/L |
| 108-90-7 | Chlorobenzene | 21.0 | | 0.12 | 5.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 20.6 | | 0.13 | 5.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 41.8 | | 0.24 | 10.0 | ug/L |
| 95-47-6 | o-Xylene | 20.1 | | 0.12 | 5.00 | ug/L |
| 100-42-5 | Styrene | 20.2 | | 0.15 | 5.00 | ug/L |
| 75-25-2 | Bromoform | 21.0 | | 0.19 | 5.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 22.2 | | 0.12 | 5.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 23.2 | | 0.26 | 5.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 21.9 | | 0.16 | 5.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 21.5 | | 0.19 | 5.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 21.4 | | 0.16 | 5.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 23.2 | | 0.53 | 5.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 21.7 | | 0.20 | 5.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.7 | | 0.20 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.3 | | 74 - 125 | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.3 | | 75 - 124 | 101% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.9 | | 86 - 113 | 100% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.6 | | 77 - 121 | 99% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 243000 | 8.206 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 430000 | 9.083 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 408000 | 11.847 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 206000 | 13.77 | | | |

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Kleinfelder | Date Collected: | |
| Project: | Tanner G. Duckrey Public School | Date Received: | |
| Client Sample ID: | VN0924WBSD01 | SDG No.: | Q3155 |
| Lab Sample ID: | VN0924WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VN087937.D | 1 | 09/24/25 10:42 | VN092425 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087937.D
Acq On : 24 Sep 2025 10:42
Operator : JC\MD
Sample : VN0924WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 03:07:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 8.206 | 168 | 242602 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.083 | 114 | 429972 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.847 | 117 | 407713 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.770 | 152 | 206436 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.559 | 65 | 201139 | 49.265 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 98.520% | | | |
| 35) Dibromofluoromethane | 8.147 | 113 | 157172 | 50.346 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.700% | | | |
| 50) Toluene-d8 | 10.547 | 98 | 548350 | 49.949 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 99.900% | | | |
| 62) 4-Bromofluorobenzene | 12.829 | 95 | 194705 | 49.617 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 99.240% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.142 | 85 | 60650 | 21.587 | ug/l | 95 |
| 3) Chloromethane | 2.383 | 50 | 55514 | 19.298 | ug/l | 99 |
| 4) Vinyl Chloride | 2.536 | 62 | 60000 | 20.444 | ug/l | 98 |
| 5) Bromomethane | 2.977 | 94 | 37479 | 20.599 | ug/l | 97 |
| 6) Chloroethane | 3.136 | 64 | 40678 | 21.317 | ug/l | 99 |
| 7) Trichlorofluoromethane | 3.506 | 101 | 99871 | 20.900 | ug/l | 97 |
| 8) Diethyl Ether | 3.953 | 74 | 38405 | 21.274 | ug/l | 98 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 56317 | 22.299 | ug/l | 98 |
| 10) Methyl Iodide | 4.577 | 142 | 39909 | 17.557 | ug/l # | 92 |
| 11) Tert butyl alcohol | 5.530 | 59 | 65192 | 110.858 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 4.330 | 96 | 54643 | 21.443 | ug/l | 90 |
| 13) Acrolein | 4.171 | 56 | 73918 | 97.963 | ug/l | 99 |
| 14) Allyl chloride | 5.006 | 41 | 81642 | 19.679 | ug/l | 95 |
| 15) Acrylonitrile | 5.706 | 53 | 193047 | 104.654 | ug/l | 99 |
| 16) Acetone | 4.424 | 43 | 168215 | 100.137 | ug/l | 100 |
| 17) Carbon Disulfide | 4.700 | 76 | 162874 | 20.456 | ug/l | 100 |
| 18) Methyl Acetate | 5.018 | 43 | 93494 | 22.239 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 201904 | 20.282 | ug/l | 93 |
| 20) Methylene Chloride | 5.253 | 84 | 70175 | 20.638 | ug/l | 94 |
| 21) trans-1,2-Dichloroethene | 5.771 | 96 | 61692 | 19.748 | ug/l # | 77 |
| 22) Diisopropyl ether | 6.665 | 45 | 202118 | 20.869 | ug/l | 93 |
| 23) Vinyl Acetate | 6.589 | 43 | 832281 | 102.062 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 6.547 | 63 | 113981 | 20.144 | ug/l | 99 |
| 25) 2-Butanone | 7.477 | 43 | 270080 | 105.189 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 7.471 | 77 | 101160 | 20.123 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.465 | 96 | 73453 | 19.761 | ug/l | 99 |
| 28) Bromochloromethane | 7.794 | 49 | 56137 | 18.261 | ug/l | 96 |
| 29) Tetrahydrofuran | 7.824 | 42 | 175102 | 106.506 | ug/l | 99 |
| 30) Chloroform | 7.947 | 83 | 127415 | 20.595 | ug/l | 99 |
| 31) Cyclohexane | 8.236 | 56 | 92828 | 20.276 | ug/l # | 95 |
| 32) 1,1,1-Trichloroethane | 8.147 | 97 | 105789 | 20.236 | ug/l | 94 |
| 36) 1,1-Dichloropropene | 8.359 | 75 | 80421 | 21.424 | ug/l | 99 |
| 37) Ethyl Acetate | 7.547 | 43 | 102542 | 20.802 | ug/l | 99 |
| 38) Carbon Tetrachloride | 8.347 | 117 | 92409 | 21.453 | ug/l | 96 |
| 39) Methylcyclohexane | 9.583 | 83 | 91426 | 22.078 | ug/l | 97 |
| 40) Benzene | 8.588 | 78 | 257395 | 20.709 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087937.D
Acq On : 24 Sep 2025 10:42
Operator : JC\MD
Sample : VN0924WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 03:07:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.765 | 41 | 55550 | 21.806 | ug/l | | 98 |
| 42) 1,2-Dichloroethane | 8.653 | 62 | 97760 | 21.077 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.677 | 43 | 165674 | 21.352 | ug/l | | 99 |
| 44) Trichloroethene | 9.330 | 130 | 60312 | 20.315 | ug/l | | 85 |
| 45) 1,2-Dichloropropane | 9.606 | 63 | 65071 | 20.879 | ug/l | | 97 |
| 46) Dibromomethane | 9.688 | 93 | 52518 | 21.355 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.871 | 83 | 102212 | 21.190 | ug/l | # | 96 |
| 48) Methyl methacrylate | 9.665 | 41 | 75440 | 20.995 | ug/l | | 96 |
| 49) 1,4-Dioxane | 9.677 | 88 | 23155 | 436.205 | ug/l | # | 84 |
| 51) 4-Methyl-2-Pentanone | 10.424 | 43 | 531034 | 109.679 | ug/l | | 99 |
| 52) Toluene | 10.612 | 92 | 164722 | 21.119 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 10.818 | 75 | 101025 | 20.464 | ug/l | | 94 |
| 54) cis-1,3-Dichloropropene | 10.294 | 75 | 105969 | 20.668 | ug/l | | 96 |
| 55) 1,1,2-Trichloroethane | 10.994 | 97 | 66763 | 21.052 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.859 | 69 | 95065 | 20.746 | ug/l | | 94 |
| 57) 1,3-Dichloropropane | 11.141 | 76 | 112773 | 21.620 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.141 | 63 | 254732 | 118.229 | ug/l | | 100 |
| 59) 2-Hexanone | 11.182 | 43 | 328401 | 102.579 | ug/l | | 97 |
| 60) Dibromochloromethane | 11.335 | 129 | 79328 | 21.275 | ug/l | | 98 |
| 61) 1,2-Dibromoethane | 11.447 | 107 | 70149 | 20.894 | ug/l | | 99 |
| 64) Tetrachloroethene | 11.082 | 164 | 51188 | 20.611 | ug/l | | 89 |
| 65) Chlorobenzene | 11.871 | 112 | 182308 | 21.012 | ug/l | | 96 |
| 66) 1,1,1,2-Tetrachloroethane | 11.941 | 131 | 66500 | 21.254 | ug/l | | 99 |
| 67) Ethyl Benzene | 11.941 | 91 | 297658 | 20.560 | ug/l | | 98 |
| 68) m/p-Xylenes | 12.053 | 106 | 231489 | 41.808 | ug/l | | 99 |
| 69) o-Xylene | 12.376 | 106 | 106989 | 20.112 | ug/l | | 99 |
| 70) Styrene | 12.388 | 104 | 184624 | 20.208 | ug/l | | 99 |
| 71) Bromoform | 12.559 | 173 | 53373 | 21.026 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.676 | 105 | 284074 | 22.203 | ug/l | | 100 |
| 74) N-amyl acetate | 12.618 | 43 | 77788m | 18.452 | ug/l | | |
| 75) 1,1,2,2-Tetrachloroethane | 12.918 | 83 | 107070 | 23.226 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.971 | 75 | 87526m | 21.509 | ug/l | | |
| 77) Bromobenzene | 12.959 | 156 | 72420 | 21.274 | ug/l | | 98 |
| 78) n-propylbenzene | 13.012 | 91 | 354084 | 22.135 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 13.106 | 91 | 213097 | 21.879 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 13.153 | 105 | 240559 | 21.737 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.724 | 75 | 35878 | 24.483 | ug/l | | 92 |
| 82) 4-Chlorotoluene | 13.200 | 91 | 217905 | 22.203 | ug/l | | 97 |
| 83) tert-Butylbenzene | 13.418 | 119 | 203733 | 21.750 | ug/l | | 95 |
| 84) 1,2,4-Trimethylbenzene | 13.459 | 105 | 248121 | 21.859 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.594 | 105 | 314092 | 22.871 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.706 | 119 | 260904 | 22.431 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 13.712 | 146 | 145692 | 21.932 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 13.794 | 146 | 146978 | 21.529 | ug/l | | 98 |
| 89) n-Butylbenzene | 14.035 | 91 | 247364 | 22.503 | ug/l | | 98 |
| 90) Hexachloroethane | 14.312 | 117 | 54134 | 22.280 | ug/l | | 94 |
| 91) 1,2-Dichlorobenzene | 14.082 | 146 | 137052 | 21.404 | ug/l | | 98 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.700 | 75 | 24801 | 23.154 | ug/l | | 93 |
| 93) 1,2,4-Trichlorobenzene | 15.370 | 180 | 81962 | 21.679 | ug/l | | 96 |
| 94) Hexachlorobutadiene | 15.476 | 225 | 32913 | 23.652 | ug/l | | 99 |
| 95) Naphthalene | 15.617 | 128 | 261901 | 21.581 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.812 | 180 | 76222 | 20.738 | ug/l | | 94 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087937.D
Acq On : 24 Sep 2025 10:42
Operator : JC\MD
Sample : VN0924WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 03:07:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025

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

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

Sample Results: **VN087937.D**

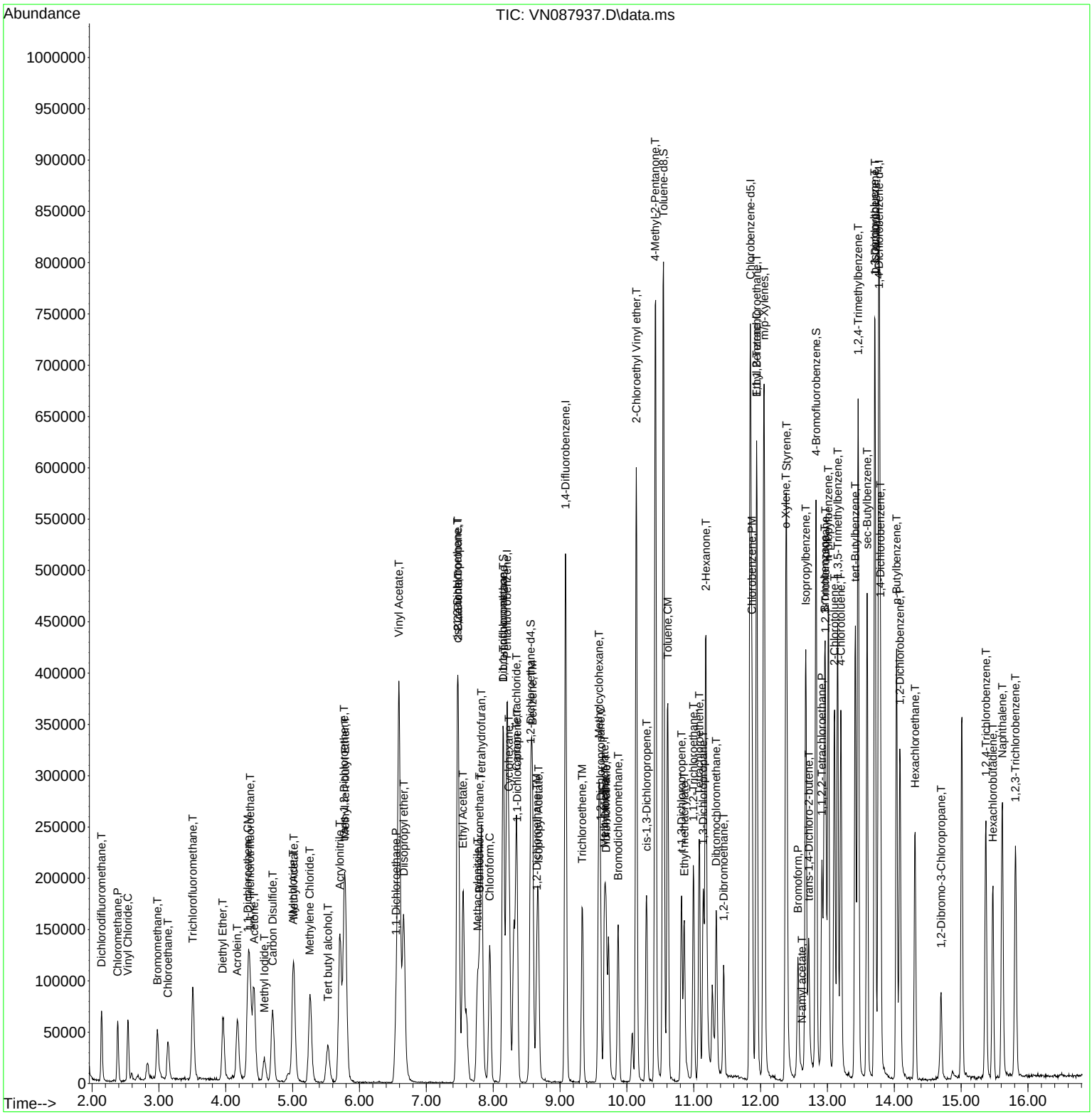
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092425\
Data File : VN087937.D
Acq On : 24 Sep 2025 10:42
Operator : JC\MD
Sample : VN0924WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 25 03:07:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0924WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 09/25/2025
Supervised By :Mahesh Dadoda 09/26/2025



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

# Manual Integration Report

| Sequence: | VN092325 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC005 | VN087924.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:09:59 AM | MMDadoda | 9/26/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICC005 | VN087924.D | Acetone | JOHN | 9/24/2025 8:09:59 AM | MMDadoda | 9/26/2025 1:41:24 AM | Peak Integrated by Software |
| VSTDICCC050 | VN087926.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:10:07 AM | MMDadoda | 9/26/2025 1:41:26 AM | Peak Integrated by Software |
| VSTDICCC050 | VN087926.D | N-amyl acetate | JOHN | 9/24/2025 8:10:07 AM | MMDadoda | 9/26/2025 1:41:26 AM | Peak Integrated by Software |
| VSTDICCC050 | VN087926.D | Vinyl Acetate | JOHN | 9/24/2025 8:10:07 AM | MMDadoda | 9/26/2025 1:41:26 AM | Peak Integrated by Software |
| VSTDICC100 | VN087927.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:10:11 AM | MMDadoda | 9/26/2025 1:41:28 AM | Peak Integrated by Software |
| VSTDICC100 | VN087927.D | N-amyl acetate | JOHN | 9/24/2025 8:10:11 AM | MMDadoda | 9/26/2025 1:41:28 AM | Peak Integrated by Software |
| VSTDICC100 | VN087927.D | Vinyl Acetate | JOHN | 9/24/2025 8:10:11 AM | MMDadoda | 9/26/2025 1:41:28 AM | Peak Integrated by Software |
| VSTDICC150 | VN087928.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:10:15 AM | MMDadoda | 9/26/2025 1:41:29 AM | Peak Integrated by Software |
| VSTDICC150 | VN087928.D | Vinyl Acetate | JOHN | 9/24/2025 8:10:15 AM | MMDadoda | 9/26/2025 1:41:29 AM | Peak Integrated by Software |
| VSTDICC020 | VN087930.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:10:20 AM | MMDadoda | 9/26/2025 1:41:30 AM | Peak Integrated by Software |
| VSTDICC020 | VN087930.D | N-amyl acetate | JOHN | 9/24/2025 8:10:20 AM | MMDadoda | 9/26/2025 1:41:30 AM | Peak Integrated by Software |
| VSTDICC020 | VN087930.D | Vinyl Acetate | JOHN | 9/24/2025 8:10:20 AM | MMDadoda | 9/26/2025 1:41:30 AM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | VN092325 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICV050 | VN087931.D | 1,2,3-Trichloropropane | JOHN | 9/24/2025 8:10:24 AM | MMDadoda | 9/26/2025 1:41:32 AM | Peak Integrated by Software |
| VSTDICV050 | VN087931.D | N-amyl acetate | JOHN | 9/24/2025 8:10:24 AM | MMDadoda | 9/26/2025 1:41:32 AM | Peak Integrated by Software |
| VSTDICV050 | VN087931.D | Vinyl Acetate | JOHN | 9/24/2025 8:10:24 AM | MMDadoda | 9/26/2025 1:41:32 AM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | VN092425 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VN087933.D | 1,2,3-Trichloropropane | JOHN | 9/25/2025 10:12:11 AM | MMDadoda | 9/26/2025 1:45:51 AM | Peak Integrated by Software |
| VSTDCCC050 | VN087933.D | N-amyl acetate | JOHN | 9/25/2025 10:12:11 AM | MMDadoda | 9/26/2025 1:45:51 AM | Peak Integrated by Software |
| VN0924WBS01 | VN087936.D | 1,2,3-Trichloropropane | JOHN | 9/25/2025 10:12:15 AM | MMDadoda | 9/26/2025 1:45:53 AM | Peak Integrated by Software |
| VN0924WBS01 | VN087936.D | N-amyl acetate | JOHN | 9/25/2025 10:12:15 AM | MMDadoda | 9/26/2025 1:45:53 AM | Peak Integrated by Software |
| VN0924WBSD01 | VN087937.D | 1,2,3-Trichloropropane | JOHN | 9/25/2025 10:12:19 AM | MMDadoda | 9/26/2025 1:45:54 AM | Peak Integrated by Software |
| VN0924WBSD01 | VN087937.D | N-amyl acetate | JOHN | 9/25/2025 10:12:19 AM | MMDadoda | 9/26/2025 1:45:54 AM | Peak Integrated by Software |
| VSTDCCC050 | VN087946.D | 1,2,3-Trichloropropane | JOHN | 9/25/2025 10:12:37 AM | MMDadoda | 9/26/2025 1:46:00 AM | Peak Integrated by Software |
| VSTDCCC050 | VN087946.D | N-amyl acetate | JOHN | 9/25/2025 10:12:37 AM | MMDadoda | 9/26/2025 1:46:00 AM | Peak Integrated by Software |

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

**Instrument ID: MSVOA_N**

## Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/24/2025 8:10:38 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:41:42 AM | | |
| SubDirectory | VN092325 | HP Acquire Method | | HP Processing Method | 82N092325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135592 |
| Initial Calibration Stds | VP135674,VP135675,VP135676,VP135677,VP135678 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP135679 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VN087922.D | 23 Sep 2025 08:31 | JC\MD | Ok |
| 2 | VSTDICC001 | VN087923.D | 23 Sep 2025 08:51 | JC\MD | Not Ok |
| 3 | VSTDICC005 | VN087924.D | 23 Sep 2025 09:33 | JC\MD | Ok,M |
| 4 | VSTDICC020 | VN087925.D | 23 Sep 2025 09:54 | JC\MD | Not Ok |
| 5 | VSTDICCC050 | VN087926.D | 23 Sep 2025 10:15 | JC\MD | Ok,M |
| 6 | VSTDICC100 | VN087927.D | 23 Sep 2025 10:36 | JC\MD | Ok,M |
| 7 | VSTDICC150 | VN087928.D | 23 Sep 2025 10:56 | JC\MD | Ok,M |
| 8 | IBLK | VN087929.D | 23 Sep 2025 11:17 | JC\MD | Ok |
| 9 | VSTDICC020 | VN087930.D | 23 Sep 2025 11:47 | JC\MD | Ok,M |
| 10 | VSTDICV050 | VN087931.D | 23 Sep 2025 15:08 | JC\MD | Ok,M |

M : Manual Integration

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

**Instrument ID: MSVOA_N**

## Daily Analysis Runlog For Sequence/QCBatch ID # VN092425

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:14:21 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:46:09 AM | | |
| SubDirectory | VN092425 | HP Acquire Method | | HP Processing Method | 82N092325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135601 |
| Initial Calibration Stds | |
| CCC | VP135602,VP135603 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VN087932.D | 24 Sep 2025 07:41 | JC\MD | Ok |
| 2 | VSTDCCC050 | VN087933.D | 24 Sep 2025 08:27 | JC\MD | Ok,M |
| 3 | VN0924MBL01 | VN087934.D | 24 Sep 2025 09:26 | JC\MD | Ok |
| 4 | VN0924WBL01 | VN087935.D | 24 Sep 2025 09:47 | JC\MD | Ok |
| 5 | VN0924WBS01 | VN087936.D | 24 Sep 2025 10:08 | JC\MD | Ok,M |
| 6 | VN0924WBSD01 | VN087937.D | 24 Sep 2025 10:42 | JC\MD | Ok,M |
| 7 | IBLK | VN087938.D | 24 Sep 2025 11:04 | JC\MD | Ok |
| 8 | Q3155-04 | VN087939.D | 24 Sep 2025 11:25 | JC\MD | Ok |
| 9 | Q3157-03 | VN087940.D | 24 Sep 2025 11:46 | JC\MD | Ok |
| 10 | PB169792TB | VN087941.D | 24 Sep 2025 12:07 | JC\MD | Ok,M |
| 11 | Q3159-02 | VN087942.D | 24 Sep 2025 12:28 | JC\MD | Ok |
| 12 | Q3159-04 | VN087943.D | 24 Sep 2025 12:50 | JC\MD | Ok |
| 13 | Q3167-02 | VN087944.D | 24 Sep 2025 13:11 | JC\MD | ReRun |
| 14 | Q3167-02 | VN087945.D | 24 Sep 2025 13:47 | JC\MD | Ok |
| 15 | VSTDCCC050 | VN087946.D | 24 Sep 2025 15:37 | JC\MD | Ok,M |

M : Manual Integration

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Fax : 908 789 8922

**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/24/2025 8:10:38 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:41:42 AM | | |
| SubDirectory | VN092325 | HP Acquire Method | | HP Processing Method | 82N092325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135592 |
| Initial Calibration Stds | VP135674,VP135675,VP135676,VP135677,VP135678 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP135679 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VN087922.D | 23 Sep 2025 08:31 | | JC\MD | Ok |
| 2 | VSTDICC001 | VSTDICC001 | VN087923.D | 23 Sep 2025 08:51 | Not used | JC\MD | Not Ok |
| 3 | VSTDICC005 | VSTDICC005 | VN087924.D | 23 Sep 2025 09:33 | | JC\MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VN087925.D | 23 Sep 2025 09:54 | Spiked Low | JC\MD | Not Ok |
| 5 | VSTDICCC050 | VSTDICCC050 | VN087926.D | 23 Sep 2025 10:15 | | JC\MD | Ok,M |
| 6 | VSTDICC100 | VSTDICC100 | VN087927.D | 23 Sep 2025 10:36 | | JC\MD | Ok,M |
| 7 | VSTDICC150 | VSTDICC150 | VN087928.D | 23 Sep 2025 10:56 | | JC\MD | Ok,M |
| 8 | IBLK | IBLK | VN087929.D | 23 Sep 2025 11:17 | | JC\MD | Ok |
| 9 | VSTDICC020 | VSTDICC020 | VN087930.D | 23 Sep 2025 11:47 | | JC\MD | Ok,M |
| 10 | VSTDICV050 | ICVVN092325 | VN087931.D | 23 Sep 2025 15:08 | | JC\MD | Ok,M |

M : Manual Integration

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

**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN092425

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 9/25/2025 10:14:21 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 9/26/2025 1:46:09 AM | | |
| SubDirectory | VN092425 | HP Acquire Method | | HP Processing Method | 82N092325W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP135601 |
| Initial Calibration Stds | |
| CCC | VP135602,VP135603 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VN087932.D | 24 Sep 2025 07:41 | | JC\MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VN087933.D | 24 Sep 2025 08:27 | pH#Lot#V12668 | JC\MD | Ok,M |
| 3 | VN0924MBL01 | VN0924MBL01 | VN087934.D | 24 Sep 2025 09:26 | | JC\MD | Ok |
| 4 | VN0924WBL01 | VN0924WBL01 | VN087935.D | 24 Sep 2025 09:47 | | JC\MD | Ok |
| 5 | VN0924WBS01 | VN0924WBS01 | VN087936.D | 24 Sep 2025 10:08 | | JC\MD | Ok,M |
| 6 | VN0924WBSD01 | VN0924WBSD01 | VN087937.D | 24 Sep 2025 10:42 | | JC\MD | Ok,M |
| 7 | IBLK | IBLK | VN087938.D | 24 Sep 2025 11:04 | | JC\MD | Ok |
| 8 | Q3155-04 | TB | VN087939.D | 24 Sep 2025 11:25 | vial A pH<2 TB | JC\MD | Ok |
| 9 | Q3157-03 | TB | VN087940.D | 24 Sep 2025 11:46 | vial A pH<2 TB | JC\MD | Ok |
| 10 | PB169792TB | PB169792TB | VN087941.D | 24 Sep 2025 12:07 | | JC\MD | Ok,M |
| 11 | Q3159-02 | VNJ-245 | VN087942.D | 24 Sep 2025 12:28 | vial A pH#5.0 | JC\MD | Ok |
| 12 | Q3159-04 | VNJ-255 | VN087943.D | 24 Sep 2025 12:50 | vial A pH#5.0 | JC\MD | Ok |
| 13 | Q3167-02 | RT4784 | VN087944.D | 24 Sep 2025 13:11 | vial A pH#5.0 Surrogate Fail | JC\MD | ReRun |
| 14 | Q3167-02 | RT4784 | VN087945.D | 24 Sep 2025 13:47 | vial B pH#5.0 | JC\MD | Ok |
| 15 | VSTDCCC050 | VSTDCCC050EC | VN087946.D | 24 Sep 2025 15:37 | | JC\MD | Ok,M |

M : Manual Integration

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** JIGNESH
**Date:** 9/22/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:10
**In Date:** 09/19/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:37
**Out Date:** 09/20/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB137247

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q3143-05 | SVOC-GPC-BLANK | 1 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q3143-06 | PEST-GPC-BLANK | 2 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q3143-07 | PEST-GPC-BLANK-SPIKE | 3 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q3143-08 | SVOC-GPC2-BLANK | 4 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q3143-09 | PEST-GPC2-BLANK | 5 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q3143-10 | PEST -GPC2-BLANK-SPIKE | 6 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | |
| Q3145-01 | SP-A | 7 | 1.14 | 10.75 | 11.89 | 10.28 | 85.0 | |
| Q3145-02 | SP-A-EPH-2 | 8 | 1.19 | 10.41 | 11.6 | 10.1 | 85.6 | |
| Q3145-03 | SP-B | 9 | 1.19 | 10.10 | 11.29 | 9.75 | 84.8 | |
| Q3145-04 | SP-B-EPH-2 | 10 | 1.13 | 10.64 | 11.77 | 10.28 | 86.0 | |
| Q3146-01 | MECHANIC-ST-PAINT-CHIPS | 11 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | PAINT CHIPS SAMPLE |
| Q3147-01 | S-1 | 12 | 1.18 | 10.22 | 11.4 | 10.7 | 93.2 | |
| Q3147-02 | S-2 | 13 | 1.16 | 10.55 | 11.71 | 10.8 | 91.4 | |
| Q3147-03 | S-3 | 14 | 1.19 | 10.42 | 11.61 | 10.84 | 92.6 | |
| Q3147-04 | S-4 | 15 | 1.16 | 10.21 | 11.37 | 10.34 | 89.9 | |
| Q3147-05 | S-5 | 16 | 1.19 | 10.13 | 11.32 | 10.6 | 92.9 | |
| Q3147-06 | S-6 | 17 | 1.19 | 10.36 | 11.55 | 10.74 | 92.2 | |
| Q3147-07 | S-7 | 18 | 1.19 | 10.72 | 11.91 | 11.00 | 91.5 | |
| Q3147-08 | S-8 | 19 | 1.16 | 10.55 | 11.71 | 10.7 | 90.4 | |
| Q3147-09 | S-9 | 20 | 1.19 | 10.28 | 11.47 | 10.55 | 91.1 | |
| Q3147-10 | S-10 | 21 | 1.19 | 10.77 | 11.96 | 11.32 | 94.1 | |
| Q3147-11 | S-11 | 22 | 1.17 | 10.58 | 11.75 | 10.97 | 92.6 | |
| Q3147-12 | S-12 | 23 | 1.13 | 10.67 | 11.8 | 10.88 | 91.4 | |
| Q3147-13 | S-13 | 24 | 1.19 | 10.70 | 11.89 | 11.15 | 93.1 | |
| Q3147-14 | S-14 | 25 | 1.19 | 10.39 | 11.58 | 10.85 | 93.0 | |
| Q3147-15 | S-15 | 26 | 1.11 | 10.77 | 11.88 | 10.96 | 91.5 | |
| Q3147-16 | S-16 | 27 | 1.19 | 10.32 | 11.51 | 10.47 | 89.9 | |
| Q3147-17 | S-17 | 28 | 1.15 | 10.58 | 11.73 | 10.8 | 91.2 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** JIGNESH
**Date:** 9/22/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:10
**In Date:** 09/19/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:37
**Out Date:** 09/20/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB137247

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q3147-18 | S-18 | 29 | 1.18 | 10.70 | 11.88 | 10.95 | 91.3 | |
| Q3147-19 | S-19 | 30 | 1.14 | 10.92 | 12.06 | 11.17 | 91.8 | |
| Q3147-20 | S-20 | 31 | 1.15 | 11.56 | 12.71 | 11.72 | 91.4 | |
| Q3147-21 | S-21 | 32 | 1.18 | 10.61 | 11.79 | 10.96 | 92.2 | |
| Q3147-22 | S-22 | 33 | 1.19 | 11.06 | 12.25 | 11.15 | 90.1 | |
| Q3147-23 | S-23 | 34 | 1.15 | 10.40 | 11.55 | 10.6 | 90.9 | |
| Q3147-24 | S-24 | 35 | 1.19 | 10.75 | 11.94 | 11.14 | 92.6 | |
| Q3147-25 | S-25 | 36 | 1.18 | 10.24 | 11.42 | 10.72 | 93.2 | |
| Q3147-26 | S-26 | 37 | 1.15 | 10.35 | 11.5 | 11.04 | 95.6 | |
| Q3147-27 | S-27 | 38 | 1.15 | 10.26 | 11.41 | 10.27 | 88.9 | |
| Q3147-28 | S-28 | 39 | 1.16 | 11.34 | 12.5 | 11.72 | 93.1 | |
| Q3147-29 | S-29 | 40 | 1.19 | 11.23 | 12.42 | 11.42 | 91.1 | |
| Q3147-30 | S-30 | 41 | 1.13 | 10.34 | 11.47 | 10.94 | 94.9 | |
| Q3147-31 | S-31 | 42 | 1.15 | 11.25 | 12.4 | 11.9 | 95.6 | |
| Q3147-32 | S-32 | 43 | 1.15 | 10.91 | 12.06 | 11.51 | 95.0 | |
| Q3150-01 | MER Rd Con Ed | 44 | 1.15 | 10.51 | 11.66 | 10.67 | 90.6 | |
| Q3150-02 | MER Rd Con Ed | 45 | 1.15 | 10.51 | 11.66 | 10.67 | 90.6 | |
| Q3150-03 | Mid Site Grid 5-7 | 46 | 1.16 | 10.02 | 11.18 | 8.85 | 76.7 | |
| Q3150-04 | Mid Site Grid 5-7 | 47 | 1.16 | 10.02 | 11.18 | 8.85 | 76.7 | |
| Q3151-01 | MH-OIL | 48 | 1.00 | 1.00 | 2.00 | 2.00 | 100.0 | oil sample |
| Q3152-01 | EO-02-091925 | 49 | 1.14 | 10.86 | 12.00 | 11.16 | 92.3 | |
| Q3152-02 | EO-02-091925-E2 | 50 | 1.14 | 10.38 | 11.52 | 10.64 | 91.5 | |
| Q3153-01 | OR-500-COMP-39 | 51 | 1.18 | 10.64 | 11.82 | 11.07 | 93.0 | |
| Q3153-02 | OR-500-VOC-115 | 52 | 1.17 | 10.52 | 11.69 | 11.13 | 94.7 | |
| Q3153-03 | OR-500-115 | 53 | 1.19 | 10.49 | 11.68 | 10.88 | 92.4 | |
| Q3153-05 | OR-500-COMP-40 | 54 | 1.19 | 10.15 | 11.34 | 10.00 | 86.8 | |
| Q3153-06 | OR-500-VOC-116 | 55 | 1.14 | 10.30 | 11.44 | 10.41 | 90.0 | |
| Q3153-07 | OR-500-116 | 56 | 1.13 | 10.37 | 11.5 | 10.15 | 87.0 | |

# PERCENT SOLID

**Supervisor:** Iwona
**Analyst:** JIGNESH
**Date:** 9/22/2025

**OVENTEMP IN Celsius(°C):** 107
**Time IN:** 17:10
**In Date:** 09/19/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**OvenID:** M OVEN#1

**OVENTEMP OUT Celsius(°C):** 104
**Time OUT:** 08:37
**Out Date:** 09/20/2025
**Weight Check 1.0g:** 1.00
**Weight Check 10g:** 10.00
**BalanceID:** M SC-4
**Thermometer ID:** % SOLID-OVEN

**QC:** LB137247

| Lab ID | Client SampleID | Dish # | Dish Wt(g) (A) | Sample Wt(g) | Dish + Sample Wt(g) (B) | Dish+Dry Sample Wt(g) (C) | % Solid | Comments |
|---|---|---|---|---|---|---|---|---|
| Q3155-01 | COMP-1 | 57 | 1.11 | 10.26 | 11.37 | 10.12 | 87.8 | |
| Q3155-02 | COMP-2 | 58 | 1.14 | 10.30 | 11.44 | 10.52 | 91.1 | |
| Q3155-03 | COMP-3 | 59 | 1.18 | 10.23 | 11.41 | 10.57 | 91.8 | |
| Q3157-01 | 20-DEAD-1 | 60 | 1.19 | 10.91 | 12.1 | 11.11 | 90.9 | |

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

# WORKLIST(Hardcopy Internal Chain)

ID 137247

**WorkList Name :** %1-091925 **WorkList ID :** 191953 **Department :** Wet-Chemistry **Date :** 09-19-2025 09:51:17

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3143-05 | SVOC-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | ALLI03 | I52 | 09/12/2025 | Chemtech -SO |
| Q3143-06 | PEST-GPC-BLANK | Solid | Percent Solids | Cool 4 deg C | ALLI03 | I52 | 09/12/2025 | Chemtech -SO |
| Q3143-07 | PEST-GPC-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | ALLI03 | I52 | 09/12/2025 | Chemtech -SO |
| Q3143-08 | SVOC-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | ALLI03 | I52 | 09/12/2025 | Chemtech -SO |
| Q3143-09 | PEST-GPC2-BLANK | Solid | Percent Solids | Cool 4 deg C | ALLI03 | I52 | 09/12/2025 | Chemtech -SO |
| Q3143-10 | PEST -GPC2-BLANK-SPIKE | Solid | Percent Solids | Cool 4 deg C | ALLI03 | I52 | 09/12/2025 | Chemtech -SO |
| Q3145-01 | SP-A | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3145-02 | SP-A-EPH-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3145-03 | SP-B | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3145-04 | SP-B-EPH-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3146-01 | MECHANIC-ST-PAINT-CHIPS | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D41 | 09/19/2025 | Chemtech -SO |
| Q3147-01 | S-1 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-02 | S-2 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-03 | S-3 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-04 | S-4 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-05 | S-5 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-06 | S-6 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-07 | S-7 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-08 | S-8 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-09 | S-9 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-10 | S-10 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |

**Date/Time** 09-19-25 15:00

**Raw Sample Received by:** JD WC

**Raw Sample Relinquished by:** [signature]

**Date/Time** 09-19-25 17:20

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature]

# WORKLIST(Hardcopy Internal Chain)

VB 137247

**WorkList Name :** %1-091925 **WorkList ID :** 191953 **Department :** Wet-Chemistry **Date :** 09-19-2025 09:51:17

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3147-11 | S-11 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-12 | S-12 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-13 | S-13 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-14 | S-14 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-15 | S-15 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-16 | S-16 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-17 | S-17 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-18 | S-18 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-19 | S-19 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-20 | S-20 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-21 | S-21 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-22 | S-22 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-23 | S-23 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-24 | S-24 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-25 | S-25 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-26 | S-26 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-27 | S-27 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-28 | S-28 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-29 | S-29 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-30 | S-30 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3147-31 | S-31 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |

**Date/Time** 09.19.25 15:00

**Raw Sample Received by:** [signature]

**Raw Sample Relinquished by:** [signature] SM

**Date/Time** 09.19.25 17:20

**Raw Sample Received by:** [signature] SM

**Raw Sample Relinquished by:** [signature]

# WORKLIST(Hardcopy Internal Chain)

JB 137247

**WorkList Name :** %1-091925 **WorkList ID :** 191953 **Department :** Wet-Chemistry **Date :** 09-19-2025 09:51:17

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q3147-32 | S-32 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/15/2025 | Chemtech -SO |
| Q3150-01 | MER Rd Con Ed | Solid | Percent Solids | Cool 4 deg C | SCAL01 | J23 | 09/18/2025 | Chemtech -SO |
| Q3150-02 | MER Rd Con Ed | Solid | Percent Solids | Cool 4 deg C | SCAL01 | J23 | 09/18/2025 | Chemtech -SO |
| Q3150-03 | Mid Site Grid 5-7 | Solid | Percent Solids | Cool 4 deg C | SCAL01 | J23 | 09/18/2025 | Chemtech -SO |
| Q3150-04 | Mid Site Grid 5-7 | Solid | Percent Solids | Cool 4 deg C | SCAL01 | J23 | 09/18/2025 | Chemtech -SO |
| Q3151-01 | MH-OIL | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3152-01 | EO-02-091925 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | D31 | 09/19/2025 | Chemtech -SO |
| Q3152-02 | EO-02-091925-E2 | Solid | Percent Solids | Cool 4 deg C | PSEG05 | D31 | 09/19/2025 | Chemtech -SO |
| Q3153-01 | OR-500-COMP-39 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3153-02 | OR-500-VOC-115 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3153-03 | OR-500-115 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3153-05 | OR-500-COMP-40 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3153-06 | OR-500-VOC-116 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3153-07 | OR-500-116 | Solid | Percent Solids | Cool 4 deg C | PSEG03 | D31 | 09/19/2025 | Chemtech -SO |
| Q3155-01 | COMP-1 | Solid | Percent Solids | Cool 4 deg C | POWE02 | D41 | 09/19/2025 | Chemtech -SO |
| Q3155-02 | COMP-2 | Solid | Percent Solids | Cool 4 deg C | POWE02 | D41 | 09/19/2025 | Chemtech -SO |
| Q3155-03 | COMP-3 | Solid | Percent Solids | Cool 4 deg C | POWE02 | D41 | 09/19/2025 | Chemtech -SO |
| Q3157-01 | 20-DEAD-1 | Solid | Percent Solids | Cool 4 deg C | ALWA01 | D31 | 09/19/2025 | Chemtech -SO |

**Date/Time** 09-19-25 15:00
**Raw Sample Received by:** JB WJC
**Raw Sample Relinquished by:** SM

**Date/Time** 09-19-25 17:20
**Raw Sample Received by:** SM
**Raw Sample Relinquished by:** JB WJC


# SHIPPING DOCUMENTS

# Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q3155
COC Number 2045122

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd. Suite 3800
CITY Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: Tanner Duckrey School
PROJECT NO.: 20002098.001A LOCATION: Philadelphia
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

## CLIENT BILLING INFORMATION

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

## DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 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

## ANALYSIS

PADEP List of Clean Fill Parameters

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | E | | | | | | | | | ← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER |
| 1. | COMP-1 | Soil | ✓ | | 9/18/25 | 9:55 | 6 | ✓ | | | | | | | | | |
| 2. | COMP-2 | ↓ | ↓ | | ↓ | 10:40 | ↓ | ↓ | | | | | | | | | |
| 3. | COMP-3 | ↓ | ↓ | | ↓ | 11:30 | ↓ | ↓ | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

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

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. | 9/18/25 | 1. |
| 2. FedEx | 9-19-25 1115 | 2. |
| 3. | | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.6C °C
Comments:

Page 1 of 1

CLIENT: ☐ Hand Delivered ☑ Other FedEx

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. |
|---|---|
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255425 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | TX-C25-00189 |
| | |
| Virginia | 460312 |

QA Control Code: A2070148

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

# LOGIN REPORT/SAMPLE TRANSFER

YG 09/29/2025

**Order ID :** Q3155 POWE02
**Client Name :** Kleinfelder
**Client Contact :** Mark Warchol
**Invoice Name :** Kleinfelder
**Invoice Contact :** Mark Warchol

**Order Date :** 9/19/2025 1:05:00 PM
**Project Name :** Tanner G. Duckrey Public S
**Receive DateTime :** 9/19/2025 ~~12:00:00 AM~~ 11:15AM
**Purchase Order :**

**Project Mgr :** Yazmeen
**Report Type :** Results+QC
**EDD Type :** EXCEL NOCLEANUP
**Hard Copy Date :**
**Date Signoff :** 9/19/2025 1:30:45 PM

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q3155-01 | COMP-1 | Solid | ~~09/19/2025~~ 09/18/2025 | 09:55 | VOCMS Group1 | | 8260D | | 5 Bus. Days |
| Q3155-02 | COMP-2 | Solid | ~~09/19/2025~~ 09/18/2025 | 10:40 | VOCMS Group1 | | 8260D | | 5 Bus. Days |
| Q3155-03 | COMP-3 | Solid | ~~09/19/2025~~ 09/18/2025 | 11:30 | VOCMS Group1 | | 8260D | | 5 Bus. Days |
| Q3155-04 | TB | Water | ~~09/19/2025~~ 09/18/2025 | 00:00 | VOC-TCLVOA-10 | | 8260D | | 5 Bus. Days |

**Relinguished By :**
**Date / Time :** 9/19/25 1336

**Received By :** 1320
**Date / Time :** 09/19/25
**Storage Area :** VOA Refridgerator Room

Rgt # 6
R22
Rgt 4