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

# DATA REPORTING QUALIFIERS- ORGANIC

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

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

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2463 | **OrderDate:** | 6/30/2025 11:27:00 AM |
| **Client:** | ENTACT | **Project:** | 540 Degraw St, Brooklyn, NY - E9309 |
| **Contact:** | Austin Farmerie | **Location:** | A53,VOA Lab |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2463-01** | **TW-WTS-11** | **Water** | | | **06/27/25** | | | **06/30/25** |
| | | | VOCMS Group4 | 8260-Low | | | 07/01/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2463

**Client:** ENTACT

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **TW-WTS-11** | | | | | | | |
| Q2463-01 | TW-WTS-11 | Water | Benzene | 1.80 | | 0.15 | 1.00 | ug/L |
| Q2463-01 | TW-WTS-11 | Water | Toluene | 0.26 | J | 0.14 | 1.00 | ug/L |
| Q2463-01 | TW-WTS-11 | Water | Ethyl Benzene | 0.68 | J | 0.13 | 1.00 | ug/L |
| Q2463-01 | TW-WTS-11 | Water | Total Xylenes | 0.39 | J | 0.36 | 3.00 | ug/L |
| | | | **Total Voc :** | 3.13 | | | | |
| | | | **Total Concentration:** | 3.13 | | | | |


# QC SUMMARY

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# Surrogate Summary

**SDG No.:** Q2463

**Client:** ENTACT

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| Q2463-01 | TW-WTS-11 | 1,2-Dichloroethane-d4 | 50 | 48.1 | 96 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 45.5 | 91 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 47.7 | 95 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 49.8 | 100 | | 70 (77) | 130 (121) |
| VX0701WBL01 | VX0701WBL01 | 1,2-Dichloroethane-d4 | 50 | 49.7 | 99 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 51.1 | 102 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 50.5 | 101 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 52.2 | 104 | | 70 (77) | 130 (121) |
| VX0701WBS01 | VX0701WBS01 | 1,2-Dichloroethane-d4 | 50 | 42.7 | 85 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 46.8 | 94 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 47.3 | 94 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 48.0 | 96 | | 70 (77) | 130 (121) |
| VX0701WBSD0 | VX0701WBSD01 | 1,2-Dichloroethane-d4 | 50 | 45.2 | 90 | | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 48.3 | 97 | | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 47.9 | 96 | | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 49.0 | 98 | | 70 (77) | 130 (121) |

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2463 **Analytical Method:** SW8260-Low

**Client:** ENTACT **Datafile :** VX046847.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0701WBS01 | Methyl tert-butyl Ether | 20 | 17.4 | ug/L | 87 | | | 70 (78) | 130 (114) | |
| | Carbon Tetrachloride | 20 | 18.5 | ug/L | 93 | | | 70 (77) | 130 (113) | |
| | Chloroform | 20 | 19.5 | ug/L | 98 | | | 70 (79) | 130 (113) | |
| | 1,1,1-Trichloroethane | 20 | 18.4 | ug/L | 92 | | | 70 (80) | 130 (108) | |
| | Benzene | 20 | 19.4 | ug/L | 97 | | | 70 (82) | 130 (109) | |
| | Toluene | 20 | 19.6 | ug/L | 98 | | | 70 (82) | 130 (110) | |
| | Tetrachloroethene | 20 | 18.9 | ug/L | 95 | | | 70 (67) | 130 (123) | |
| | Ethyl Benzene | 20 | 19.2 | ug/L | 96 | | | 70 (83) | 130 (109) | |
| | m/p-Xylenes | 40 | 39.3 | ug/L | 98 | | | 70 (82) | 130 (110) | |
| | o-Xylene | 20 | 19.8 | ug/L | 99 | | | 70 (83) | 130 (109) | |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2463 **Analytical Method:** SW8260-Low

**Client:** ENTACT **Datafile :** VX046848.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VX0701WBSD01 | Methyl tert-butyl Ether | 20 | 18.3 | ug/L | 92 | 6 | | 70 (78) | 130 (114) | 20 (20) |
| | Carbon Tetrachloride | 20 | 18.6 | ug/L | 93 | 0 | | 70 (77) | 130 (113) | 20 (15) |
| | Chloroform | 20 | 19.7 | ug/L | 99 | 1 | | 70 (79) | 130 (113) | 20 (20) |
| | 1,1,1-Trichloroethane | 20 | 18.4 | ug/L | 92 | 0 | | 70 (80) | 130 (108) | 20 (20) |
| | Benzene | 20 | 19.4 | ug/L | 97 | 0 | | 70 (82) | 130 (109) | 20 (15) |
| | Toluene | 20 | 19.9 | ug/L | 100 | 2 | | 70 (82) | 130 (110) | 20 (16) |
| | Tetrachloroethene | 20 | 18.9 | ug/L | 95 | 0 | | 70 (67) | 130 (123) | 20 (15) |
| | Ethyl Benzene | 20 | 18.9 | ug/L | 95 | 1 | | 70 (83) | 130 (109) | 20 (16) |
| | m/p-Xylenes | 40 | 39.2 | ug/L | 98 | 0 | | 70 (82) | 130 (110) | 20 (15) |
| | o-Xylene | 20 | 19.9 | ug/L | 100 | 1 | | 70 (83) | 130 (109) | 20 (20) |

( ) = LABORATORY INHOUSE LIMIT

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# VOLATILE METHOD BLANK SUMMARY

Client ID: VX0701WBL01

Lab Name: Alliance | Contract: ENTA05

Lab Code: ACE | SDG NO.: Q2463

Lab File ID: VX046846.D | Lab Sample ID: VX0701WBL01

Date Analyzed: 07/01/2025 | Time Analyzed: 09:41

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

Instrument ID: MSVOA_X

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VX0701WBS01 | VX0701WBS01 | VX046847.D | 07/01/2025 |
| VX0701WBSD01 | VX0701WBSD01 | VX046848.D | 07/01/2025 |
| TW-WTS-11 | Q2463-01 | VX046851.D | 07/01/2025 |

COMMENTS:

Raw Data: **VX046715.D**

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

Lab Name: Alliance
Contract: ENTA05
Lab Code: ACE
SDG NO.: Q2463
Lab File ID: VX046715.D
BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:46
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 18.7 |
| 75 | 30.0 - 60.0% of mass 95 | 50.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.5 |
| 173 | Less than 2.0% of mass 174 | 0.5 ( 0.7 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 74.8 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 7.4 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 72 ( 96.2 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.3 ( 6 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC005 | VSTDICC005 | VX046718.D | 06/17/2025 | 11:19 |
| VSTDICC020 | VSTDICC020 | VX046719.D | 06/17/2025 | 13:59 |
| VSTDICCC050 | VSTDICCC050 | VX046720.D | 06/17/2025 | 14:20 |
| VSTDICC100 | VSTDICC100 | VX046721.D | 06/17/2025 | 14:41 |
| VSTDICC150 | VSTDICC150 | VX046722.D | 06/17/2025 | 15:02 |
| VSTDICC001 | VSTDICC001 | VX046725.D | 06/17/2025 | 17:18 |

Raw Data: **VX046843.D**

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

Lab Name: Alliance
Contract: ENTA05
Lab Code: ACE
SDG NO.: Q2463
Lab File ID: VX046843.D
BFB Injection Date: 07/01/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:11
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 18.6 |
| 75 | 30.0 - 60.0% of mass 95 | 50.7 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 6.3 |
| 173 | Less than 2.0% of mass 174 | 0.8 ( 1.1 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 77 |
| 175 | 5.0 - 9.0% of mass 174 | 5.8 ( 7.5 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 74.4 ( 96.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.7 ( 6.3 ) 2 |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VX046844.D | 07/01/2025 | 08:53 |
| VX0701WBL01 | VX0701WBL01 | VX046846.D | 07/01/2025 | 09:41 |
| VX0701WBS01 | VX0701WBS01 | VX046847.D | 07/01/2025 | 10:15 |
| VX0701WBSD01 | VX0701WBSD01 | VX046848.D | 07/01/2025 | 10:42 |
| TW-WTS-11 | Q2463-01 | VX046851.D | 07/01/2025 | 11:54 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENTA05

Lab Code: ACE SDG NO.: Q2463

Lab File ID: VX046844.D Date Analyzed: 07/01/2025

Instrument ID: MSVOA_X Time Analyzed: 08:53

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

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 147192 | 5.56 | 233068 | 6.76 | 203219 | 10.05 |
| UPPER LIMIT | 294384 | 6.056 | 466136 | 7.263 | 406438 | 10.549 |
| LOWER LIMIT | 73596 | 5.056 | 116534 | 6.263 | 101610 | 9.549 |
| EPA SAMPLE NO. | | | | | | |
| TW-WTS-11 | 149182 | 5.56 | 256031 | 6.76 | 234680 | 10.06 |
| VX0701WBL01 | 140918 | 5.56 | 239139 | 6.77 | 216898 | 10.06 |
| VX0701WBS01 | 144669 | 5.56 | 236747 | 6.76 | 211980 | 10.05 |
| VX0701WBSD01 | 134985 | 5.56 | 220693 | 6.76 | 201379 | 10.05 |

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: ENTA05

Lab Code: ACE SDG NO.: Q2463

Lab File ID: VX046844.D Date Analyzed: 07/01/2025

Instrument ID: MSVOA_X Time Analyzed: 08:53

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 99291 | 12.018 | | | | |
| UPPER LIMIT | 198582 | 12.518 | | | | |
| LOWER LIMIT | 49645.5 | 11.518 | | | | |
| EPA SAMPLE NO. | | | | | | |
| TW-WTS-11 | 121306 | 12.02 | | | | |
| VX0701WBL01 | 112050 | 12.02 | | | | |
| VX0701WBS01 | 107120 | 12.02 | | | | |
| VX0701WBSD01 | 102368 | 12.02 | | | | |

IS4 = 1,4-Dichlorobenzene-d4

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

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


# SAMPLE DATA

Raw Data: **VX046851.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/27/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/30/25 |
| Client Sample ID: | TW-WTS-11 | SDG No.: | Q2463 |
| Lab Sample ID: | Q2463-01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group4 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046851.D | 1 | 07/01/25 11:54 | VX070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 1.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 1.80 | | 0.15 | 1.00 | ug/L |
| 108-88-3 | Toluene | 0.26 | J | 0.14 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.68 | J | 0.13 | 1.00 | ug/L |
| 1330-20-7 | Total Xylenes | 0.39 | J | 0.36 | 3.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 48.2 | | 70 (74) - 130 (125) | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 45.5 | | 70 (75) - 130 (124) | 91% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.7 | | 70 (86) - 130 (113) | 95% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.8 | | 70 (77) - 130 (121) | 100% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 149000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 256000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 235000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 121000 | 12.018 | | | |

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046851.D
Acq On : 01 Jul 2025 11:54
Operator : JC/MD
Sample : Q2463-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Quant Time: Jul 02 01:40:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

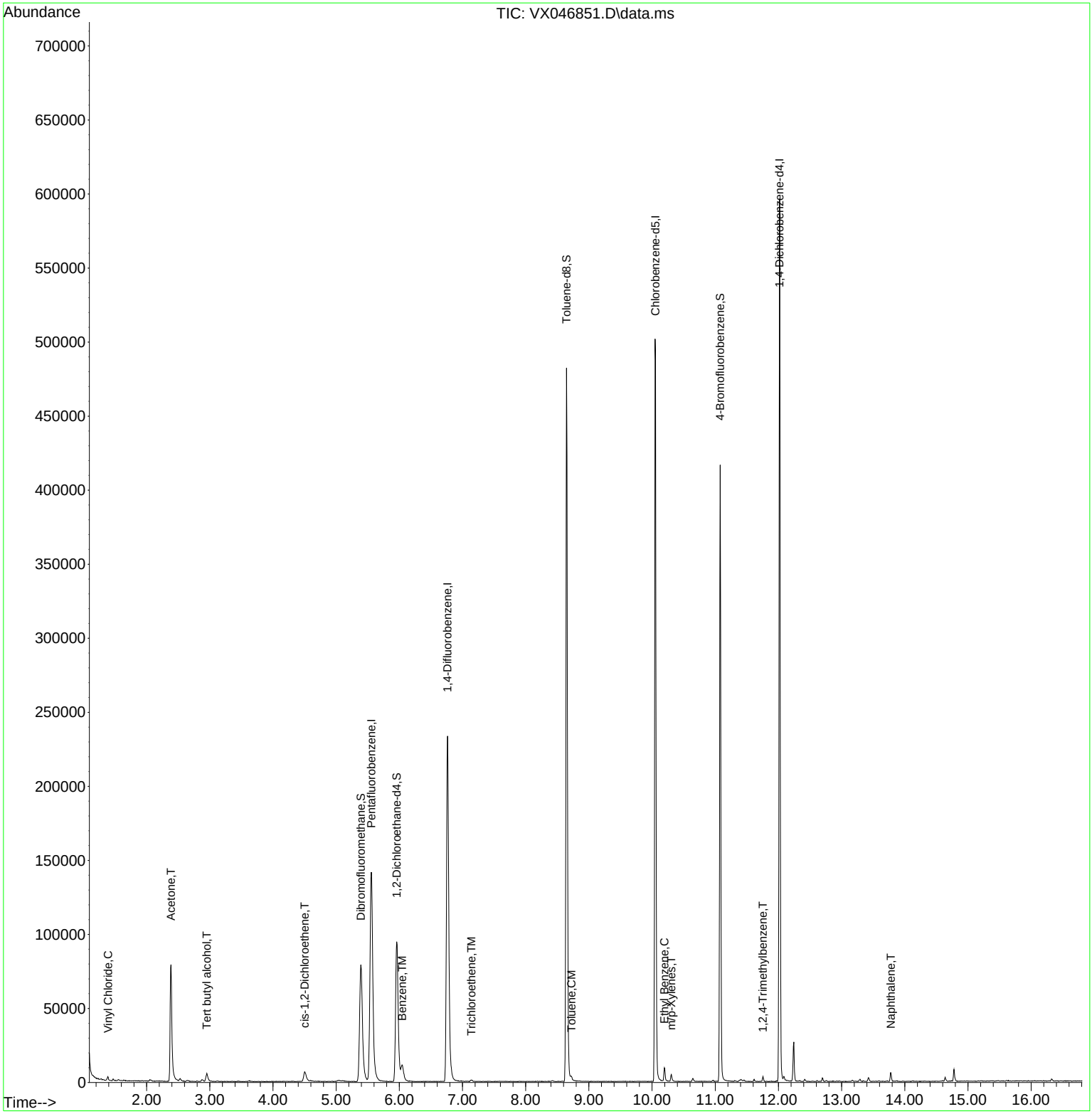
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 149182 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 256031 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 234680 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 121306 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 99359 | 48.152 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = | 96.300% | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 77124 | 45.528 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = | 91.060% | | |
| 50) Toluene-d8 | 8.647 | 98 | 290393 | 47.714 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = | 95.420% | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 112948 | 49.786 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = | 99.580% | | |
| Target Compounds | | | | | | Qvalue |
| 4) Vinyl Chloride | 1.392 | 62 | 1022 | 0.557 | ug/l | 95 |
| 11) Tert butyl alcohol | 2.953 | 59 | 6271 | 33.860 | ug/l # | 93 |
| 16) Acetone | 2.386 | 43 | 100512 | 146.069 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 4878 | 2.355 | ug/l | 91 |
| 40) Benzene | 6.044 | 78 | 12849 | 1.775 | ug/l | 94 |
| 44) Trichloroethene | 7.141 | 130 | 450 | 0.244 | ug/l | 77 |
| 52) Toluene | 8.726 | 92 | 1166 | 0.260 | ug/l | 91 |
| 67) Ethyl Benzene | 10.195 | 91 | 6157 | 0.680 | ug/l | 94 |
| 68) m/p-Xylenes | 10.305 | 106 | 1314 | 0.390 | ug/l | 93 |
| 84) 1,2,4-Trimethylbenzene | 11.756 | 105 | 1744 | 0.236 | ug/l | 93 |
| 95) Naphthalene | 13.780 | 128 | 4639 | 0.585 | ug/l | 96 |

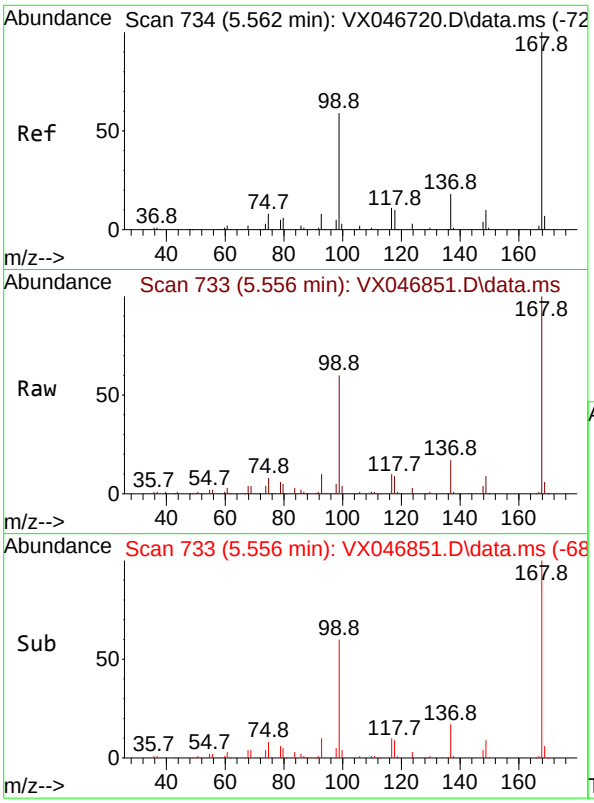
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046851.D
Acq On : 01 Jul 2025 11:54
Operator : JC/MD
Sample : Q2463-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Quant Time: Jul 02 01:40:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



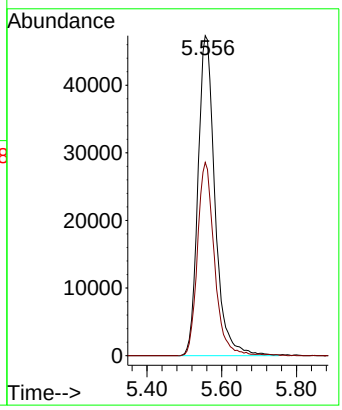


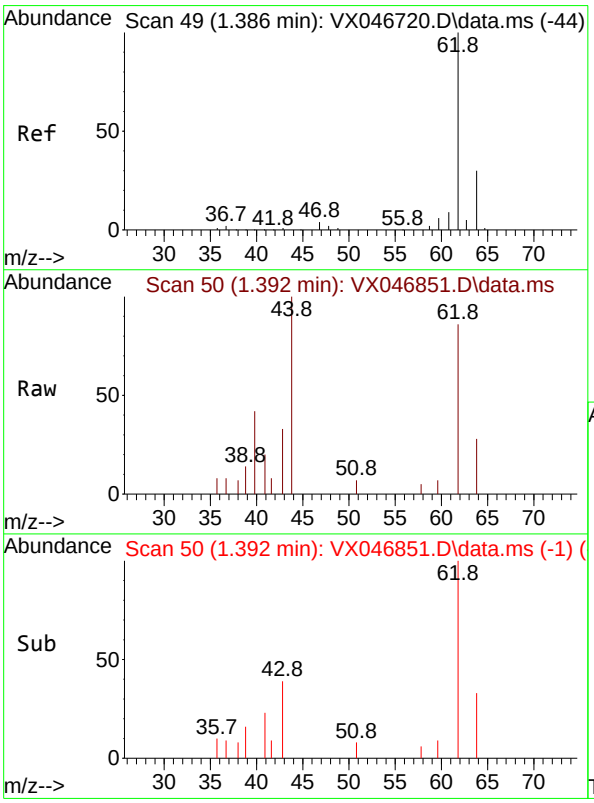

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion:168 Resp: 149182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 60.4 | 48.5 | 72.7 |

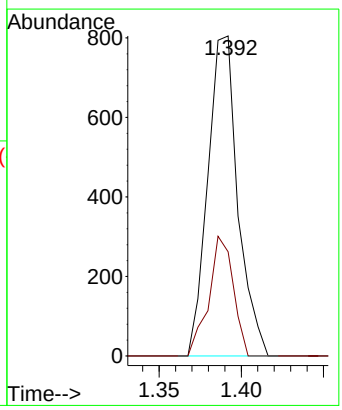


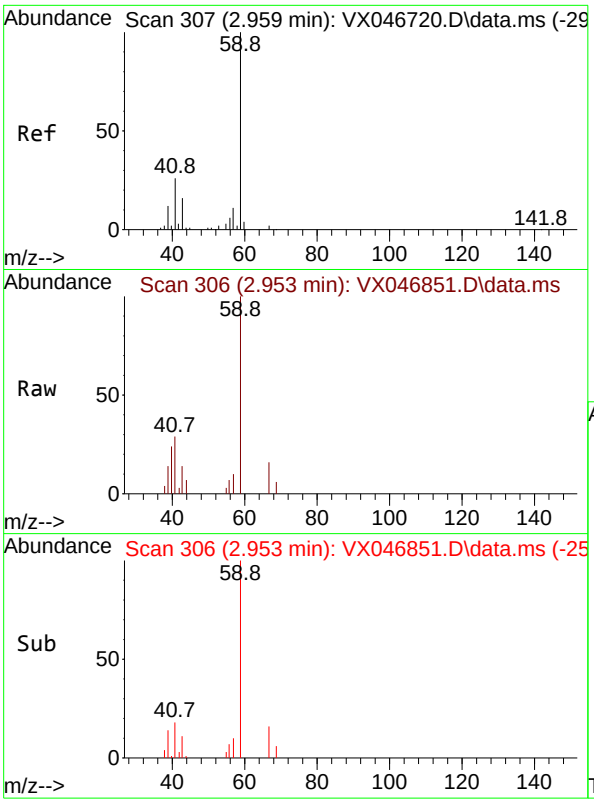




#4
Vinyl Chloride
Concen: 0.557 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 62 Resp: 1022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 62 | 100 | | |
| 64 | 32.5 | 23.9 | 35.9 |



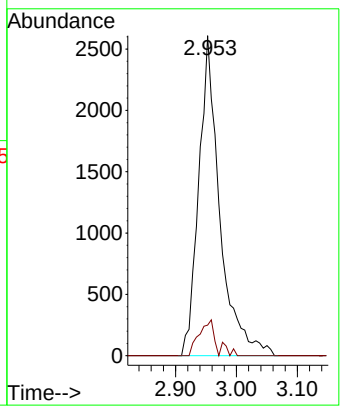


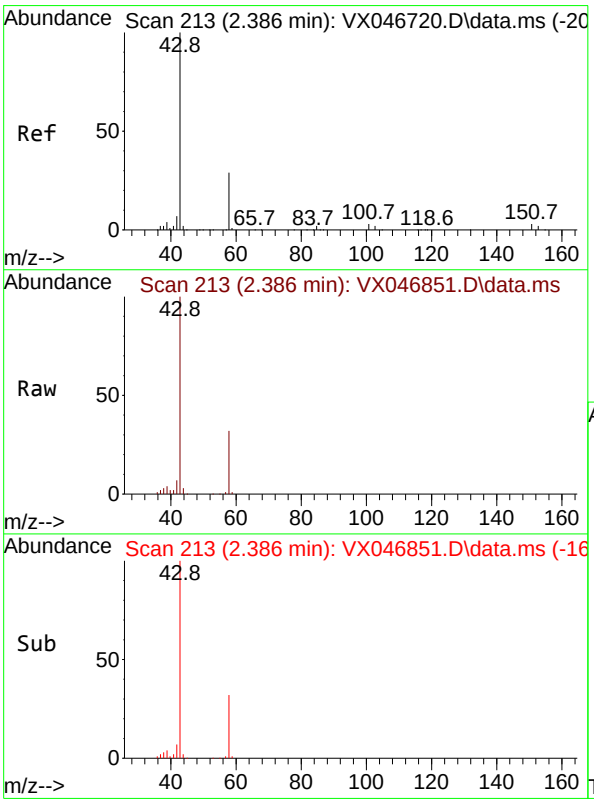

#11
Tert butyl alcohol
Concen: 33.860 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion: 59 Resp: 6271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 59 | 100 | | |
| 57 | 7.8 | 8.3 | 12.5# |

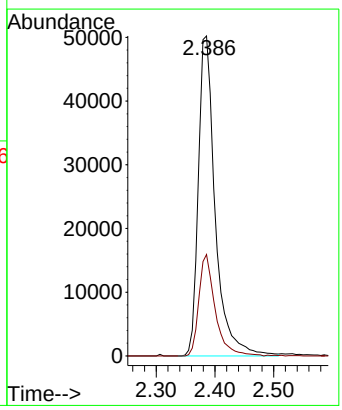


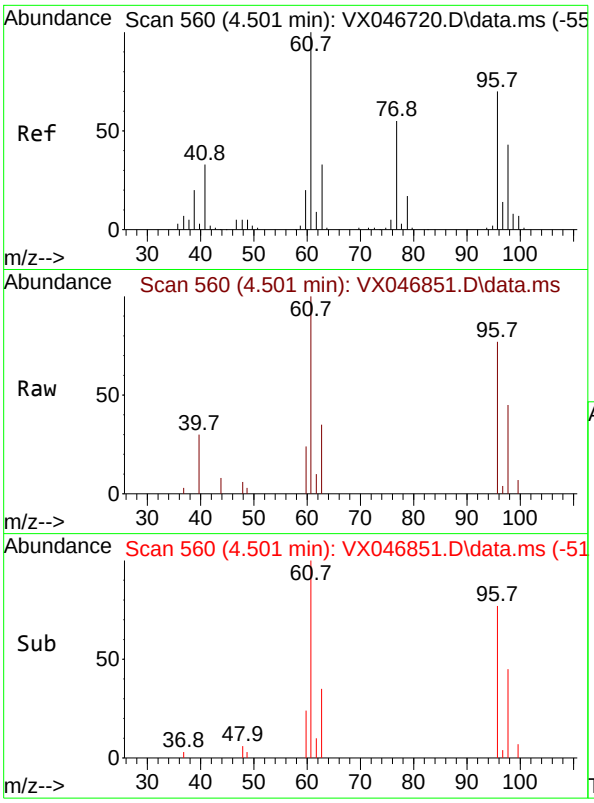




#16
Acetone
Concen: 146.069 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 43 Resp: 100512

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 31.7 | 24.5 | 36.7 |



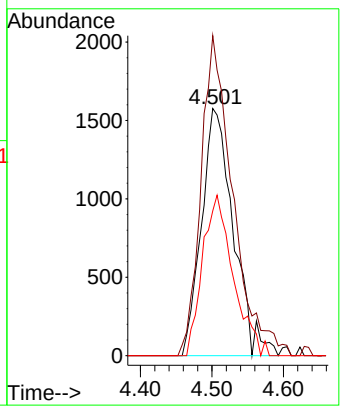


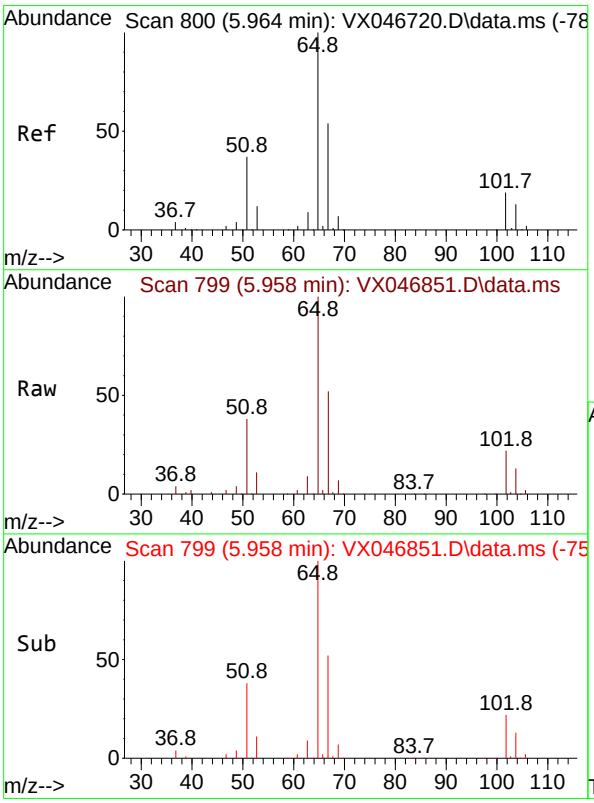

#27
cis-1,2-Dichloroethene
Concen: 2.355 ug/l
RT: 4.501 min Scan# 5
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion: 96 Resp: 4878

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 96 | 100 | | |
| 61 | 129.6 | 0.0 | 291.0 |
| 98 | 62.5 | 0.0 | 126.8 |

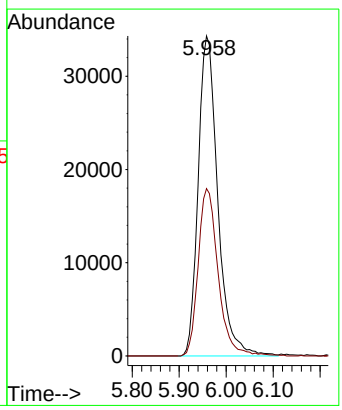


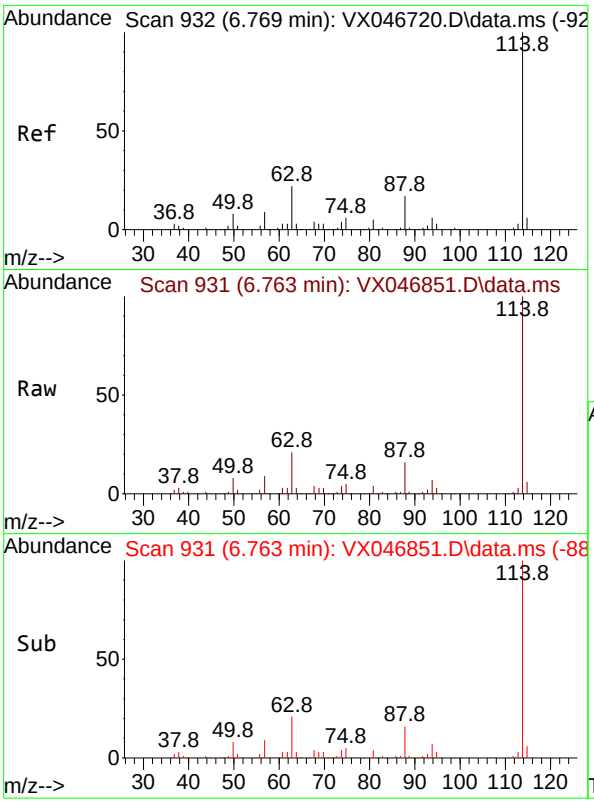




#33
1,2-Dichloroethane-d4
Concen: 48.152 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 65 Resp: 99359

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



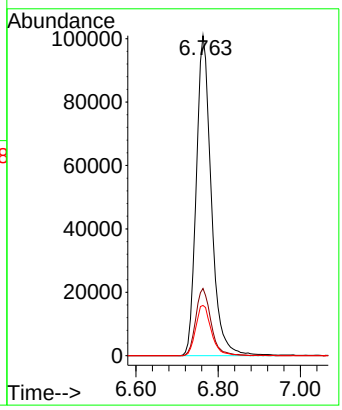


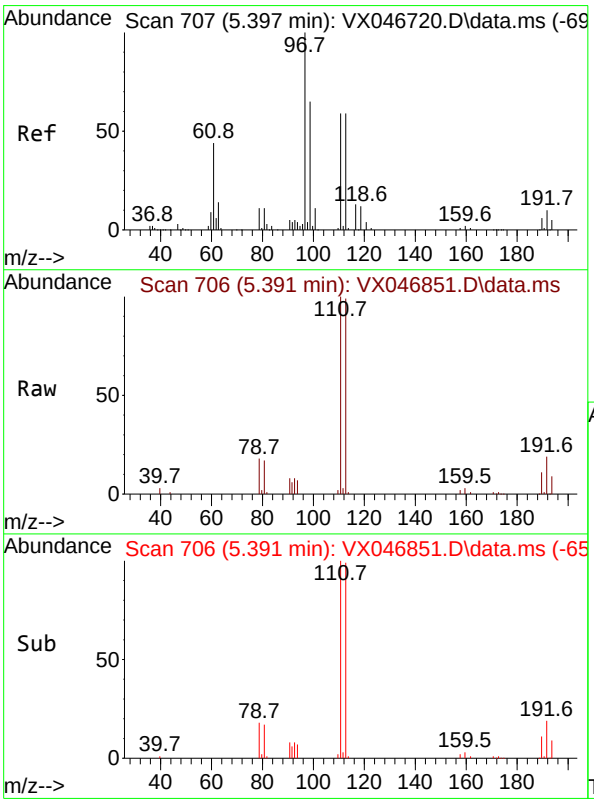

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion:114 Resp: 256031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 21.0 | 0.0 | 44.2 |
| 88 | 15.7 | 0.0 | 33.2 |

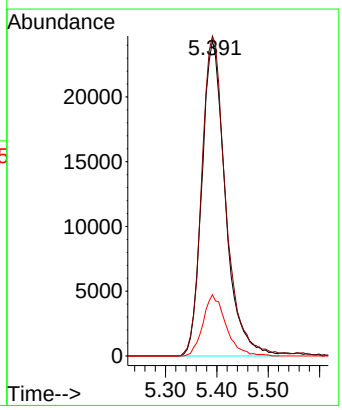


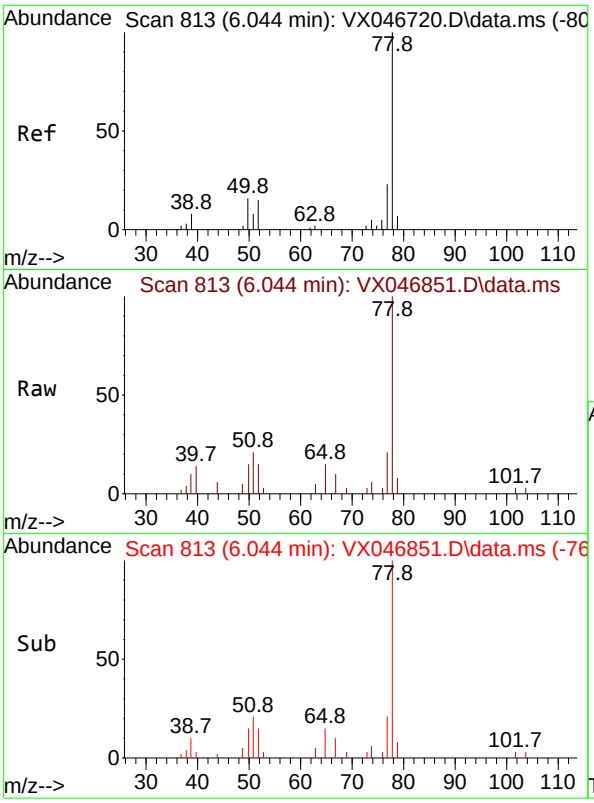




#35
Dibromofluoromethane
Concen: 45.528 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:113 Resp: 77124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 103.8 | 82.0 | 123.0 |
| 192 | 19.1 | 15.3 | 22.9 |



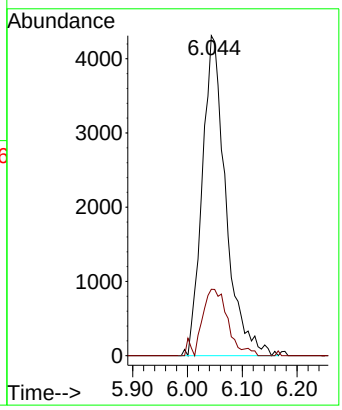


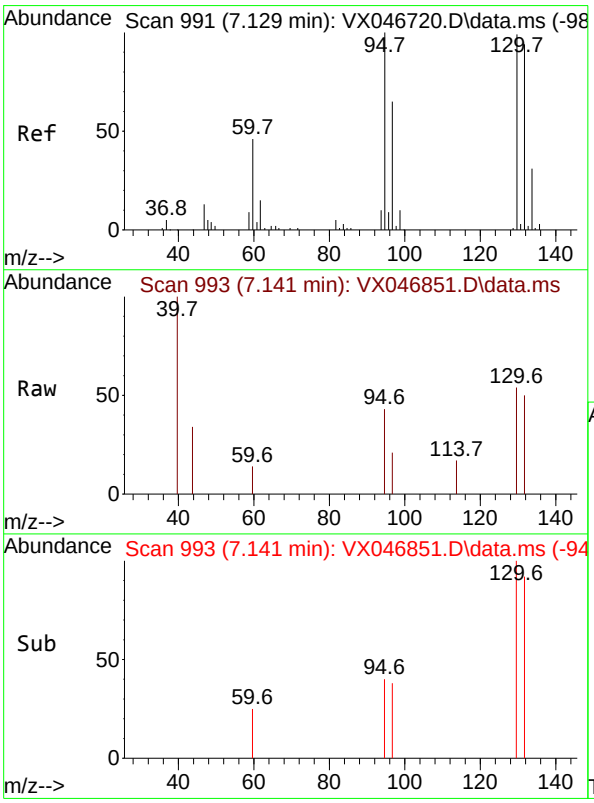

#40
Benzene
Concen: 1.775 ug/l
RT: 6.044 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion: 78 Resp: 12849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 78 | 100 | | |
| 77 | 20.7 | 18.8 | 28.2 |

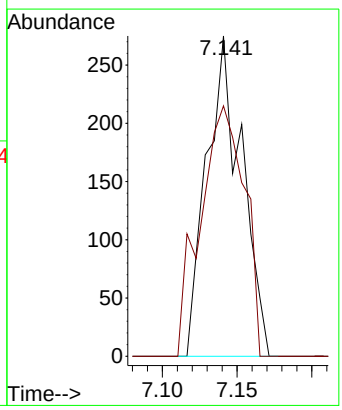


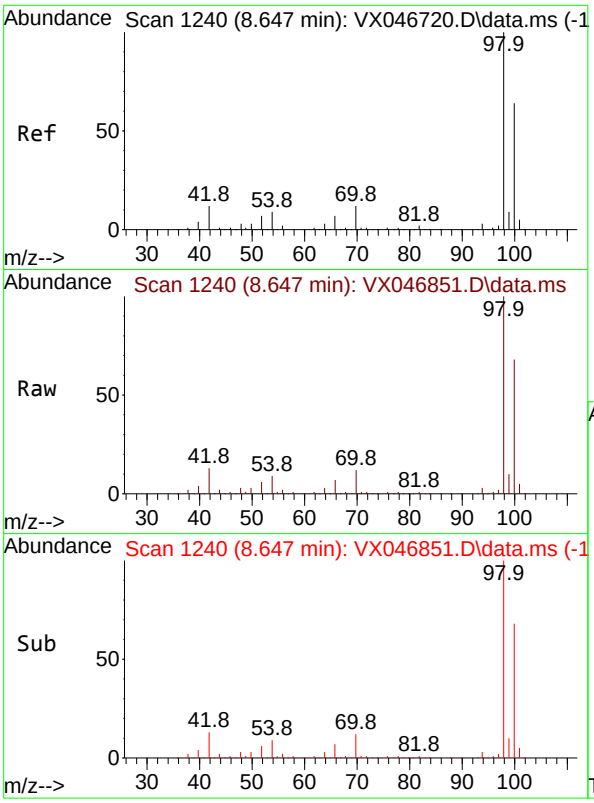




#44
Trichloroethene
Concen: 0.244 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:130 Resp: 450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 130 | 100 | | |
| 95 | 78.2 | 0.0 | 202.6 |



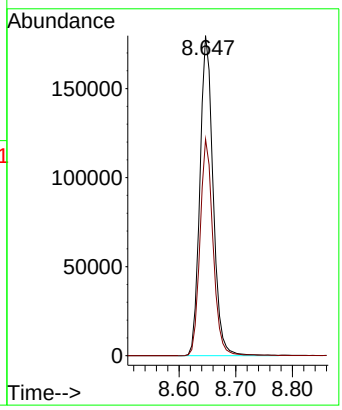


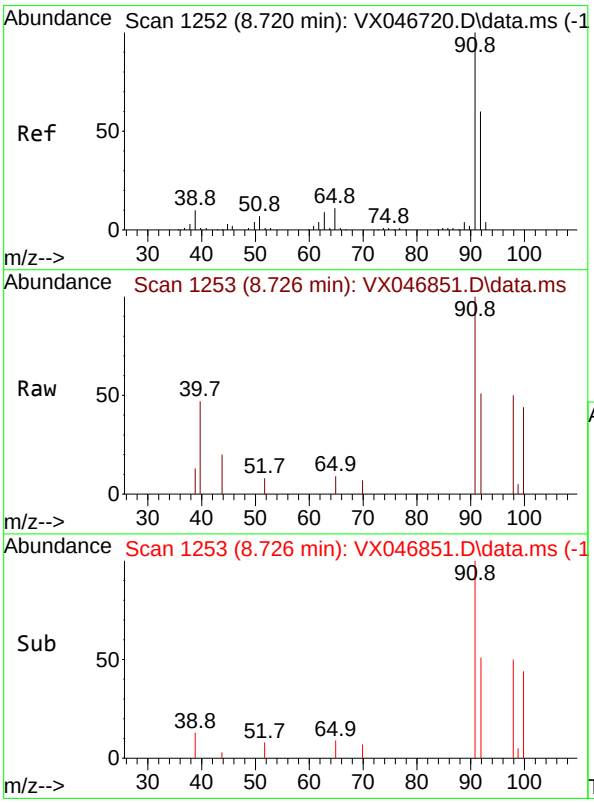

#50
Toluene-d8
Concen: 47.714 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion: 98 Resp: 290393

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

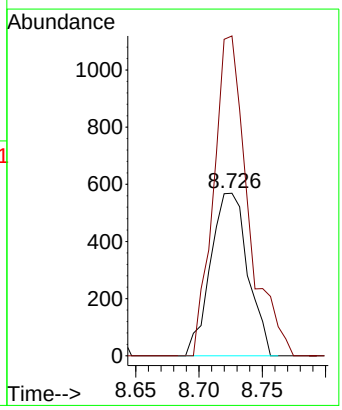


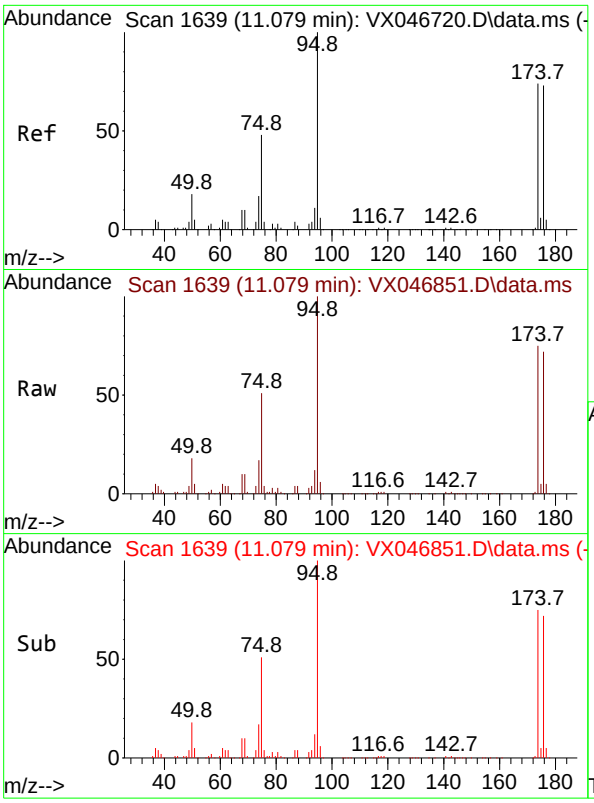




#52
Toluene
Concen: 0.260 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion: 92 Resp: 1166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 92 | 100 | | |
| 91 | 181.3 | 134.8 | 202.2 |



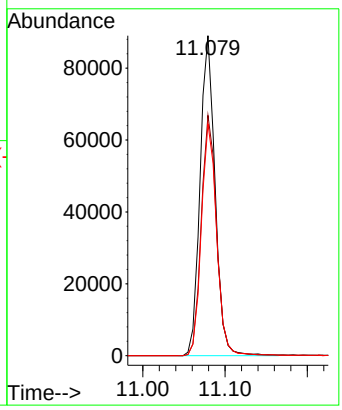


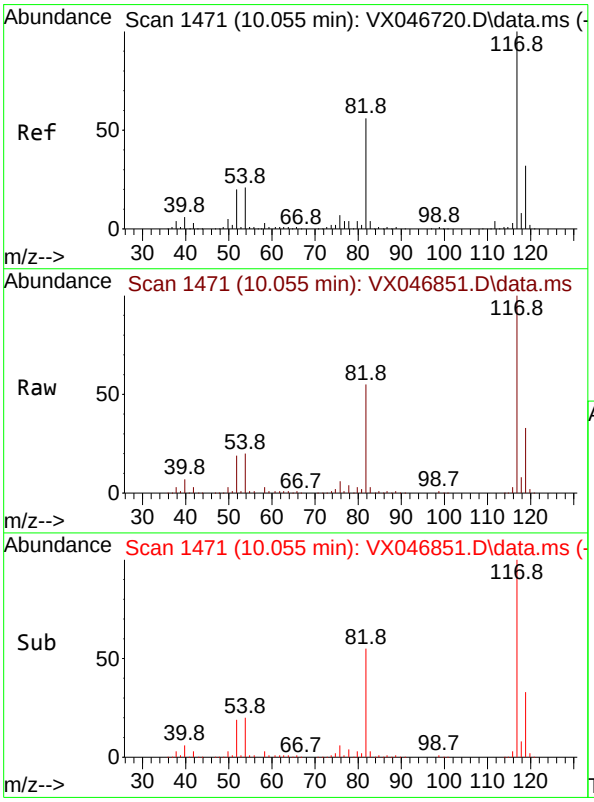

#62
4-Bromofluorobenzene
Concen: 49.786 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion: 95 Resp: 112948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.5 | 0.0 | 150.4 |
| 176 | 73.8 | 0.0 | 145.0 |

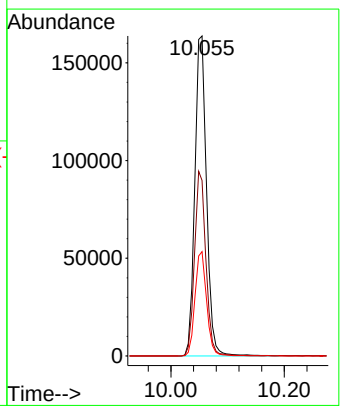


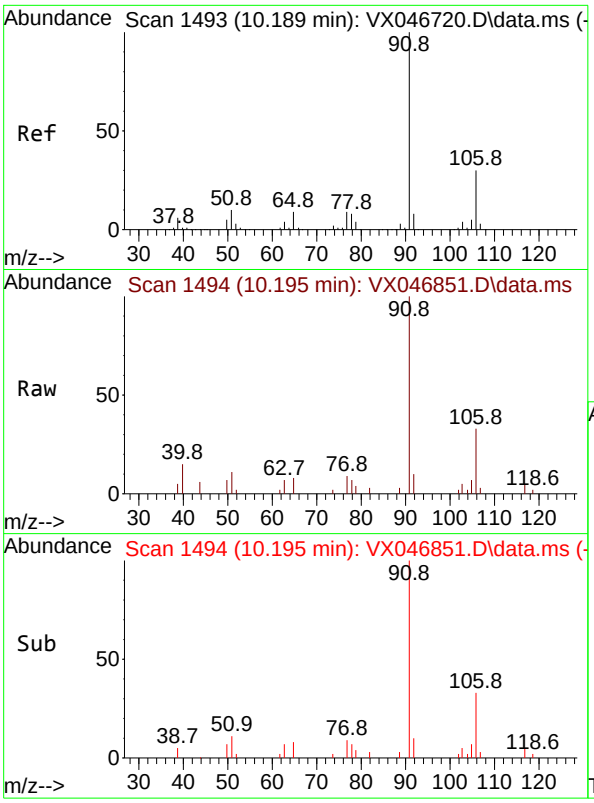




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:117 Resp: 234680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 54.9 | 44.6 | 66.8 |
| 119 | 32.6 | 25.8 | 38.8 |



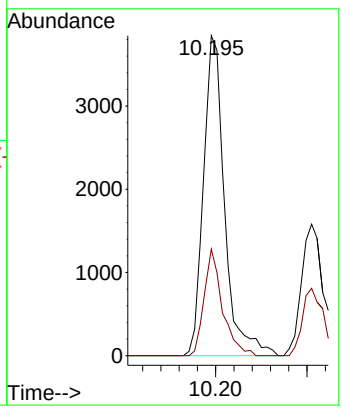


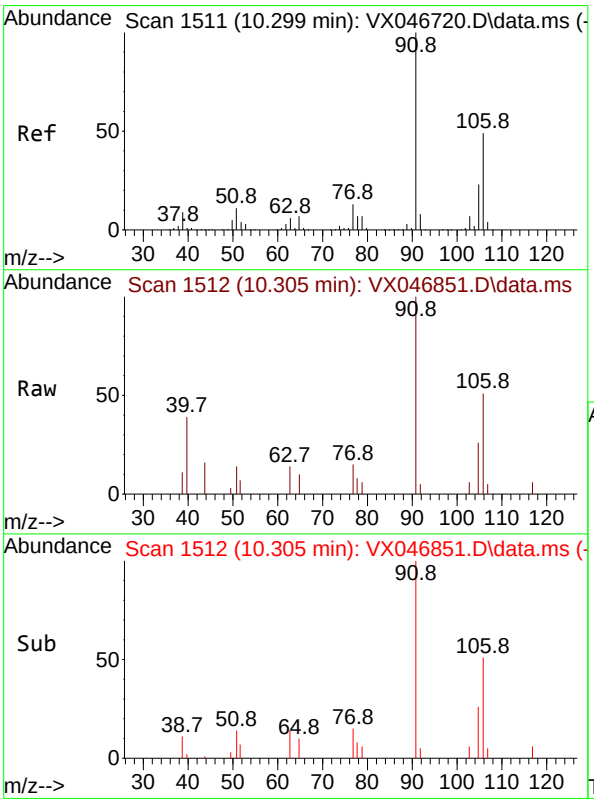

#67
Ethyl Benzene
Concen: 0.680 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion: 91 Resp: 6157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 33.3 | 24.2 | 36.2 |

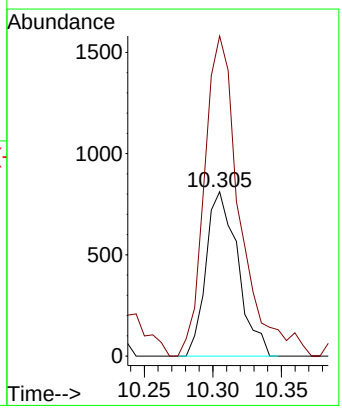


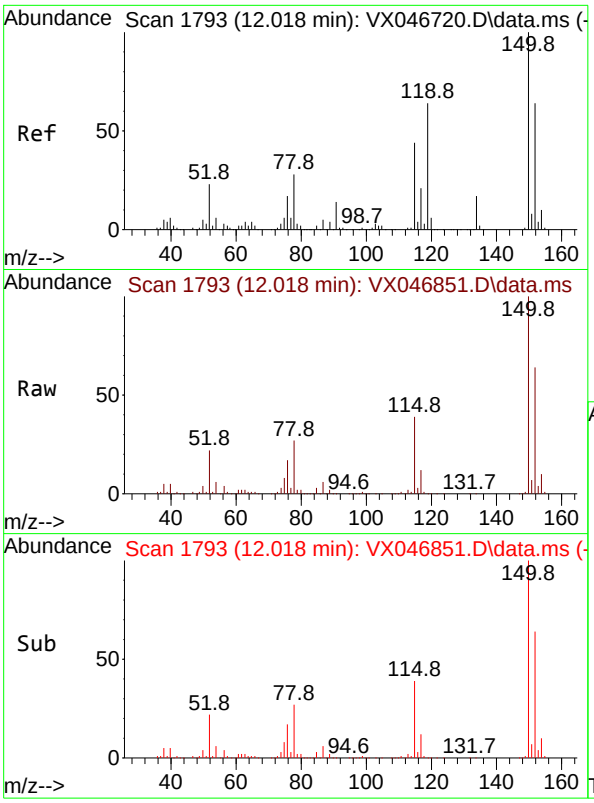




#68
m/p-Xylenes
Concen: 0.390 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:106 Resp: 1314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 216.7 | 164.8 | 247.2 |



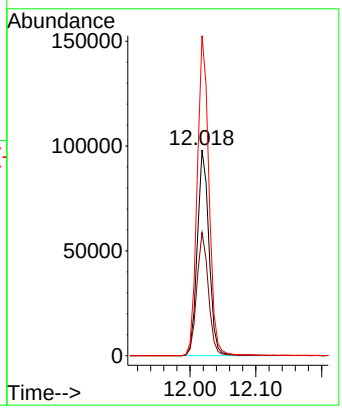


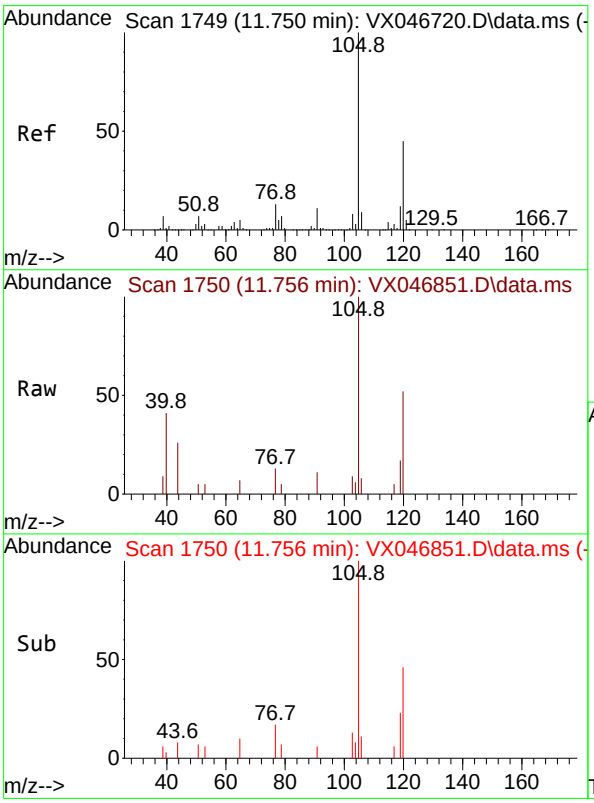

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion:152 Resp: 121306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 59.4 | 43.2 | 129.6 |
| 150 | 156.4 | 0.0 | 346.8 |

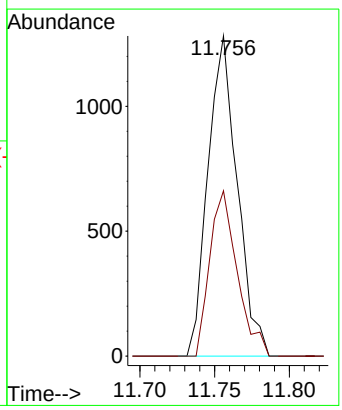


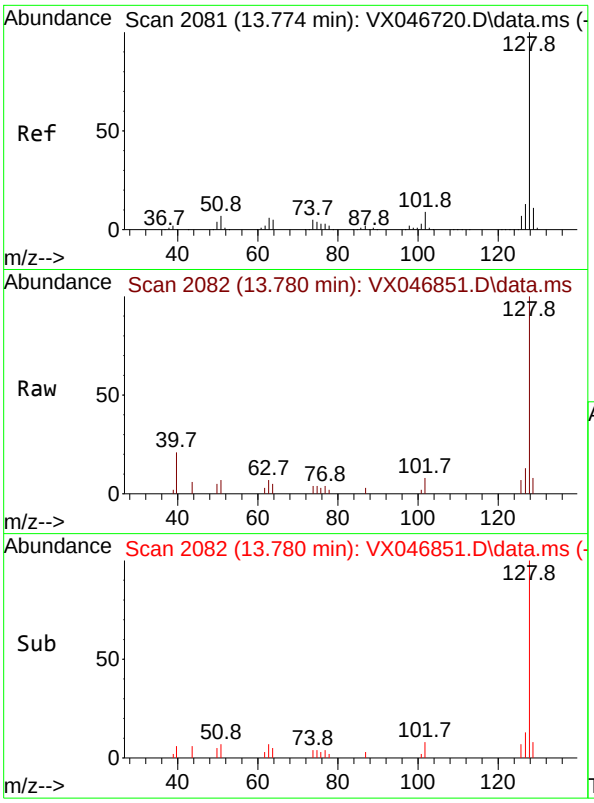




#84
1,2,4-Trimethylbenzene
Concen: 0.236 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

Tgt Ion:105 Resp: 1744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 48.5 | 22.1 | 66.3 |



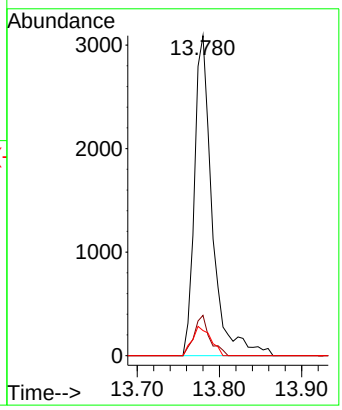



#95
Naphthalene
Concen: 0.585 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX046851.D
Acq: 01 Jul 2025 11:54

**Instrument :**
MSVOA_X
**ClientSampleId :**
TW-WTS-11

Tgt Ion:128 Resp: 4639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 127 | 11.1 | 10.1 | 15.1 |
| 129 | 9.4 | 8.7 | 13.1 |



# 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: ENTA05

Lab Code: ACE SDG No.: Q2463

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

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

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

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

| COMPOUND | RRF005 | RRF020 | RRF050 | RRF100 | RRF150 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Methyl tert-butyl Ether | 1.628 | 1.803 | 1.752 | 1.898 | 1.808 | 1.427 | 1.720 | 9.8 |
| Carbon Tetrachloride | 0.509 | 0.537 | 0.515 | 0.548 | 0.531 | 0.470 | 0.518 | 5.4 |
| Chloroform | 1.102 | 1.190 | 1.114 | 1.181 | 1.109 | 0.857 | 1.092 | 11.1 |
| 1,1,1-Trichloroethane | 0.931 | 1.012 | 0.956 | 1.046 | 0.990 | 0.812 | 0.958 | 8.6 |
| Benzene | 1.431 | 1.477 | 1.417 | 1.509 | 1.427 | 1.218 | 1.413 | 7.2 |
| Toluene | 0.884 | 0.927 | 0.888 | 0.927 | 0.881 | 0.750 | 0.876 | 7.4 |
| Tetrachloroethene | 0.345 | 0.353 | 0.340 | 0.360 | 0.339 | 0.341 | 0.346 | 2.4 |
| Ethyl Benzene | 1.905 | 2.030 | 1.933 | 2.062 | 1.945 | 1.696 | 1.929 | 6.7 |
| m/p-Xylenes | 0.705 | 0.764 | 0.724 | 0.765 | 0.718 | 0.635 | 0.719 | 6.7 |
| o-Xylene | 0.686 | 0.729 | 0.692 | 0.739 | 0.698 | 0.498 | 0.673 | 13.1 |
| 1,2-Dichloroethane-d4 | 0.801 | 0.567 | 0.649 | 0.726 | 0.714 | | 0.692 | 12.7 |
| Dibromofluoromethane | 0.362 | 0.267 | 0.320 | 0.354 | 0.351 | | 0.331 | 11.9 |
| Toluene-d8 | 1.342 | 0.973 | 1.144 | 1.250 | 1.234 | | 1.189 | 11.7 |
| 4-Bromofluorobenzene | 0.513 | 0.354 | 0.426 | 0.466 | 0.456 | | 0.443 | 13.3 |

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

# Response Factor Report MSVOA_X2

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

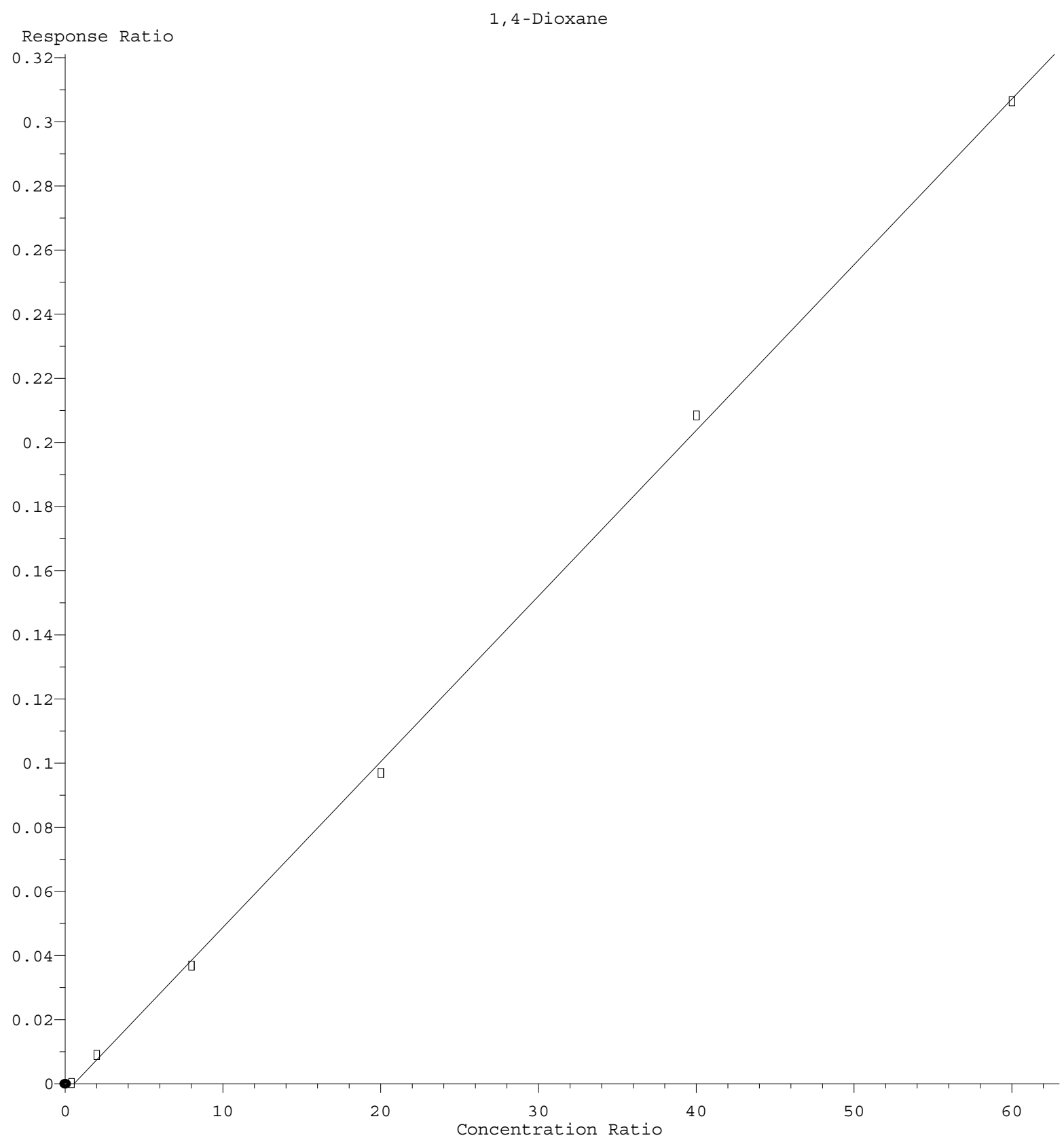
Calibration Files
1 =VX046725.D 5 =VX046718.D 20 =VX046719.D 50 =VX046720.D 100 =VX046721.D 150 =VX046722.D

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

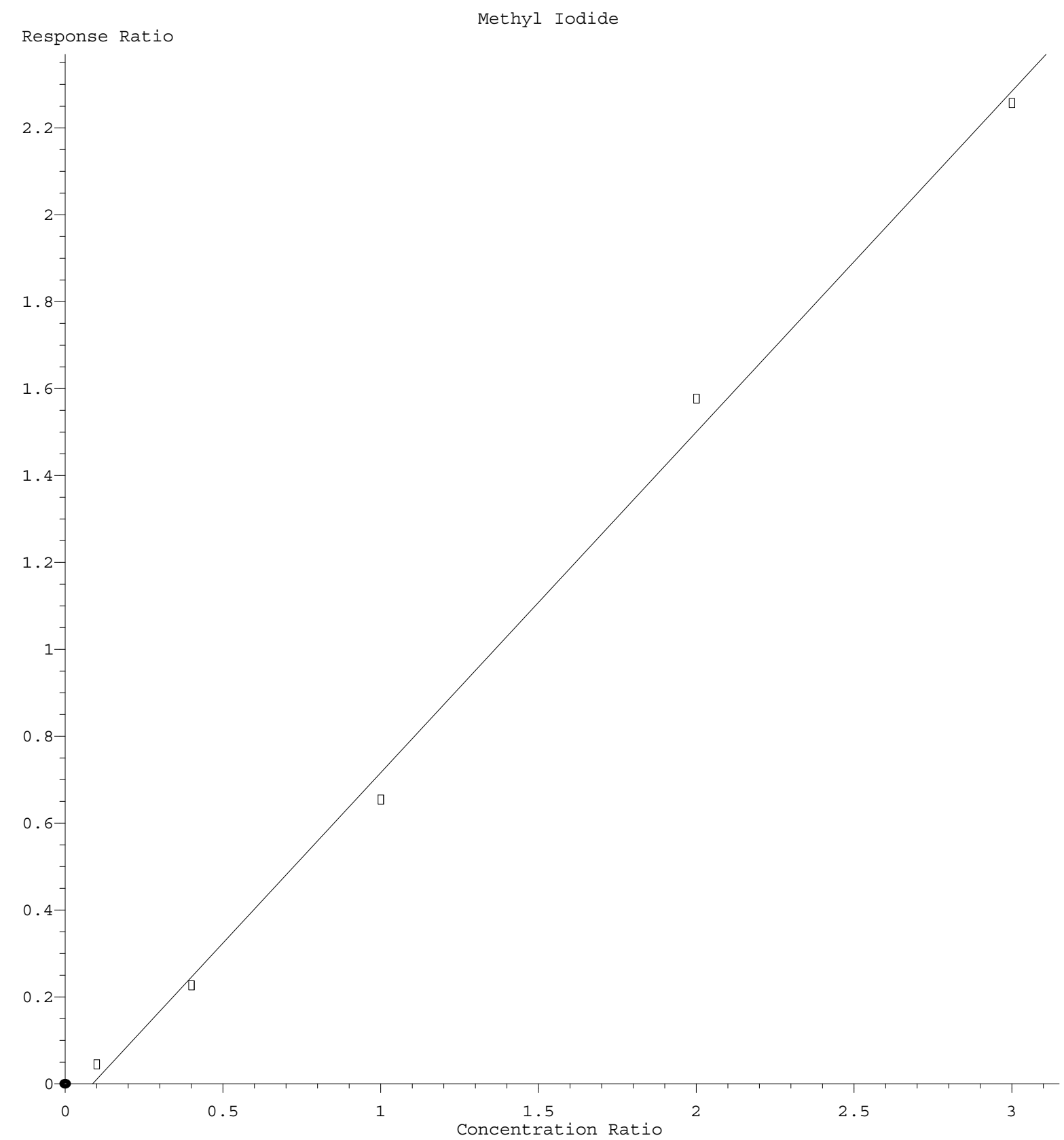
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X061725W.M

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

(#) = Out of Range




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




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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

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

ICAL Form

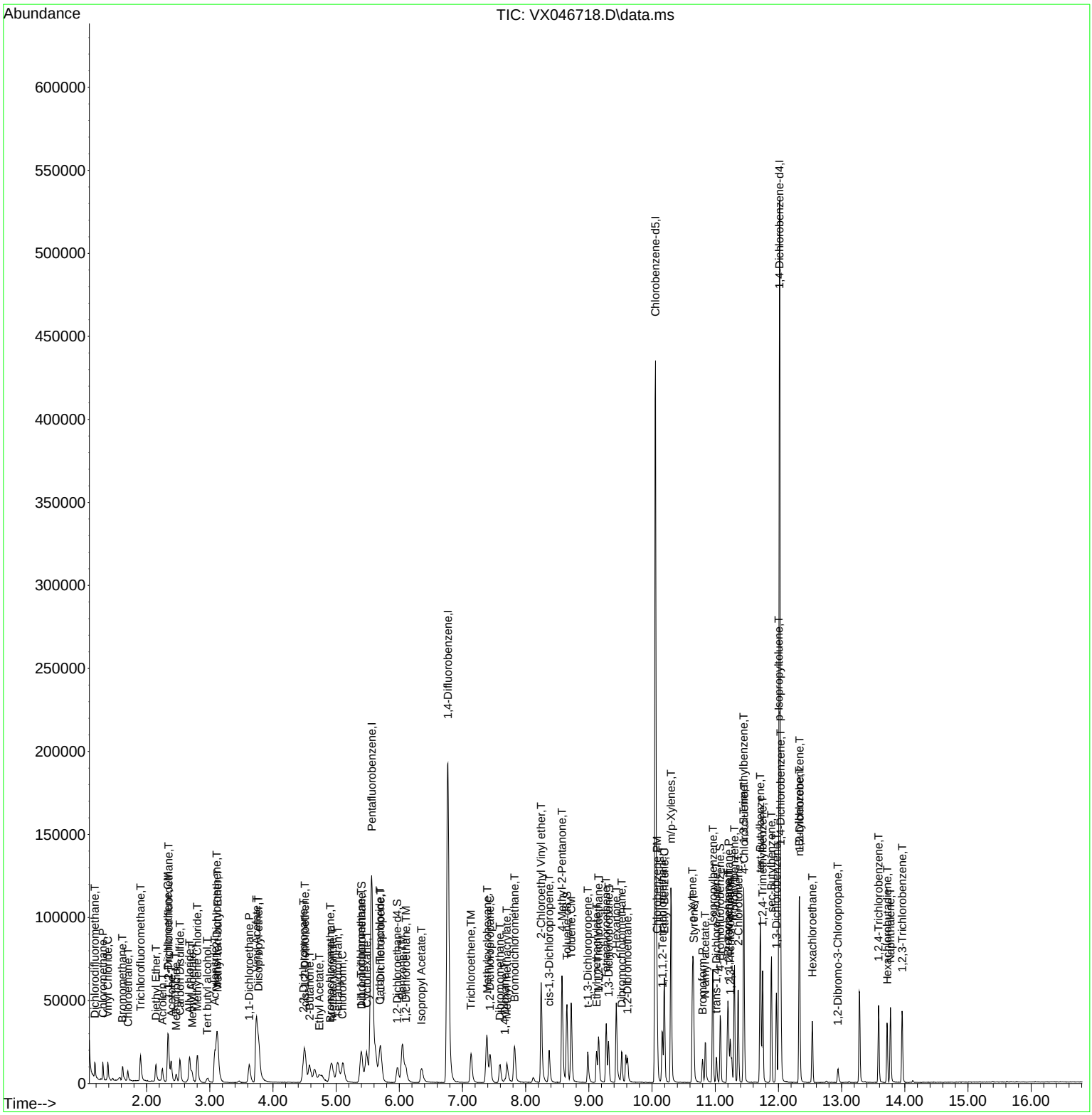
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046718.D
Acq On : 17 Jun 2025 11:19
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

Quantitation Report (QT Reviewed)

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

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

ICAL Form

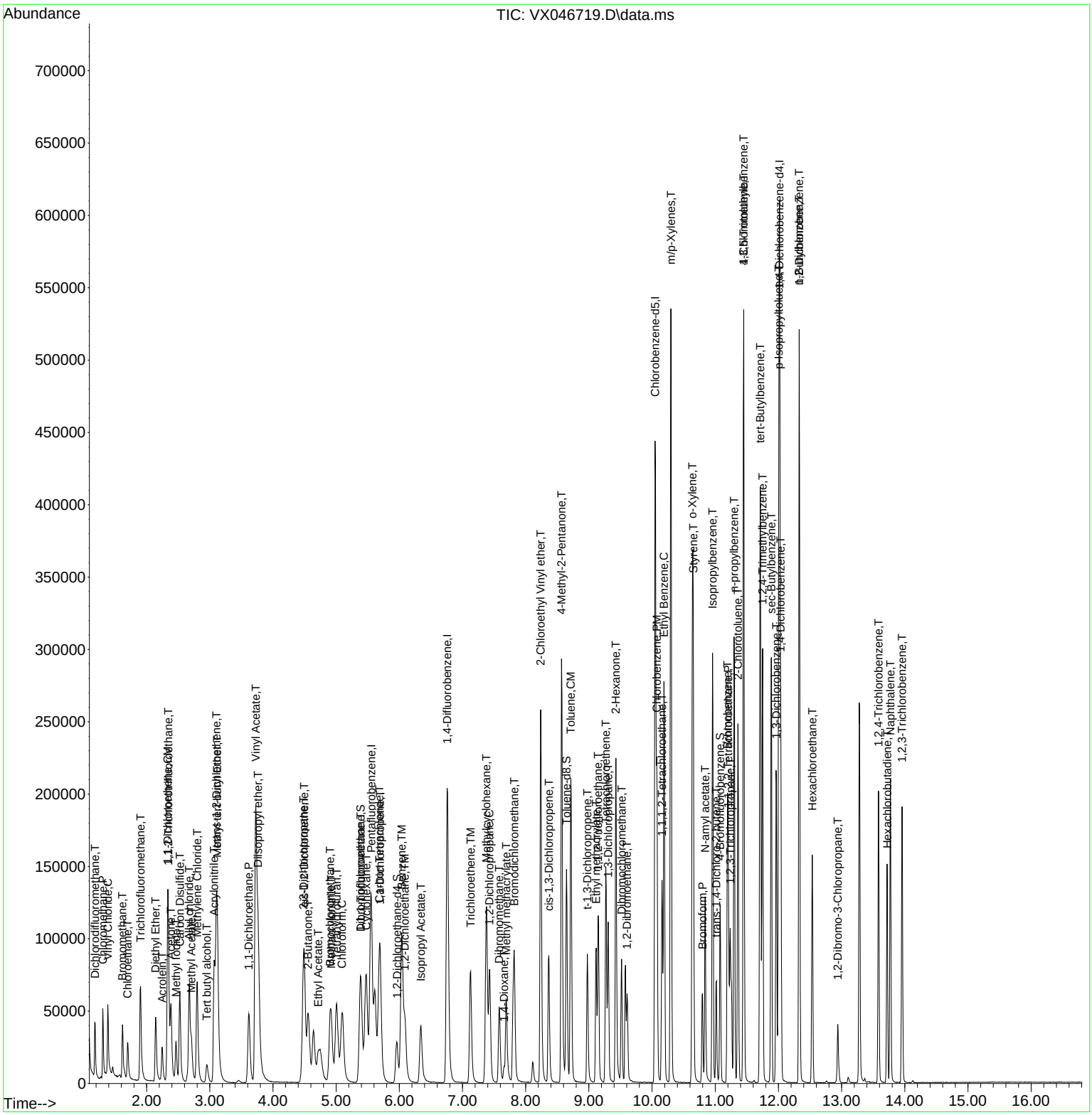
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046719.D
Acq On : 17 Jun 2025 13:59
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

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

ICAL Form

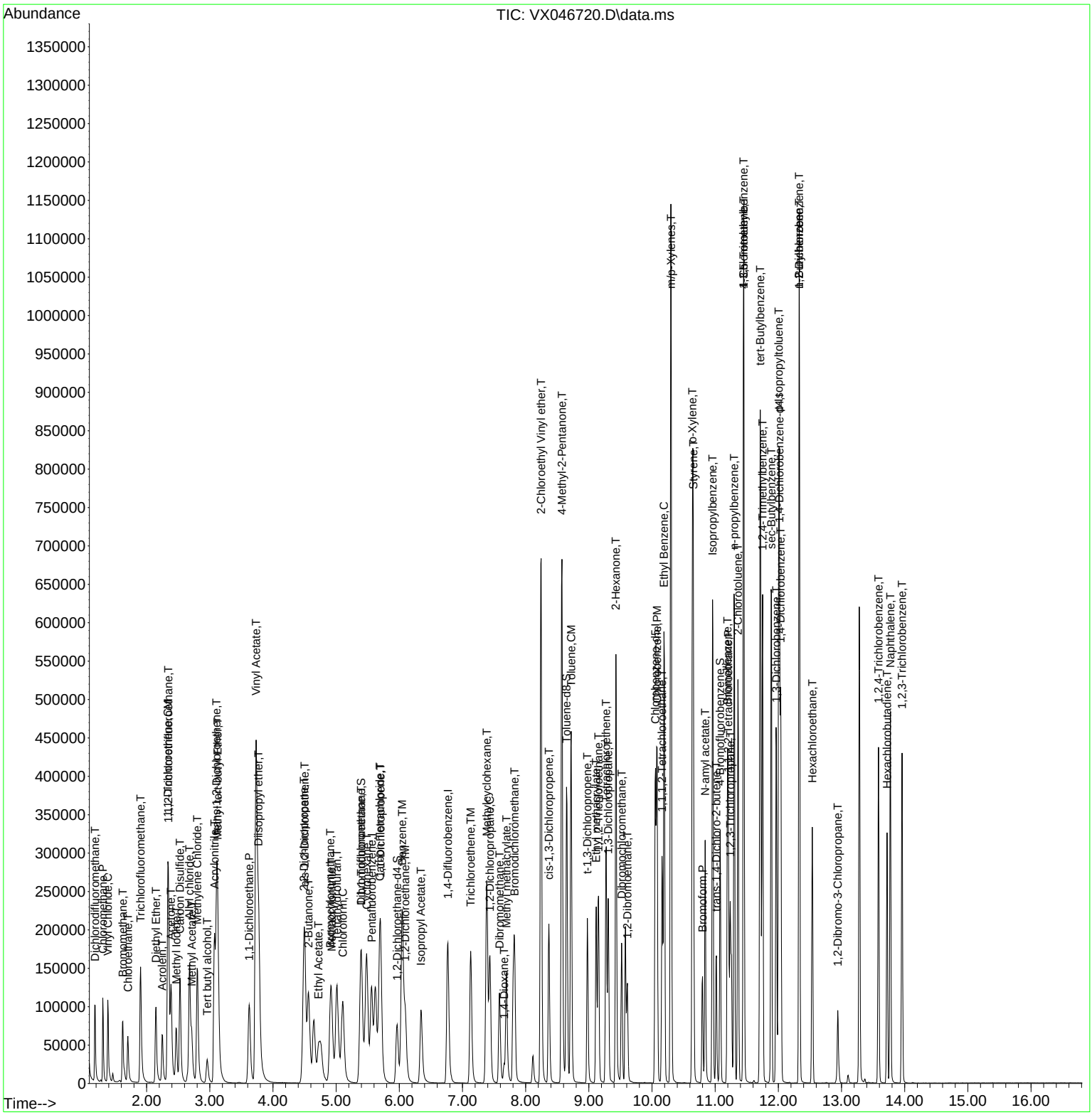
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046720.D
Acq On : 17 Jun 2025 14:20
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

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

ICAL Form

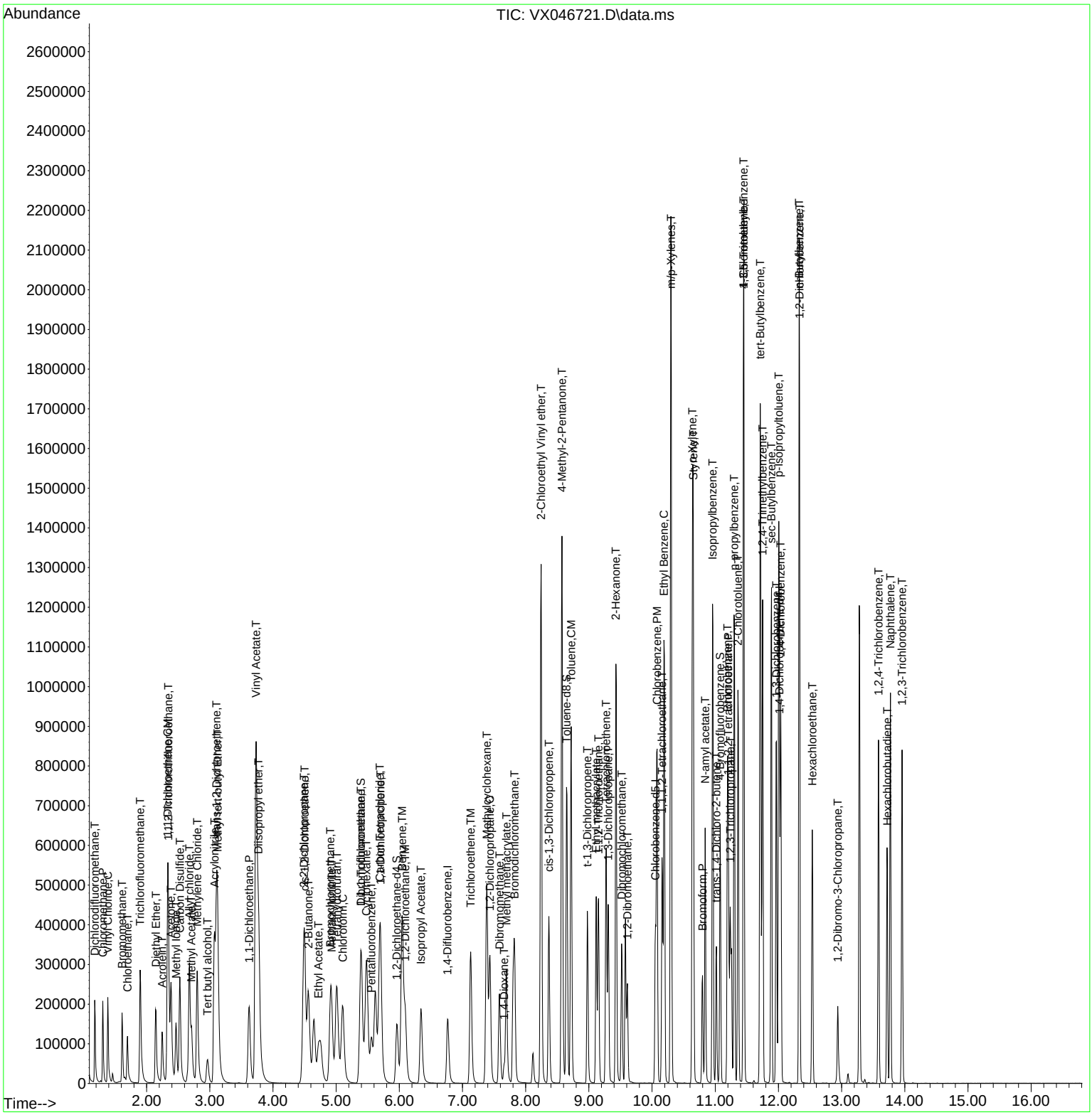
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046721.D
Acq On : 17 Jun 2025 14:41
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

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

ICAL Form

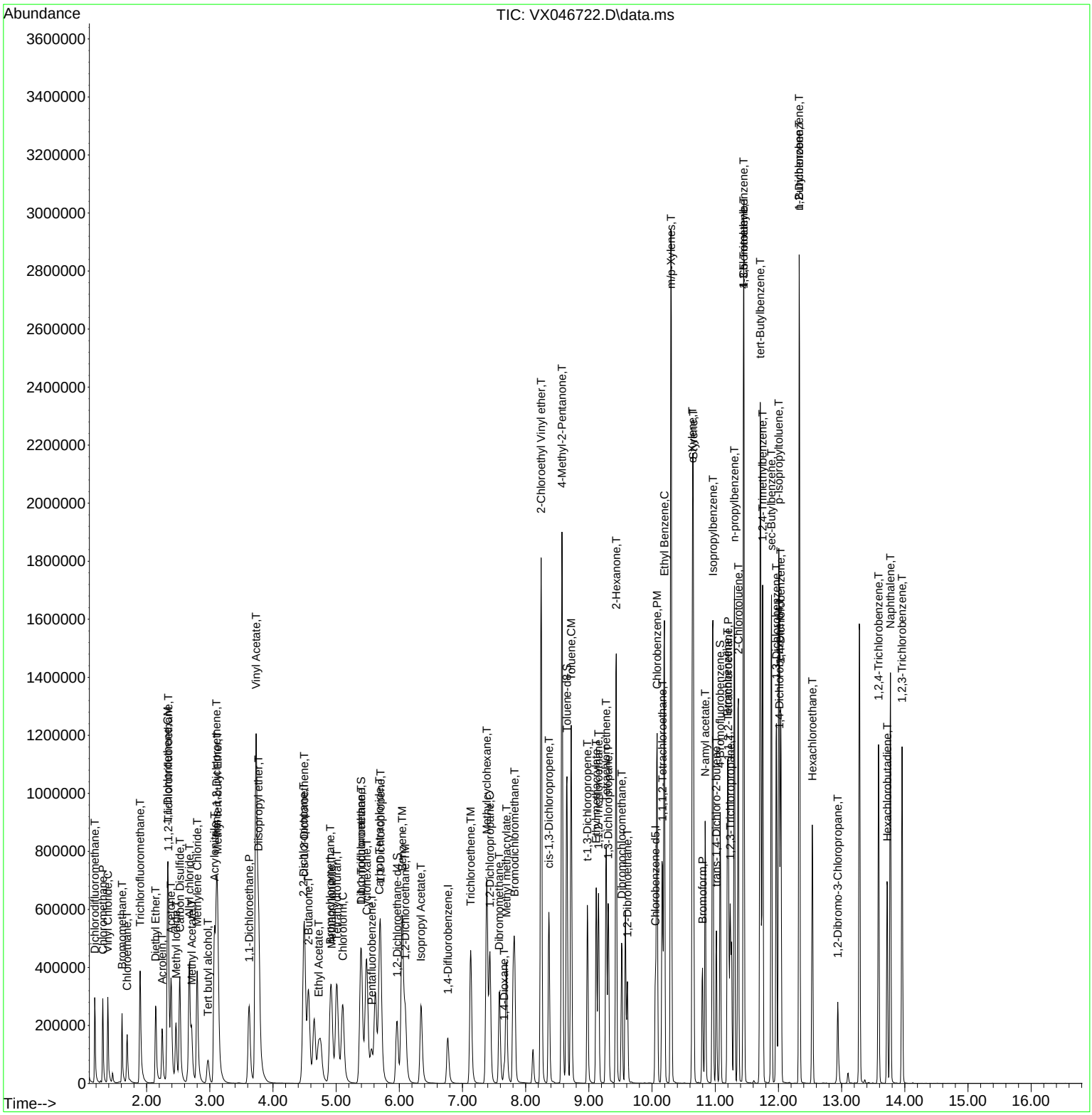
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046722.D
Acq On : 17 Jun 2025 15:02
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

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

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

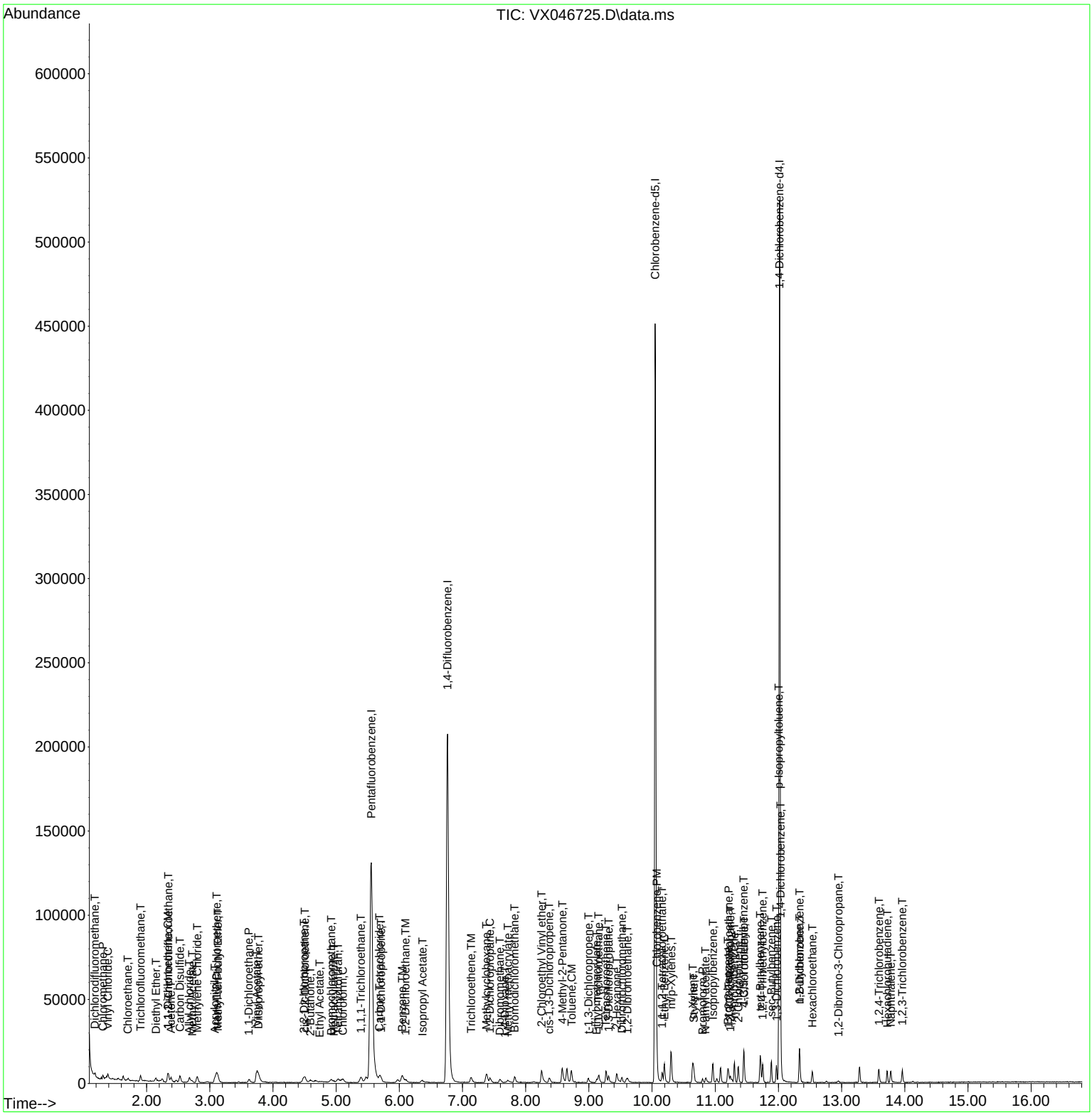
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046725.D
Acq On : 17 Jun 2025 17:18
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



Quantitation Report (QT Reviewed)

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

ICAL Form

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025

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

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

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

ICAL Form

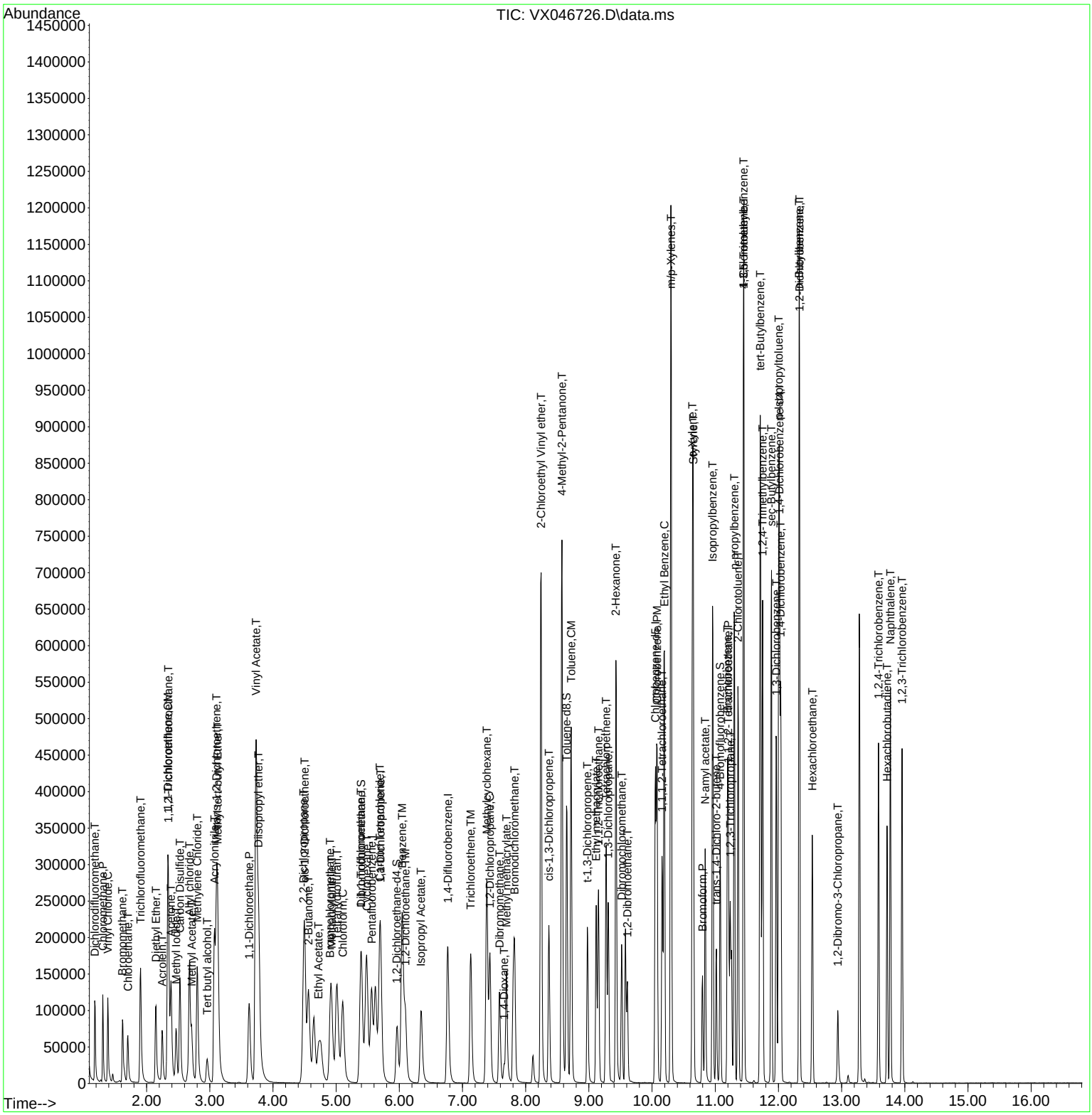
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046726.D
Acq On : 17 Jun 2025 18:00
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

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

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

**Manual Integrations APPROVED**

Reviewed By :Semsettin Yesilyurt 06/18/2025
Supervised By :Mahesh Dadoda 06/18/2025



# Evaluate Continuing Calibration Report

ICAL Form

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

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

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

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

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

ICAL Form

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

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

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

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.004 | 0.005 | -25.0 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.130 | 5.0 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.449 | -9.2 | 108 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.898 | -2.5# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.503 | -5.5 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.561 | -3.7 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.338 | -3.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.523 | -8.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.581 | -3.4 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.280 | -12.0 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.312 | -9.9 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.392 | -1.8 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.347 | -4.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.423 | 4.5 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.341 | 1.4 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.104 | 0.0 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.377 | -1.6 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.947 | -0.9# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.739 | -2.8 | 105 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.709 | -5.3 | 106 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.229 | -4.2 | 105 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.290 | -2.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.762 | -2.2 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.510 | -8.2 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 1.076 | -4.7 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.884 | 3.5 | 92 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.897 | -1.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.482 | -2.5 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.608 | 0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 3.132 | -3.5 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.325 | -0.3 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 3.053 | -0.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.125 | 0.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 3.113 | -2.4 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 4.039 | -2.2 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.388 | -1.6 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.676 | 3.0 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.665 | 6.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 3.220 | -1.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.574 | 1.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.604 | 0.7 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.216 | -6.4 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.133 | 1.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.500 | -3.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 3.431 | -4.9 | 106 | 0.00 |

Evaluate Continuing Calibration Report

ICAL Form

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

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

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

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.098 | 1.125 | -2.5 | 107 | 0.00 |

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

Evaluate Continuing Calibration Report

ICAL Form

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

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

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

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

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

ICAL Form

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

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

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

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 964.253 | 3.6 | 103 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 47.537 | 4.9 | 101 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 272.916 | -9.2 | 108 | 0.00 |
| 52 | CM | Toluene | 50.000 | 51.237 | -2.5# | 104 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 52.785 | -5.6 | 106 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 51.813 | -3.6 | 105 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 51.698 | -3.4 | 106 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 54.266 | -8.5 | 106 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 51.625 | -3.3 | 106 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 279.922 | -12.0 | 102 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 273.982 | -9.6 | 108 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 50.997 | -2.0 | 104 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 52.268 | -4.5 | 106 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 47.712 | 4.6 | 102 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 49.172 | 1.7 | 103 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 50.006 | -0.0 | 104 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 50.856 | -1.7 | 104 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 50.487 | -1.0# | 104 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 102.789 | -2.8 | 105 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 52.635 | -5.3 | 106 | 0.00 |
| 70 | T | Styrene | 50.000 | 52.139 | -4.3 | 105 | 0.00 |
| 71 | P | Bromoform | 50.000 | 51.404 | -2.8 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 103 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 51.083 | -2.2 | 104 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 54.107 | -8.2 | 106 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 52.310 | -4.6 | 107 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 48.286 | 3.4 | 92 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 50.611 | -1.2 | 104 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 51.240 | -2.5 | 105 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 49.931 | 0.1 | 104 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 51.746 | -3.5 | 105 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 50.210 | -0.4 | 108 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 50.085 | -0.2 | 104 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 49.958 | 0.1 | 103 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 51.193 | -2.4 | 105 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 51.079 | -2.2 | 104 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 50.791 | -1.6 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 48.501 | 3.0 | 103 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 46.906 | 6.2 | 104 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 50.829 | -1.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 49.161 | 1.7 | 102 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 49.672 | 0.7 | 104 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 53.151 | -6.3 | 106 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 49.369 | 1.3 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 51.729 | -3.5 | 108 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 52.462 | -4.9 | 106 | 0.00 |

ICAL Form

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

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

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

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.200 | -2.4 | 107 | 0.00 |

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

Raw Data: **VX046844.D**

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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ENTA05
Lab Code: ACE
SDG No.: Q2463
Instrument ID: MSVOA_X
Calibration Date/Time: 07/01/2025 08:53
Lab File ID: VX046844.D
Init. Calib. Date(s): 06/17/2025 06/17/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 11:19 17:18
GC Column: DB-624UI ID: 0.18 (mm)

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Methyl tert-butyl Ether | 1.720 | 1.506 | | -12.44 | 20 |
| Carbon Tetrachloride | 0.518 | 0.486 | | -6.18 | 20 |
| Chloroform | 1.092 | 1.038 | | -4.95 | 20 |
| 1,1,1-Trichloroethane | 0.958 | 0.875 | | -8.66 | 20 |
| Benzene | 1.413 | 1.367 | | -3.26 | 20 |
| Toluene | 0.876 | 0.844 | | -3.65 | 20 |
| Tetrachloroethene | 0.346 | 0.328 | | -5.2 | 20 |
| Ethyl Benzene | 1.929 | 1.860 | | -3.58 | 20 |
| m/p-Xylenes | 0.719 | 0.699 | | -2.78 | 20 |
| o-Xylene | 0.673 | 0.666 | | -1.04 | 20 |
| 1,2-Dichloroethane-d4 | 0.692 | 0.699 | | 1.01 | 20 |
| Dibromofluoromethane | 0.331 | 0.380 | | 14.8 | 20 |
| Toluene-d8 | 1.189 | 1.305 | | 9.76 | 20 |
| 4-Bromofluorobenzene | 0.443 | 0.489 | | 10.38 | 20 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 147192 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 233068 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 203219 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 99291 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 102853 | 50.519 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 101.040% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 88548 | 57.422 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 114.840% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 304112 | 54.891 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 109.780% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 113978 | 55.190 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 110.380% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 76028 | 48.380 | ug/l | 98 |
| 3) Chloromethane | 1.307 | 50 | 79515 | 46.879 | ug/l | 97 |
| 4) Vinyl Chloride | 1.386 | 62 | 87046 | 48.124 | ug/l | 96 |
| 5) Bromomethane | 1.624 | 94 | 55947 | 54.977 | ug/l | 94 |
| 6) Chloroethane | 1.703 | 64 | 54382 | 49.606 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 133219 | 48.506 | ug/l | 99 |
| 8) Diethyl Ether | 2.142 | 74 | 45242 | 48.000 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 83661 | 49.654 | ug/l | 98 |
| 10) Methyl Iodide | 2.465 | 142 | 88832 | 42.802 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.953 | 59 | 29491 | 161.387 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 2.331 | 96 | 79820 | 49.096 | ug/l | 96 |
| 13) Acrolein | 2.245 | 56 | 57281 | 215.206 | ug/l | 98 |
| 14) Allyl chloride | 2.678 | 41 | 140691 | 47.761 | ug/l | 98 |
| 15) Acrylonitrile | 3.068 | 53 | 171501 | 208.718 | ug/l | 98 |
| 16) Acetone | 2.380 | 43 | 160717 | 236.720 | ug/l | 100 |
| 17) Carbon Disulfide | 2.526 | 76 | 210892 | 42.955 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 75964 | 44.053 | ug/l | 100 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 221706 | 43.795 | ug/l | 98 |
| 20) Methylene Chloride | 2.800 | 84 | 88986 | 47.130 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 81265 | 46.714 | ug/l | 98 |
| 22) Diisopropyl ether | 3.763 | 45 | 276221 | 48.785 | ug/l | 95 |
| 23) Vinyl Acetate | 3.727 | 43 | 1025725 | 227.815 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 153162 | 47.644 | ug/l | 98 |
| 25) 2-Butanone | 4.556 | 43 | 192307 | 200.276 | ug/l | 100 |
| 26) 2,2-Dichloropropane | 4.483 | 77 | 113415 | 48.372 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.495 | 96 | 97159 | 47.538 | ug/l | 99 |
| 28) Bromochloromethane | 4.903 | 49 | 78857 | 54.107 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.001 | 42 | 120800 | 194.772 | ug/l | 99 |
| 30) Chloroform | 5.092 | 83 | 152835 | 47.540 | ug/l | 99 |
| 31) Cyclohexane | 5.477 | 56 | 135915 | 44.583 | ug/l | 97 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 128801 | 45.681 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.696 | 75 | 105506 | 47.397 | ug/l | 98 |
| 37) Ethyl Acetate | 4.714 | 43 | 85004 | 41.370 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 113228 | 46.870 | ug/l | 97 |
| 39) Methylcyclohexane | 7.379 | 83 | 134423 | 45.890 | ug/l | 99 |
| 40) Benzene | 6.037 | 78 | 318544 | 48.353 | ug/l | 100 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.922 | 41 | 49431 | 45.126 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 107203 | 46.308 | ug/l | | 99 |
| 43) Isopropyl Acetate | 6.336 | 43 | 135107 | 42.021 | ug/l | | 98 |
| 44) Trichloroethene | 7.123 | 130 | 80910 | 48.192 | ug/l | | 99 |
| 45) 1,2-Dichloropropane | 7.427 | 63 | 79517 | 48.703 | ug/l | | 96 |
| 46) Dibromomethane | 7.580 | 93 | 55387 | 47.203 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 118256 | 49.386 | ug/l | | 98 |
| 48) Methyl methacrylate | 7.690 | 41 | 71440 | 44.303 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.653 | 88 | 16655 | 718.178 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.567 | 43 | 392981 | 204.929 | ug/l | | 100 |
| 52) Toluene | 8.714 | 92 | 196675 | 48.157 | ug/l | | 99 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 107158 | 48.232 | ug/l | | 99 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 124290 | 49.280 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 71963 | 47.283 | ug/l | | 99 |
| 56) Ethyl methacrylate | 9.110 | 69 | 100953 | 44.934 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 122836 | 46.867 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 330687 | 283.350 | ug/l | | 100 |
| 59) 2-Hexanone | 9.427 | 43 | 268651 | 202.642 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.518 | 129 | 86156 | 48.035 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.604 | 107 | 71933 | 46.465 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 66742 | 47.404 | ug/l | | 96 |
| 65) Chlorobenzene | 10.073 | 112 | 215552 | 48.051 | ug/l | | 100 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 75076 | 49.796 | ug/l | | 99 |
| 67) Ethyl Benzene | 10.189 | 91 | 378063 | 48.234 | ug/l | | 100 |
| 68) m/p-Xylenes | 10.299 | 106 | 284065 | 97.264 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 135294 | 49.430 | ug/l | | 97 |
| 70) Styrene | 10.652 | 104 | 236143 | 49.300 | ug/l | | 99 |
| 71) Bromoform | 10.793 | 173 | 53660 | 46.735 | ug/l | # | 100 |
| 73) Isopropylbenzene | 10.957 | 105 | 357520 | 48.890 | ug/l | | 99 |
| 74) N-amyl acetate | 10.841 | 43 | 120243 | 43.399 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 92510 | 45.306 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 75526m | 41.531 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 86876 | 49.368 | ug/l | | 99 |
| 78) n-propylbenzene | 11.299 | 91 | 427926 | 49.267 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 248376 | 47.894 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 292581 | 48.688 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.012 | 75 | 28348 | 44.062 | ug/l | # | 94 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 292532 | 48.334 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 299986 | 48.293 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 294342 | 48.751 | ug/l | | 100 |
| 85) sec-Butylbenzene | 11.884 | 105 | 376138 | 47.912 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 311570 | 47.038 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 160760 | 46.853 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 160966 | 45.673 | ug/l | | 100 |
| 89) n-Butylbenzene | 12.329 | 91 | 293475 | 46.664 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 54354 | 46.860 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 152655 | 47.609 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 15871 | 39.371 | ug/l | | 97 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 104676 | 45.919 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 40681 | 42.423 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 280938 | 43.258 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 98081 | 44.974 | ug/l | | 99 |

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

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

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

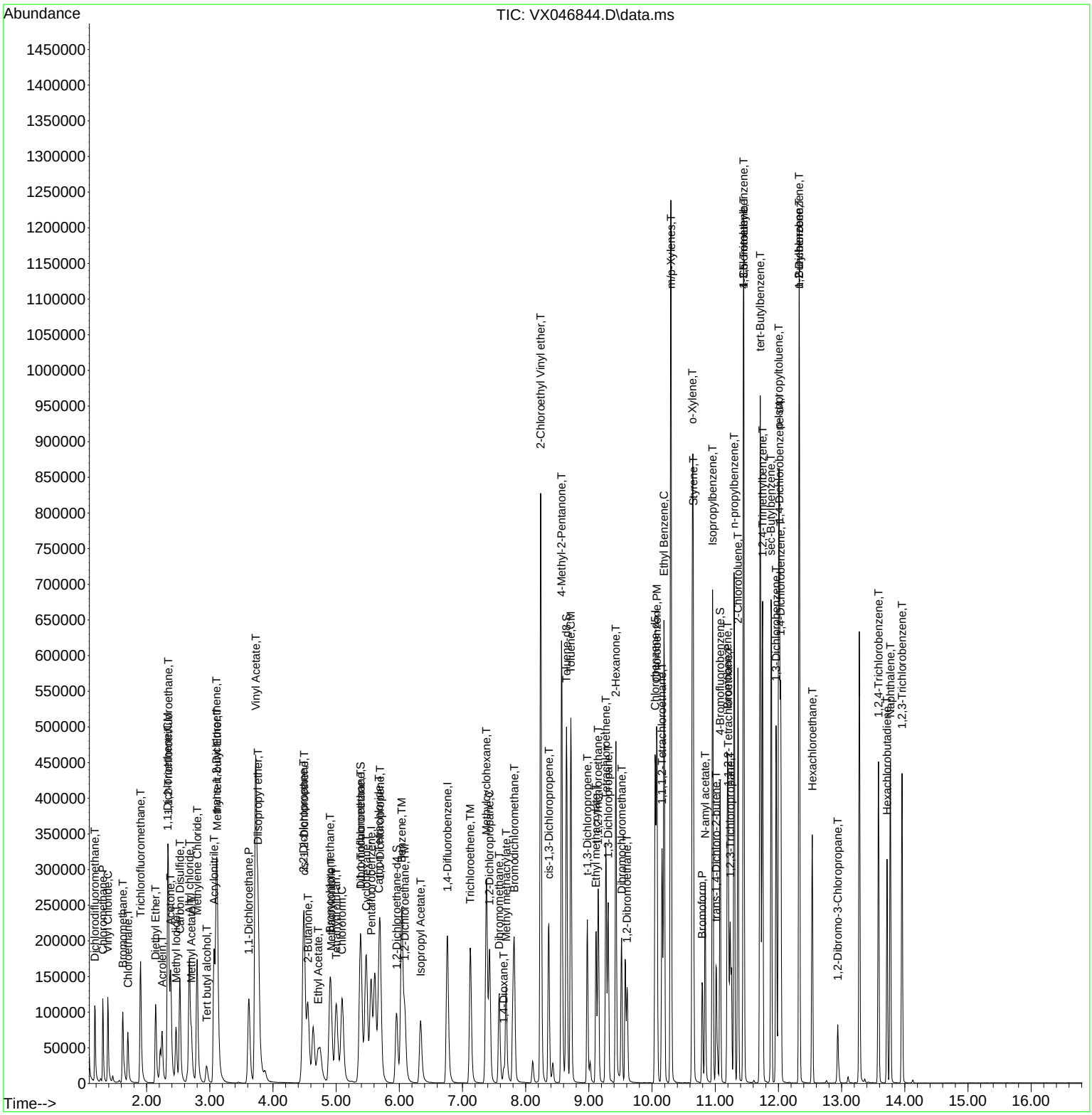
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Evaluate Continuing Calibration Report

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 0.534 | 0.517 | 3.2 | 106 | 0.00 |
| 3 | P | Chloromethane | 0.576 | 0.540 | 6.2 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 0.614 | 0.591 | 3.7# | 111 | 0.00 |
| 5 | T | Bromomethane | 0.346 | 0.380 | -9.8 | 123 | 0.00 |
| 6 | T | Chloroethane | 0.372 | 0.369 | 0.8 | 117 | 0.00 |
| 7 | T | Trichlorofluoromethane | 0.933 | 0.905 | 3.0 | 112 | 0.00 |
| 8 | T | Diethyl Ether | 0.320 | 0.307 | 4.1 | 114 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 0.572 | 0.568 | 0.7 | 118 | 0.00 |
| 10 | T | Methyl Iodide | 0.642 | 0.604 | 5.9 | 110 | 0.00 |
| 11 | T | Tert butyl alcohol | 0.062 | 0.040 | 35.5# | 77 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 0.552 | 0.542 | 1.8# | 114 | 0.00 |
| 13 | T | Acrolein | 0.090 | 0.078 | 13.3 | 106 | 0.00 |
| 14 | T | Allyl chloride | 1.001 | 0.956 | 4.5 | 114 | 0.00 |
| 15 | T | Acrylonitrile | 0.279 | 0.233 | 16.5 | 98 | 0.00 |
| 16 | T | Acetone | 0.231 | 0.218 | 5.6 | 118 | 0.00 |
| 17 | T | Carbon Disulfide | 1.668 | 1.433 | 14.1 | 107 | 0.00 |
| 18 | T | Methyl Acetate | 0.586 | 0.516 | 11.9 | 106 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 1.720 | 1.506 | 12.4 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 0.641 | 0.605 | 5.6 | 118 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 0.591 | 0.552 | 6.6 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 1.923 | 1.877 | 2.4 | 114 | 0.00 |
| 23 | T | Vinyl Acetate | 1.529 | 1.394 | 8.8 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 1.092 | 1.041 | 4.7 | 114 | 0.00 |
| 25 | T | 2-Butanone | 0.326 | 0.261 | 19.9 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 0.796 | 0.771 | 3.1 | 121 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 0.694 | 0.660 | 4.9 | 115 | 0.00 |
| 28 | T | Bromochloromethane | 0.495 | 0.536 | -8.3 | 132 | 0.00 |
| 29 | T | Tetrahydrofuran | 0.211 | 0.164 | 22.3 | 90 | -0.01 |
| 30 | C | Chloroform | 1.092 | 1.038 | 4.9# | 111 | -0.01 |
| 31 | T | Cyclohexane | 1.036 | 0.923 | 10.9 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 0.958 | 0.875 | 8.7 | 109 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 0.692 | 0.699 | -1.0 | 128 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 1.000 | 1.000 | 0.0 | 114 | 0.00 |
| 35 | S | Dibromofluoromethane | 0.331 | 0.380 | -14.8 | 135 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 0.478 | 0.453 | 5.2 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 0.441 | 0.365 | 17.2 | 97 | 0.00 |
| 38 | T | Carbon Tetrachloride | 0.518 | 0.486 | 6.2 | 108 | -0.01 |
| 39 | T | Methylcyclohexane | 0.628 | 0.577 | 8.1 | 105 | 0.00 |
| 40 | TM | Benzene | 1.413 | 1.367 | 3.3 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 0.235 | 0.212 | 9.8 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 0.497 | 0.460 | 7.4 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 0.690 | 0.580 | 15.9 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 0.360 | 0.347 | 3.6 | 111 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 0.350 | 0.341 | 2.6# | 112 | 0.00 |
| 46 | T | Dibromomethane | 0.252 | 0.238 | 5.6 | 108 | 0.00 |
| 47 | T | Bromodichloromethane | 0.514 | 0.507 | 1.4 | 111 | 0.00 |
| 48 | T | Methyl methacrylate | 0.346 | 0.307 | 11.3 | 94 | 0.00 |

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 0.004 | 0.004 | 0.0 | 84 | 0.00 |
| 50 | S | Toluene-d8 | 1.189 | 1.305 | -9.8 | 130 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 0.411 | 0.337 | 18.0 | 90 | 0.00 |
| 52 | CM | Toluene | 0.876 | 0.844 | 3.7# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 0.477 | 0.460 | 3.6 | 107 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 0.541 | 0.533 | 1.5 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 0.327 | 0.309 | 5.5 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 0.482 | 0.433 | 10.2 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 0.562 | 0.527 | 6.2 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 0.250 | 0.284 | -13.6 | 115 | 0.00 |
| 59 | T | 2-Hexanone | 0.284 | 0.231 | 18.7 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 0.385 | 0.370 | 3.9 | 109 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 0.332 | 0.309 | 6.9 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 0.443 | 0.489 | -10.4 | 131 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 64 | T | Tetrachloroethene | 0.346 | 0.328 | 5.2 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 1.104 | 1.061 | 3.9 | 110 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 0.371 | 0.369 | 0.5 | 112 | 0.00 |
| 67 | C | Ethyl Benzene | 1.929 | 1.860 | 3.6# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 0.719 | 0.699 | 2.8 | 109 | 0.00 |
| 69 | T | o-Xylene | 0.673 | 0.666 | 1.0 | 109 | 0.00 |
| 70 | T | Styrene | 1.179 | 1.162 | 1.4 | 109 | 0.00 |
| 71 | P | Bromoform | 0.282 | 0.264 | 6.4 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 112 | 0.00 |
| 73 | T | Isopropylbenzene | 3.682 | 3.601 | 2.2 | 108 | 0.00 |
| 74 | T | N-amyl acetate | 1.395 | 1.211 | 13.2 | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 1.028 | 0.932 | 9.3 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 0.916 | 0.761 | 16.9 | 86 | 0.00 |
| 77 | T | Bromobenzene | 0.886 | 0.875 | 1.2 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 4.374 | 4.310 | 1.5 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 2.611 | 2.501 | 4.2 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 3.026 | 2.947 | 2.6 | 107 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 0.324 | 0.286 | 11.7 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 3.048 | 2.946 | 3.3 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 3.128 | 3.021 | 3.4 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 3.040 | 2.964 | 2.5 | 108 | 0.00 |
| 85 | T | sec-Butylbenzene | 3.953 | 3.788 | 4.2 | 106 | 0.00 |
| 86 | T | p-Isopropyltoluene | 3.336 | 3.138 | 5.9 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 1.728 | 1.619 | 6.3 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 1.775 | 1.621 | 8.7 | 109 | 0.00 |
| 89 | T | n-Butylbenzene | 3.167 | 2.956 | 6.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 0.584 | 0.547 | 6.3 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 1.615 | 1.537 | 4.8 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 0.203 | 0.160 | 21.2 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 1.148 | 1.054 | 8.2 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 0.483 | 0.410 | 15.1 | 95 | 0.00 |
| 95 | T | Naphthalene | 3.270 | 2.829 | 13.5 | 95 | 0.00 |

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 1.098 | 0.988 | 10.0 | 102 | 0.00 |

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

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | Pentafluorobenzene | 50.000 | 50.000 | 0.0 | 119 | 0.00 |
| 2 | T | Dichlorodifluoromethane | 50.000 | 48.380 | 3.2 | 106 | 0.00 |
| 3 | P | Chloromethane | 50.000 | 46.879 | 6.2 | 109 | 0.00 |
| 4 | C | Vinyl Chloride | 50.000 | 48.124 | 3.8# | 111 | 0.00 |
| 5 | T | Bromomethane | 50.000 | 54.977 | -10.0 | 123 | 0.00 |
| 6 | T | Chloroethane | 50.000 | 49.606 | 0.8 | 117 | 0.00 |
| 7 | T | Trichlorofluoromethane | 50.000 | 48.506 | 3.0 | 112 | 0.00 |
| 8 | T | Diethyl Ether | 50.000 | 48.000 | 4.0 | 114 | 0.00 |
| 9 | T | 1,1,2-Trichlorotrifluoroeth | 50.000 | 49.654 | 0.7 | 118 | 0.00 |
| 10 | T | Methyl Iodide | 50.000 | 42.802 | 14.4 | 110 | 0.00 |
| 11 | T | Tert butyl alcohol | 250.000 | 161.387 | 35.4# | 77 | 0.00 |
| 12 | CM | 1,1-Dichloroethene | 50.000 | 49.096 | 1.8# | 114 | 0.00 |
| 13 | T | Acrolein | 250.000 | 215.206 | 13.9 | 106 | 0.00 |
| 14 | T | Allyl chloride | 50.000 | 47.761 | 4.5 | 114 | 0.00 |
| 15 | T | Acrylonitrile | 250.000 | 208.718 | 16.5 | 98 | 0.00 |
| 16 | T | Acetone | 250.000 | 236.720 | 5.3 | 118 | 0.00 |
| 17 | T | Carbon Disulfide | 50.000 | 42.955 | 14.1 | 107 | 0.00 |
| 18 | T | Methyl Acetate | 50.000 | 44.053 | 11.9 | 106 | 0.00 |
| 19 | T | Methyl tert-butyl Ether | 50.000 | 43.795 | 12.4 | 103 | 0.00 |
| 20 | T | Methylene Chloride | 50.000 | 47.130 | 5.7 | 118 | 0.00 |
| 21 | T | trans-1,2-Dichloroethene | 50.000 | 46.714 | 6.6 | 112 | 0.00 |
| 22 | T | Diisopropyl ether | 50.000 | 48.785 | 2.4 | 114 | 0.00 |
| 23 | T | Vinyl Acetate | 250.000 | 227.815 | 8.9 | 104 | 0.00 |
| 24 | P | 1,1-Dichloroethane | 50.000 | 47.644 | 4.7 | 114 | 0.00 |
| 25 | T | 2-Butanone | 250.000 | 200.276 | 19.9 | 92 | 0.00 |
| 26 | T | 2,2-Dichloropropane | 50.000 | 48.372 | 3.3 | 121 | 0.00 |
| 27 | T | cis-1,2-Dichloroethene | 50.000 | 47.538 | 4.9 | 115 | 0.00 |
| 28 | T | Bromochloromethane | 50.000 | 54.107 | -8.2 | 132 | 0.00 |
| 29 | T | Tetrahydrofuran | 250.000 | 194.772 | 22.1 | 90 | -0.01 |
| 30 | C | Chloroform | 50.000 | 47.540 | 4.9# | 111 | -0.01 |
| 31 | T | Cyclohexane | 50.000 | 44.583 | 10.8 | 109 | 0.00 |
| 32 | T | 1,1,1-Trichloroethane | 50.000 | 45.681 | 8.6 | 109 | -0.01 |
| 33 | S | 1,2-Dichloroethane-d4 | 50.000 | 50.519 | -1.0 | 128 | 0.00 |
| 34 | I | 1,4-Difluorobenzene | 50.000 | 50.000 | 0.0 | 114 | 0.00 |
| 35 | S | Dibromofluoromethane | 50.000 | 57.422 | -14.8 | 135 | -0.01 |
| 36 | T | 1,1-Dichloropropene | 50.000 | 47.397 | 5.2 | 108 | 0.00 |
| 37 | T | Ethyl Acetate | 50.000 | 41.370 | 17.3 | 97 | 0.00 |
| 38 | T | Carbon Tetrachloride | 50.000 | 46.870 | 6.3 | 108 | -0.01 |
| 39 | T | Methylcyclohexane | 50.000 | 45.890 | 8.2 | 105 | 0.00 |
| 40 | TM | Benzene | 50.000 | 48.353 | 3.3 | 110 | 0.00 |
| 41 | T | Methacrylonitrile | 50.000 | 45.126 | 9.7 | 101 | 0.00 |
| 42 | TM | 1,2-Dichloroethane | 50.000 | 46.308 | 7.4 | 106 | 0.00 |
| 43 | T | Isopropyl Acetate | 50.000 | 42.021 | 16.0 | 92 | 0.00 |
| 44 | TM | Trichloroethene | 50.000 | 48.192 | 3.6 | 111 | 0.00 |
| 45 | C | 1,2-Dichloropropane | 50.000 | 48.703 | 2.6# | 112 | 0.00 |
| 46 | T | Dibromomethane | 50.000 | 47.203 | 5.6 | 108 | 0.00 |
| 47 | T | Bromodichloromethane | 50.000 | 49.386 | 1.2 | 111 | 0.00 |
| 48 | T | Methyl methacrylate | 50.000 | 44.303 | 11.4 | 94 | 0.00 |

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 49 | T | 1,4-Dioxane | 1000.000 | 718.178 | 28.2# | 84 | 0.00 |
| 50 | S | Toluene-d8 | 50.000 | 54.891 | -9.8 | 130 | 0.00 |
| 51 | T | 4-Methyl-2-Pentanone | 250.000 | 204.929 | 18.0 | 90 | 0.00 |
| 52 | CM | Toluene | 50.000 | 48.157 | 3.7# | 108 | 0.00 |
| 53 | T | t-1,3-Dichloropropene | 50.000 | 48.232 | 3.5 | 107 | 0.00 |
| 54 | T | cis-1,3-Dichloropropene | 50.000 | 49.280 | 1.4 | 111 | 0.00 |
| 55 | T | 1,1,2-Trichloroethane | 50.000 | 47.283 | 5.4 | 108 | 0.00 |
| 56 | T | Ethyl methacrylate | 50.000 | 44.934 | 10.1 | 97 | 0.00 |
| 57 | T | 1,3-Dichloropropane | 50.000 | 46.867 | 6.3 | 107 | 0.00 |
| 58 | T | 2-Chloroethyl Vinyl ether | 250.000 | 283.350 | -13.3 | 115 | 0.00 |
| 59 | T | 2-Hexanone | 250.000 | 202.642 | 18.9 | 89 | 0.00 |
| 60 | T | Dibromochloromethane | 50.000 | 48.035 | 3.9 | 109 | 0.00 |
| 61 | T | 1,2-Dibromoethane | 50.000 | 46.465 | 7.1 | 105 | 0.00 |
| 62 | S | 4-Bromofluorobenzene | 50.000 | 55.190 | -10.4 | 131 | 0.00 |
| 63 | I | Chlorobenzene-d5 | 50.000 | 50.000 | 0.0 | 113 | 0.00 |
| 64 | T | Tetrachloroethene | 50.000 | 47.404 | 5.2 | 109 | 0.00 |
| 65 | PM | Chlorobenzene | 50.000 | 48.051 | 3.9 | 110 | 0.00 |
| 66 | T | 1,1,1,2-Tetrachloroethane | 50.000 | 49.796 | 0.4 | 112 | 0.00 |
| 67 | C | Ethyl Benzene | 50.000 | 48.234 | 3.5# | 109 | 0.00 |
| 68 | T | m/p-Xylenes | 100.000 | 97.264 | 2.7 | 109 | 0.00 |
| 69 | T | o-Xylene | 50.000 | 49.430 | 1.1 | 109 | 0.00 |
| 70 | T | Styrene | 50.000 | 49.300 | 1.4 | 109 | 0.00 |
| 71 | P | Bromoform | 50.000 | 46.735 | 6.5 | 104 | 0.00 |
| 72 | I | 1,4-Dichlorobenzene-d4 | 50.000 | 50.000 | 0.0 | 112 | 0.00 |
| 73 | T | Isopropylbenzene | 50.000 | 48.890 | 2.2 | 108 | 0.00 |
| 74 | T | N-amyl acetate | 50.000 | 43.399 | 13.2 | 92 | 0.00 |
| 75 | P | 1,1,2,2-Tetrachloroethane | 50.000 | 45.306 | 9.4 | 100 | 0.00 |
| 76 | T | 1,2,3-Trichloropropane | 50.000 | 41.531 | 16.9 | 86 | 0.00 |
| 77 | T | Bromobenzene | 50.000 | 49.368 | 1.3 | 109 | 0.00 |
| 78 | T | n-propylbenzene | 50.000 | 49.267 | 1.5 | 109 | 0.00 |
| 79 | T | 2-Chlorotoluene | 50.000 | 47.894 | 4.2 | 108 | 0.00 |
| 80 | T | 1,3,5-Trimethylbenzene | 50.000 | 48.688 | 2.6 | 107 | 0.00 |
| 81 | T | trans-1,4-Dichloro-2-butene | 50.000 | 44.062 | 11.9 | 102 | 0.00 |
| 82 | T | 4-Chlorotoluene | 50.000 | 48.334 | 3.3 | 109 | 0.00 |
| 83 | T | tert-Butylbenzene | 50.000 | 48.293 | 3.4 | 108 | 0.00 |
| 84 | T | 1,2,4-Trimethylbenzene | 50.000 | 48.751 | 2.5 | 108 | 0.00 |
| 85 | T | sec-Butylbenzene | 50.000 | 47.912 | 4.2 | 106 | 0.00 |
| 86 | T | p-Isopropyltoluene | 50.000 | 47.038 | 5.9 | 105 | 0.00 |
| 87 | T | 1,3-Dichlorobenzene | 50.000 | 46.853 | 6.3 | 108 | 0.00 |
| 88 | T | 1,4-Dichlorobenzene | 50.000 | 45.673 | 8.7 | 109 | 0.00 |
| 89 | T | n-Butylbenzene | 50.000 | 46.664 | 6.7 | 105 | 0.00 |
| 90 | T | Hexachloroethane | 50.000 | 46.860 | 6.3 | 105 | 0.00 |
| 91 | T | 1,2-Dichlorobenzene | 50.000 | 47.609 | 4.8 | 108 | 0.00 |
| 92 | T | 1,2-Dibromo-3-Chloropropane | 50.000 | 39.371 | 21.3 | 85 | 0.00 |
| 93 | T | 1,2,4-Trichlorobenzene | 50.000 | 45.919 | 8.2 | 104 | 0.00 |
| 94 | T | Hexachlorobutadiene | 50.000 | 42.423 | 15.2 | 95 | 0.00 |
| 95 | T | Naphthalene | 50.000 | 43.258 | 13.5 | 95 | 0.00 |

Sample Results: **VX046844.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046844.D
Acq On : 01 Jul 2025 08:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 02 01:38:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 44.974 | 10.1 | 102 | 0.00 |

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

# QC SAMPLE DATA

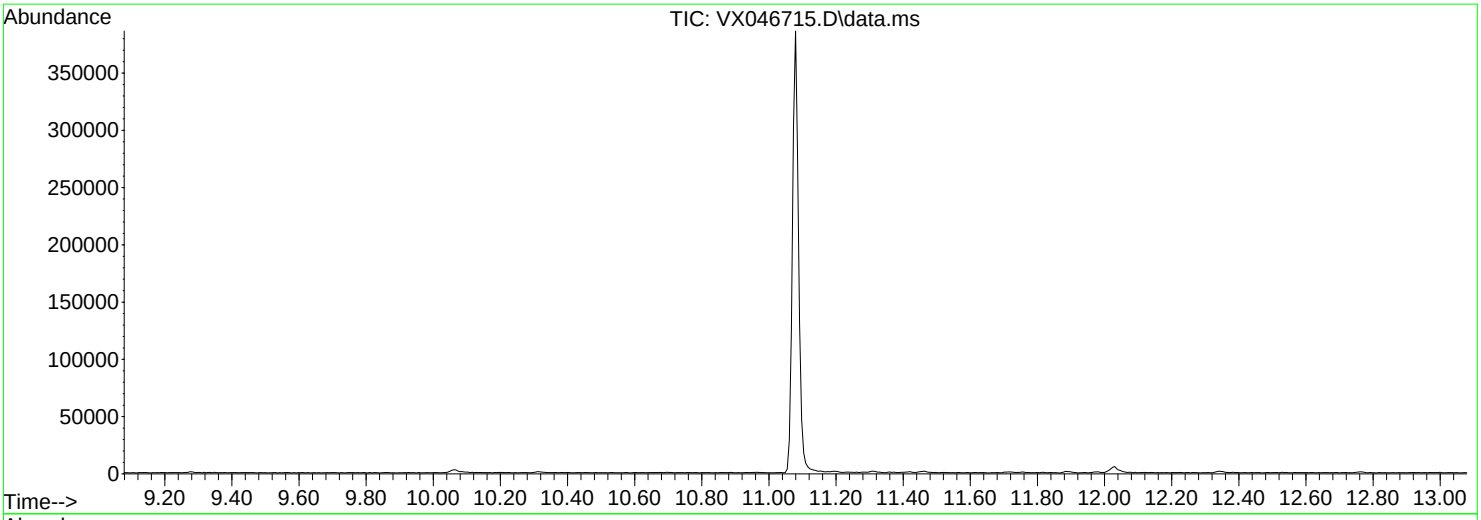
Sample Results: **VX046715.D**

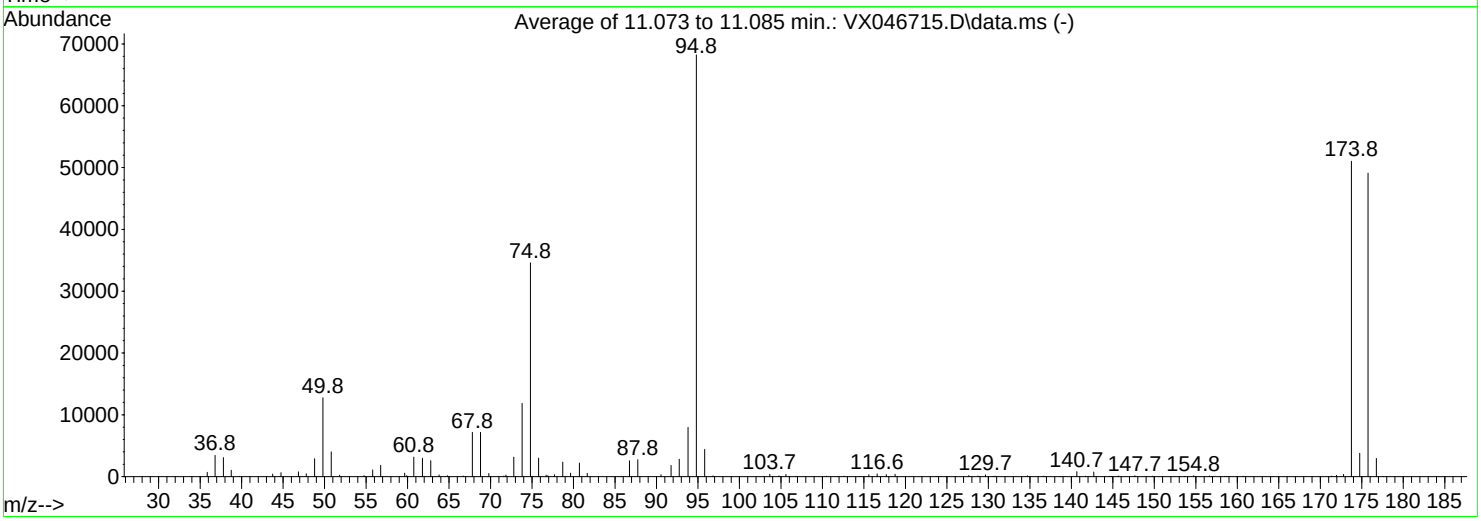
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061725\
Data File : VX046715.D
Acq On : 17 Jun 2025 08:46
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: RTEINT.P

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




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

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

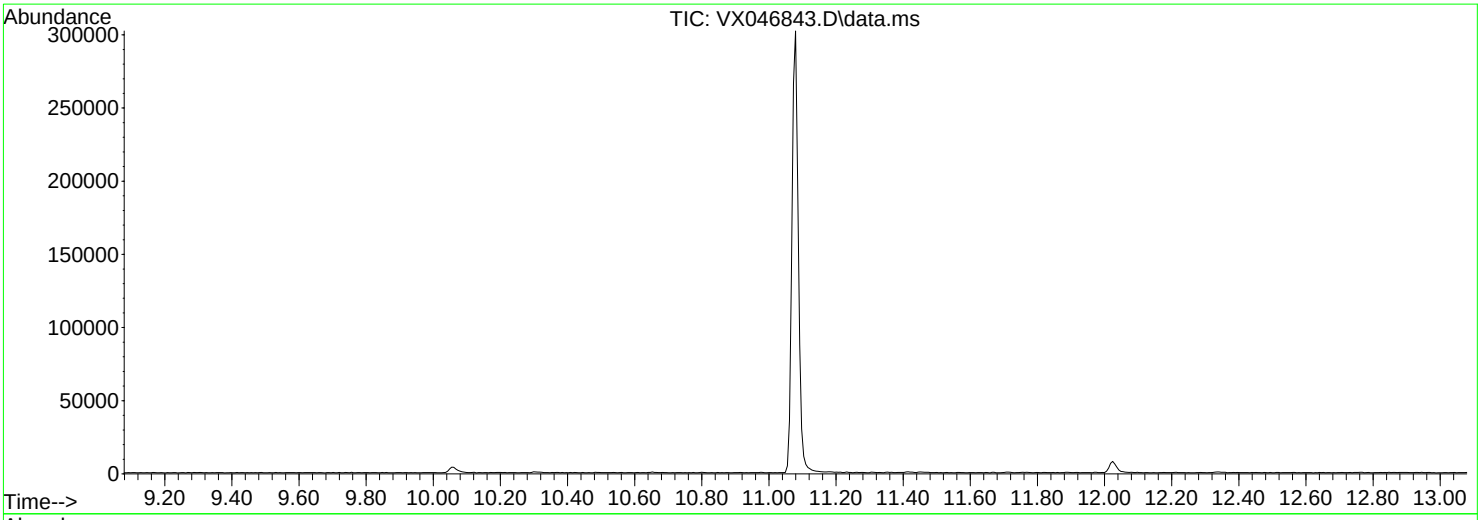
Sample Results: **VX046843.D**

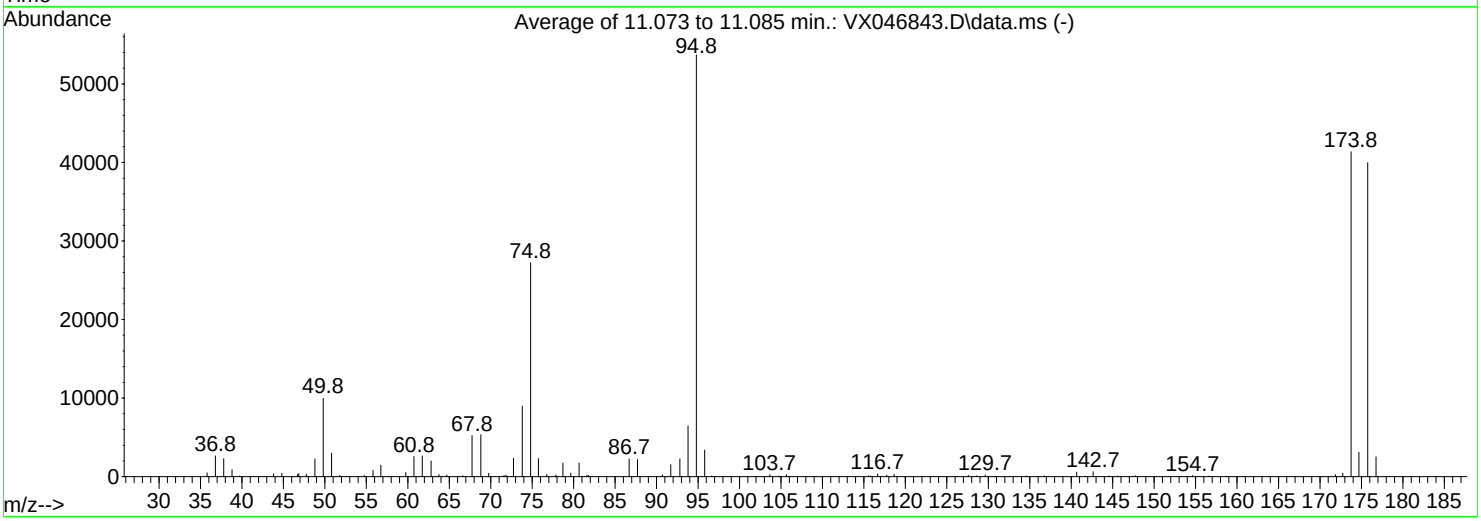
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046843.D
Acq On : 01 Jul 2025 08:11
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

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

Integration File: RTEINT.P

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




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

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.6 | 9967 | PASS |
| 75 | 95 | 30 | 60 | 50.7 | 27240 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 53701 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 3389 | PASS |
| 173 | 174 | 0.00 | 2 | 1.1 | 441 | PASS |
| 174 | 95 | 50 | 100 | 77.0 | 41376 | PASS |
| 175 | 174 | 5 | 9 | 7.5 | 3090 | PASS |
| 176 | 174 | 95 | 101 | 96.6 | 39968 | PASS |
| 177 | 176 | 5 | 9 | 6.3 | 2523 | PASS |

Raw Data: **VX046846.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | |
| Client Sample ID: | VX0701WBL01 | SDG No.: | Q2463 |
| Lab Sample ID: | VX0701WBL01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group4 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046846.D | 1 | 07/01/25 09:41 | VX070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 1.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.25 | U | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.20 | U | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.15 | U | 0.15 | 1.00 | ug/L |
| 108-88-3 | Toluene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.23 | U | 0.23 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.13 | U | 0.13 | 1.00 | ug/L |
| 1330-20-7 | Total Xylenes | 0.36 | U | 0.36 | 3.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.7 | | 70 (74) - 130 (125) | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.1 | | 70 (75) - 130 (124) | 102% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 50.5 | | 70 (86) - 130 (113) | 101% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 52.2 | | 70 (77) - 130 (121) | 104% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 141000 | 5.562 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 239000 | 6.769 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 217000 | 10.055 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 112000 | 12.018 | | | |

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046846.D
Acq On : 01 Jul 2025 09:41
Operator : JC/MD
Sample : VX0701WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBL01

Quant Time: Jul 02 01:38:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

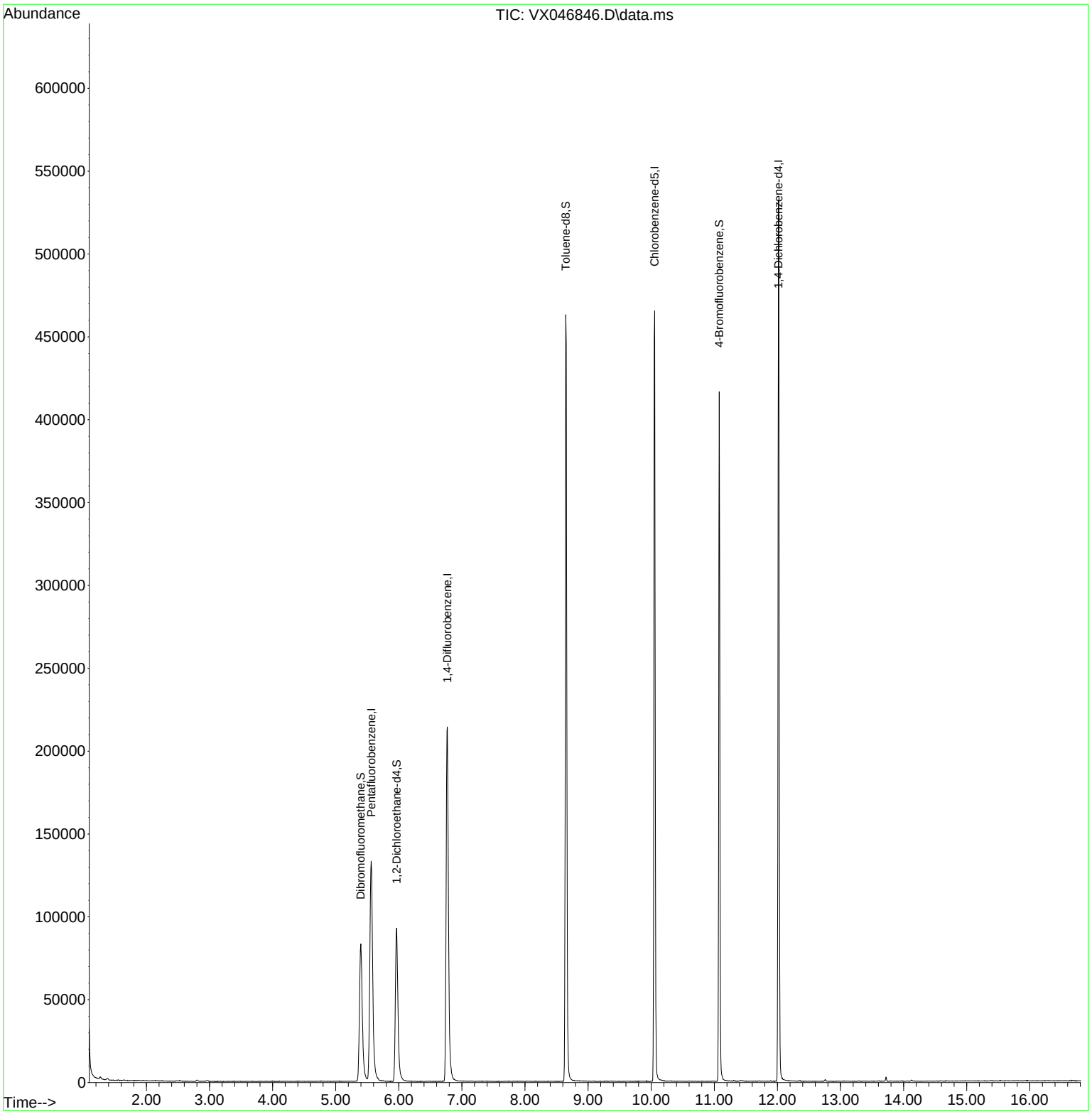
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.562 | 168 | 140918 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.769 | 114 | 239139 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.055 | 117 | 216898 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 112050 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.964 | 65 | 96904 | 49.716 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.440% | | | |
| 35) Dibromofluoromethane | 5.397 | 113 | 80899 | 51.130 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.260% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 286964 | 50.481 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 100.960% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 110590 | 52.190 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 104.380% | | | |
| Target Compounds | | | | | | Qvalue |

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

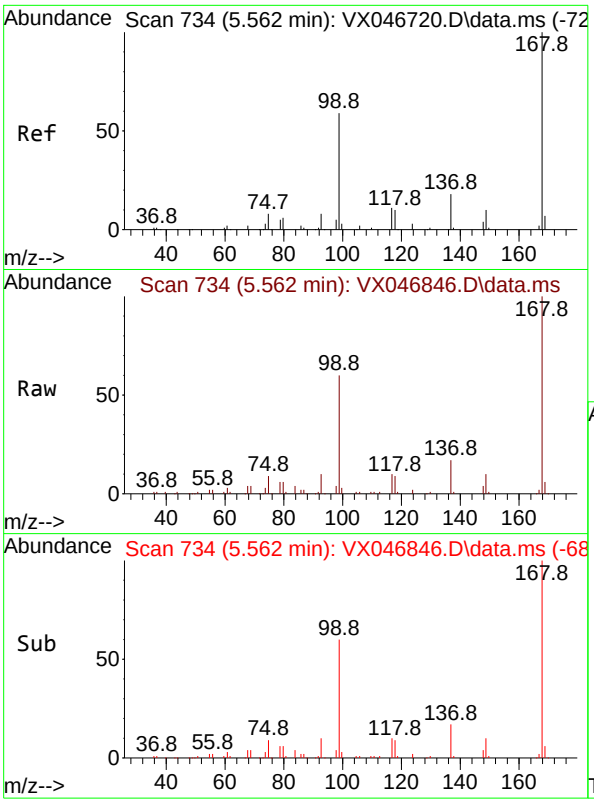
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046846.D
Acq On : 01 Jul 2025 09:41
Operator : JC/MD
Sample : VX0701WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBL01

Quant Time: Jul 02 01:38:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



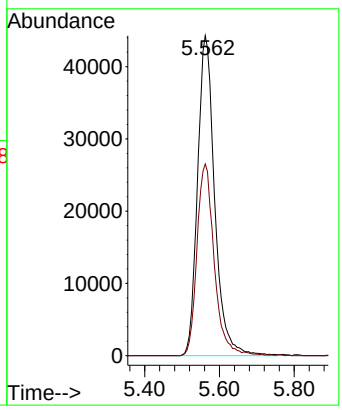
**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBL01

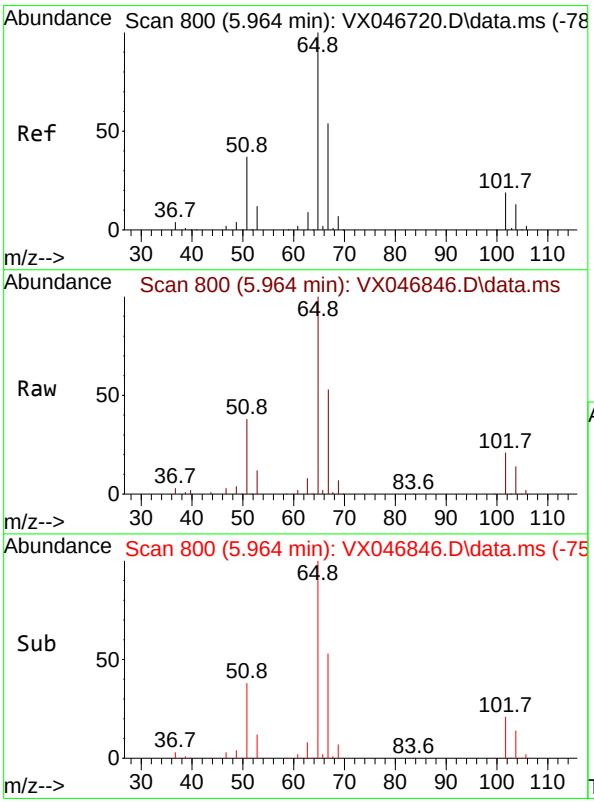



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion:168 Resp: 140918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.9 | 48.5 | 72.7 |

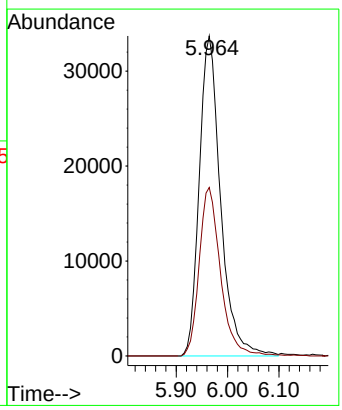


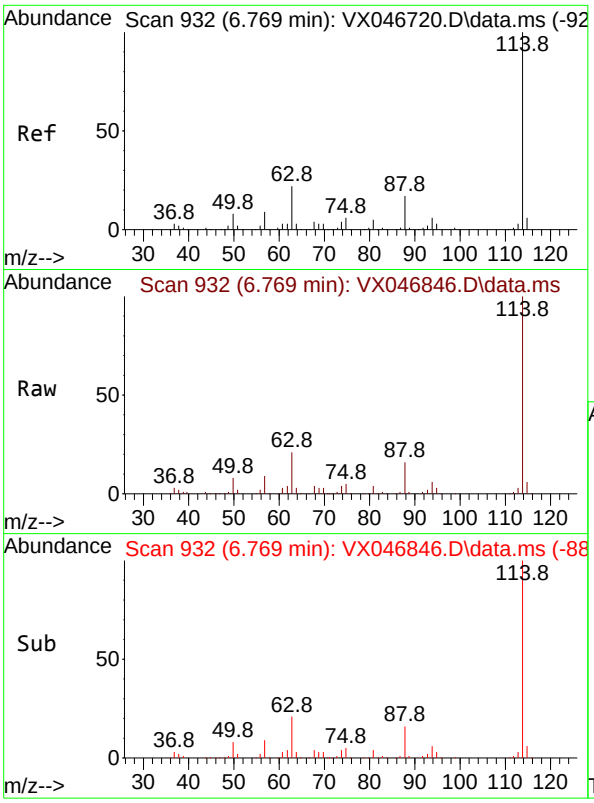




#33
1,2-Dichloroethane-d4
Concen: 49.716 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion: 65 Resp: 96904

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



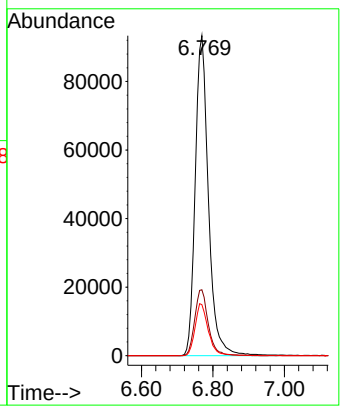


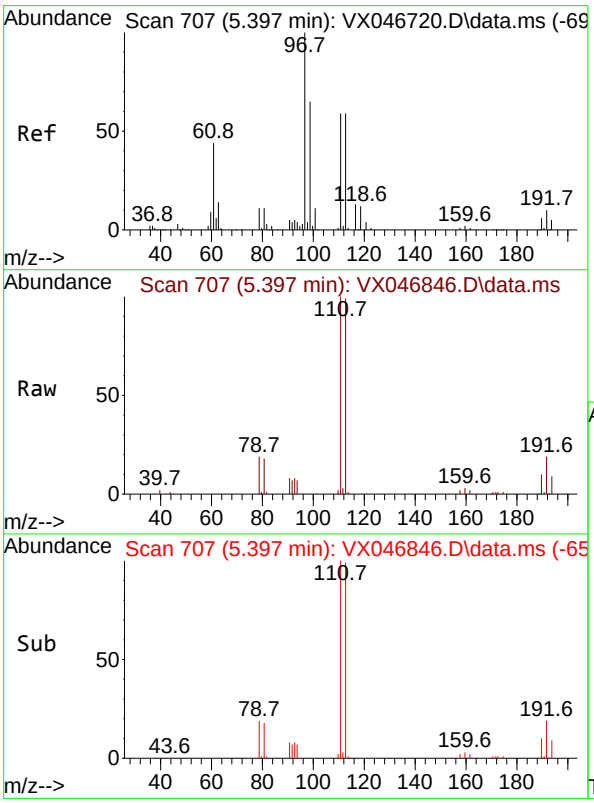

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBL01

Tgt Ion:114 Resp: 239139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.6 | 0.0 | 44.2 |
| 88 | 16.0 | 0.0 | 33.2 |

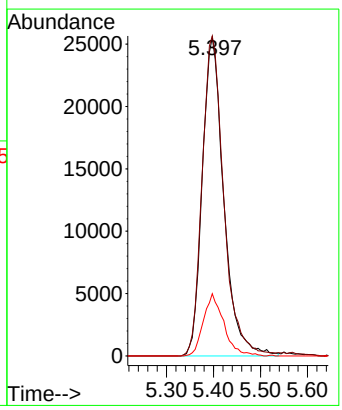


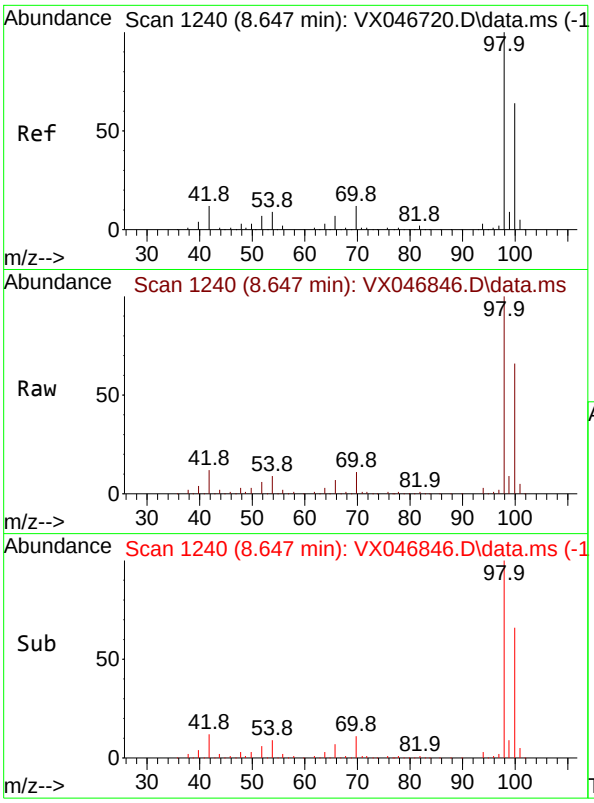




#35
Dibromofluoromethane
Concen: 51.130 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion:113 Resp: 80899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.2 | 82.0 | 123.0 |
| 192 | 18.6 | 15.3 | 22.9 |



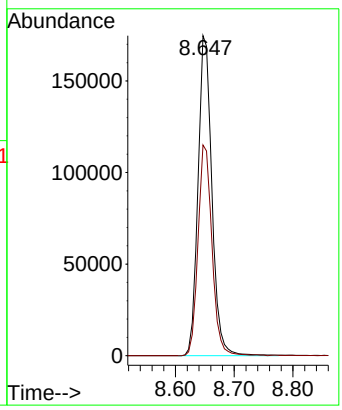


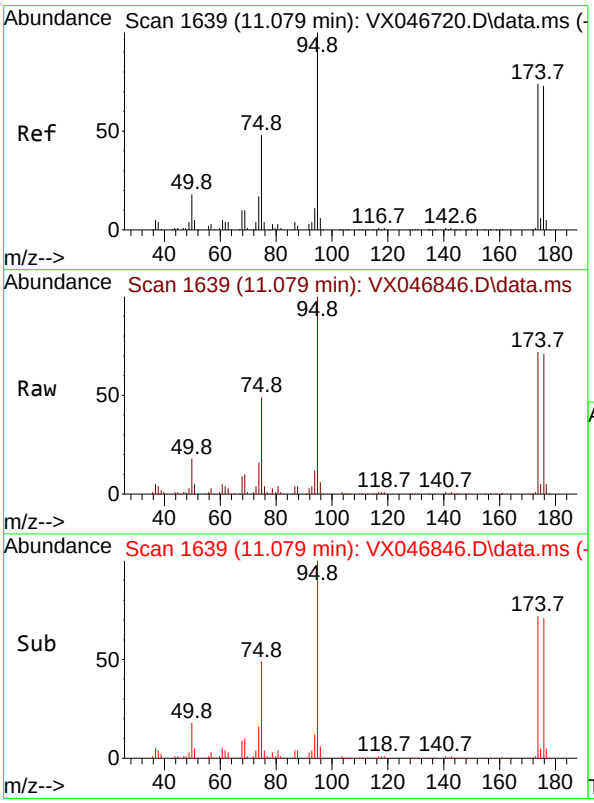

#50
Toluene-d8
Concen: 50.481 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBL01

Tgt Ion: 98 Resp: 286964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 66.3 | 53.0 | 79.4 |

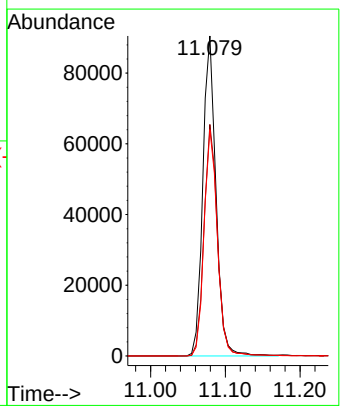


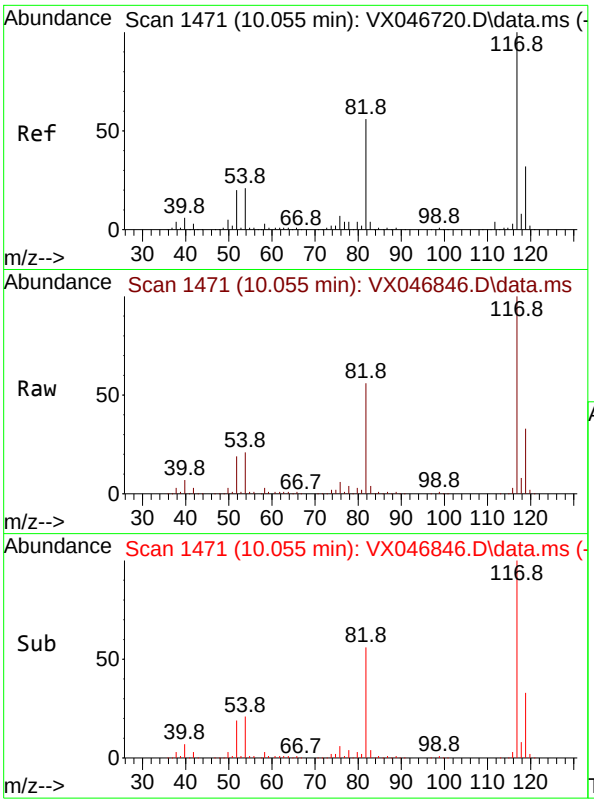




#62
4-Bromofluorobenzene
Concen: 52.190 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion: 95 Resp: 110590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 73.6 | 0.0 | 150.4 |
| 176 | 71.8 | 0.0 | 145.0 |



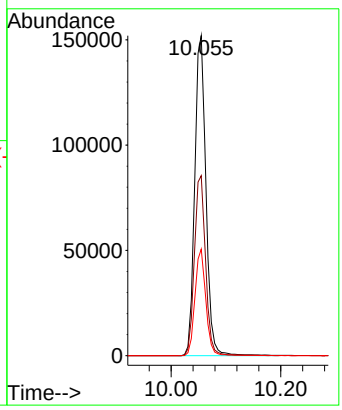


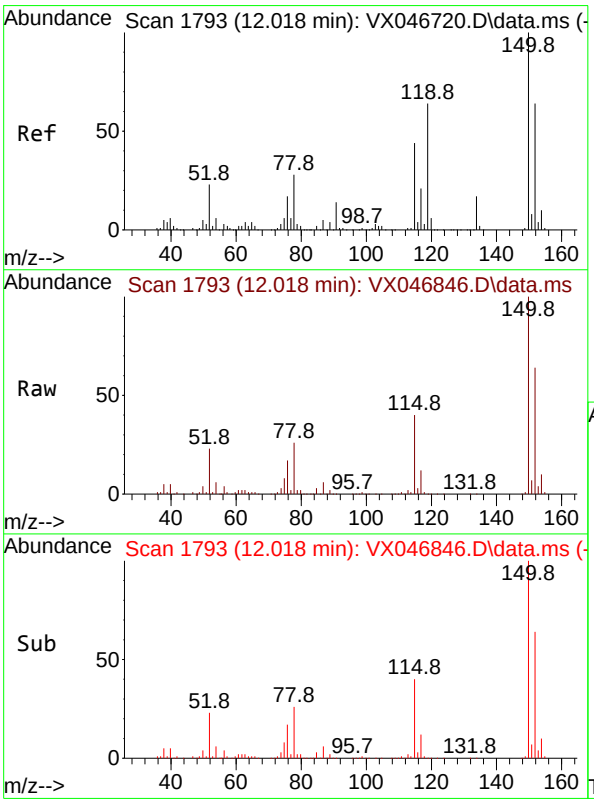

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBL01

Tgt Ion:117 Resp: 216898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.3 | 44.6 | 66.8 |
| 119 | 33.3 | 25.8 | 38.8 |

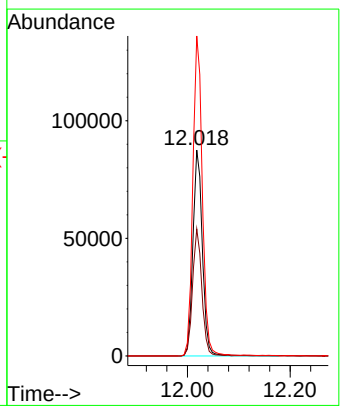



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046846.D
Acq: 01 Jul 2025 09:41

Tgt Ion:152 Resp: 112050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.5 | 43.2 | 129.6 |
| 150 | 155.3 | 0.0 | 346.8 |



Raw Data: **VX046847.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | |
| Client Sample ID: | VX0701WBS01 | SDG No.: | Q2463 |
| Lab Sample ID: | VX0701WBS01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group4 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046847.D | 1 | 07/01/25 10:15 | VX070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1634-04-4 | Methyl tert-butyl Ether | 17.4 | | 0.16 | 1.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.5 | | 0.25 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.5 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.4 | | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.4 | | 0.15 | 1.00 | ug/L |
| 108-88-3 | Toluene | 19.6 | | 0.14 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.9 | | 0.23 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 19.2 | | 0.13 | 1.00 | ug/L |
| 1330-20-7 | Total Xylenes | 59.1 | | 0.36 | 3.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 42.7 | | 70 (74) - 130 (125) | 85% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 46.8 | | 70 (75) - 130 (124) | 94% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.2 | | 70 (86) - 130 (113) | 94% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.0 | | 70 (77) - 130 (121) | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 145000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 237000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 212000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 107000 | 12.018 | | | |

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046847.D
Acq On : 01 Jul 2025 10:15
Operator : JC/MD
Sample : VX0701WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 01:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 144669 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 236747 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 211980 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 107120 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 85499 | 42.727 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 85.460% | | | |
| 35) Dibromofluoromethane | 5.385 | 113 | 73248 | 46.762 | ug/l | -0.01 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 93.520% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 265900 | 47.248 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 94.500% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 100708 | 48.006 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.020% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 28247 | 18.288 | ug/l | 98 |
| 3) Chloromethane | 1.307 | 50 | 30247 | 18.143 | ug/l | 95 |
| 4) Vinyl Chloride | 1.386 | 62 | 32774 | 18.435 | ug/l | 97 |
| 5) Bromomethane | 1.630 | 94 | 22276 | 22.271 | ug/l | 94 |
| 6) Chloroethane | 1.703 | 64 | 20765 | 19.272 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 49540 | 18.352 | ug/l | 100 |
| 8) Diethyl Ether | 2.142 | 74 | 17657 | 19.060 | ug/l | 96 |
| 9) 1,1,2-Trichlorotrifluo... | 2.343 | 101 | 32431 | 19.584 | ug/l | 97 |
| 10) Methyl Iodide | 2.465 | 142 | 30766 | 17.889 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.953 | 59 | 12515 | 69.681 | ug/l | 100 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 30579 | 19.137 | ug/l | 94 |
| 13) Acrolein | 2.246 | 56 | 18977 | 72.541 | ug/l | 99 |
| 14) Allyl chloride | 2.678 | 41 | 53830 | 18.593 | ug/l | 97 |
| 15) Acrylonitrile | 3.069 | 53 | 69904 | 86.557 | ug/l | 100 |
| 16) Acetone | 2.386 | 43 | 55733 | 83.521 | ug/l | 99 |
| 17) Carbon Disulfide | 2.526 | 76 | 79319 | 16.438 | ug/l | 98 |
| 18) Methyl Acetate | 2.709 | 43 | 30102 | 17.761 | ug/l | 99 |
| 19) Methyl tert-butyl Ether | 3.117 | 73 | 86580 | 17.401 | ug/l | 99 |
| 20) Methylene Chloride | 2.800 | 84 | 34764 | 18.733 | ug/l | 98 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 31161 | 18.225 | ug/l | 99 |
| 22) Diisopropyl ether | 3.764 | 45 | 110367 | 19.833 | ug/l | 97 |
| 23) Vinyl Acetate | 3.727 | 43 | 395927 | 89.470 | ug/l | 100 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 60361 | 19.104 | ug/l | 97 |
| 25) 2-Butanone | 4.556 | 43 | 76917 | 81.501 | ug/l | 98 |
| 26) 2,2-Dichloropropane | 4.477 | 77 | 43669 | 18.950 | ug/l | 99 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 38818 | 19.324 | ug/l | 98 |
| 28) Bromochloromethane | 4.904 | 49 | 26236 | 18.316 | ug/l | 98 |
| 29) Tetrahydrofuran | 5.007 | 42 | 48545 | 79.637 | ug/l | 99 |
| 30) Chloroform | 5.099 | 83 | 61727 | 19.535 | ug/l | 96 |
| 31) Cyclohexane | 5.477 | 56 | 54681 | 18.249 | ug/l | 95 |
| 32) 1,1,1-Trichloroethane | 5.385 | 97 | 50987 | 18.399 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 42998 | 19.016 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 33855 | 16.221 | ug/l | 98 |
| 38) Carbon Tetrachloride | 5.678 | 117 | 45392 | 18.498 | ug/l | 99 |
| 39) Methylcyclohexane | 7.379 | 83 | 54196 | 18.214 | ug/l | 98 |
| 40) Benzene | 6.044 | 78 | 129923 | 19.415 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046847.D
Acq On : 01 Jul 2025 10:15
Operator : JC/MD
Sample : VX0701WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 01:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 19694 | 17.699 | ug/l | | 96 |
| 42) 1,2-Dichloroethane | 6.092 | 62 | 43907 | 18.671 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 55123 | 16.878 | ug/l | | 98 |
| 44) Trichloroethene | 7.129 | 130 | 33249 | 19.496 | ug/l | | 100 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 32623 | 19.671 | ug/l | | 93 |
| 46) Dibromomethane | 7.580 | 93 | 22495 | 18.873 | ug/l | | 98 |
| 47) Bromodichloromethane | 7.818 | 83 | 47654 | 19.592 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 28819 | 17.594 | ug/l | | 99 |
| 49) 1,4-Dioxane | 7.659 | 88 | 7096 | 317.600 | ug/l | | 93 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 168639 | 86.574 | ug/l | | 98 |
| 52) Toluene | 8.714 | 92 | 81404 | 19.622 | ug/l | | 98 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 42053 | 18.634 | ug/l | | 96 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 48113 | 18.780 | ug/l | | 99 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 30123 | 19.485 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 40906 | 17.924 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 50824 | 19.090 | ug/l | | 99 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 111624 | 94.159 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 112961 | 83.882 | ug/l | | 100 |
| 60) Dibromochloromethane | 9.519 | 129 | 35409 | 19.435 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 29771 | 18.932 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 27816 | 18.940 | ug/l | | 96 |
| 65) Chlorobenzene | 10.080 | 112 | 90984 | 19.444 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 30642 | 19.484 | ug/l | | 98 |
| 67) Ethyl Benzene | 10.189 | 91 | 156711 | 19.167 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 119679 | 39.284 | ug/l | | 100 |
| 69) o-Xylene | 10.640 | 106 | 56578 | 19.817 | ug/l | | 98 |
| 70) Styrene | 10.653 | 104 | 99223 | 19.859 | ug/l | | 99 |
| 71) Bromoform | 10.799 | 173 | 22206 | 18.541 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 152207 | 19.293 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 49829 | 16.670 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 40558 | 18.411 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 32540m | 16.586 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 37035 | 19.508 | ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 182113 | 19.434 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 107457 | 19.207 | ug/l | | 99 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 126405 | 19.497 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11515 | 16.590 | ug/l | | 95 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 126101 | 19.312 | ug/l | | 100 |
| 83) tert-Butylbenzene | 11.713 | 119 | 127579 | 19.037 | ug/l | | 98 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 125478 | 19.264 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.890 | 105 | 161659 | 19.087 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 135899 | 19.017 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 11.969 | 146 | 70592 | 19.070 | ug/l | | 99 |
| 88) 1,4-Dichlorobenzene | 12.037 | 146 | 72288 | 19.012 | ug/l | | 99 |
| 89) n-Butylbenzene | 12.329 | 91 | 126507 | 18.645 | ug/l | | 100 |
| 90) Hexachloroethane | 12.536 | 117 | 22995 | 18.376 | ug/l | | 99 |
| 91) 1,2-Dichlorobenzene | 12.329 | 146 | 66272 | 19.158 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 7038 | 16.183 | ug/l | | 98 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 44819 | 18.224 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 13.719 | 225 | 17884 | 17.287 | ug/l | | 97 |
| 95) Naphthalene | 13.774 | 128 | 121052 | 17.277 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 42825 | 18.202 | ug/l | | 99 |

Sample Results: **VX046847.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046847.D
Acq On : 01 Jul 2025 10:15
Operator : JC/MD
Sample : VX0701WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 01:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

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

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

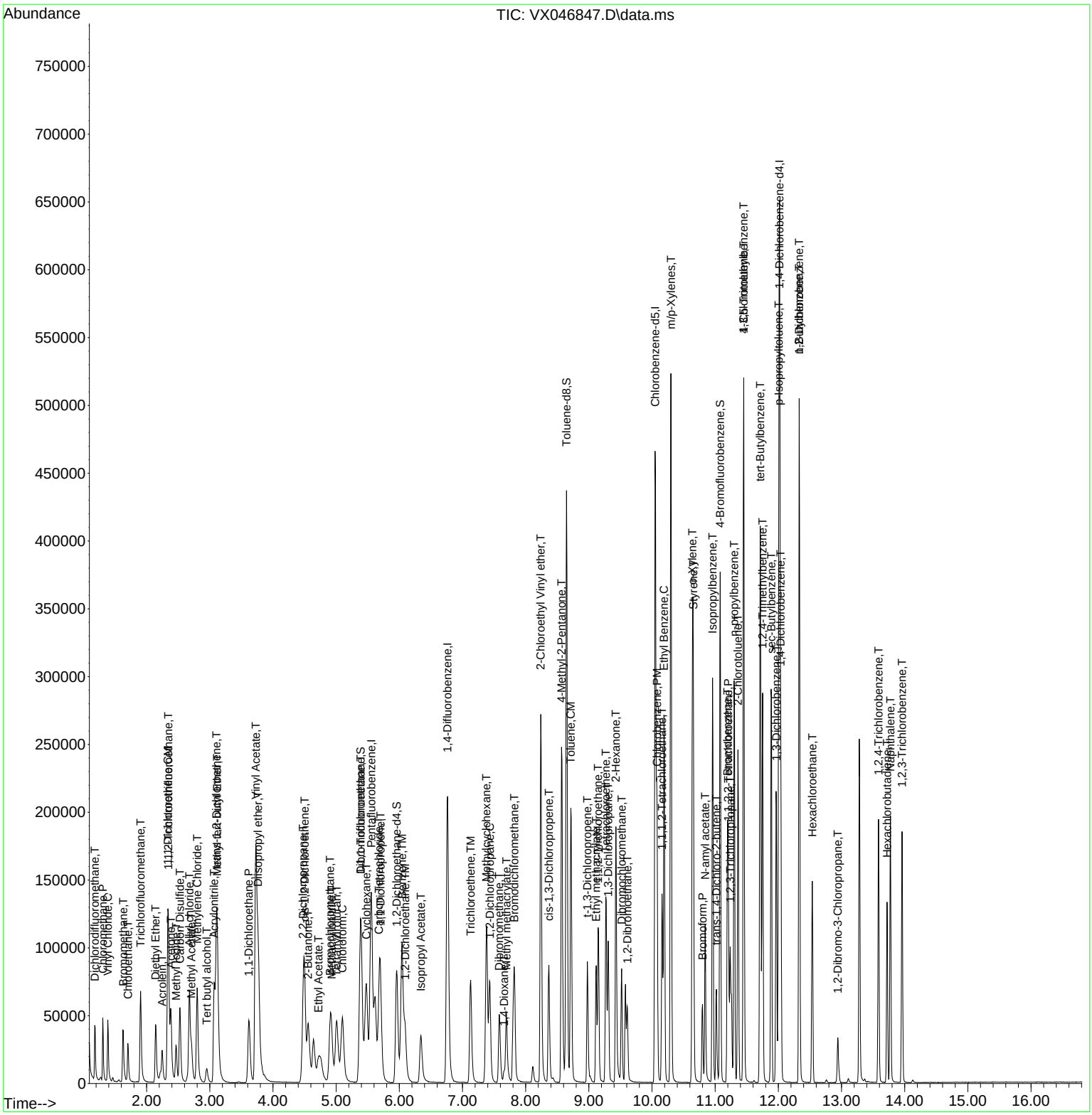
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046847.D
Acq On : 01 Jul 2025 10:15
Operator : JC/MD
Sample : VX0701WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 01:38:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



Raw Data: **VX046848.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | |
| Client Sample ID: | VX0701WBSD01 | SDG No.: | Q2463 |
| Lab Sample ID: | VX0701WBSD01 | Matrix: | Water |
| Analytical Method: | 8260D | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOCMS Group4 |
| GC Column: | DB-624UI ID : 0.18 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Date Analyzed | Prep Batch ID |
|---|---|---|---|
| VX046848.D | 1 | 07/01/25 10:42 | VX070125 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 1634-04-4 | Methyl tert-butyl Ether | 18.3 | | 0.16 | 1.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.6 | | 0.25 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.7 | | 0.25 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 18.4 | | 0.20 | 1.00 | ug/L |
| 71-43-2 | Benzene | 19.4 | | 0.15 | 1.00 | ug/L |
| 108-88-3 | Toluene | 19.9 | | 0.14 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 18.9 | | 0.23 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.9 | | 0.13 | 1.00 | ug/L |
| 1330-20-7 | Total Xylenes | 59.1 | | 0.36 | 3.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 45.2 | | 70 (74) - 130 (125) | 90% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 48.3 | | 70 (75) - 130 (124) | 97% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 47.9 | | 70 (86) - 130 (113) | 96% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 49.0 | | 70 (77) - 130 (121) | 98% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 135000 | 5.556 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 221000 | 6.763 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 201000 | 10.049 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 102000 | 12.018 | | | |

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

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

Sample Results: **VX046848.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046848.D
Acq On : 01 Jul 2025 10:42
Operator : JC/MD
Sample : VX0701WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 5.556 | 168 | 134985 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 6.763 | 114 | 220693 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 10.049 | 117 | 201379 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152 | 102368 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 5.958 | 65 | 84454 | 45.233 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 90.460% | | | |
| 35) Dibromofluoromethane | 5.391 | 113 | 70489 | 48.274 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 96.540% | | | |
| 50) Toluene-d8 | 8.647 | 98 | 251374 | 47.917 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 95.840% | | | |
| 62) 4-Bromofluorobenzene | 11.079 | 95 | 95869 | 49.024 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 98.040% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.179 | 85 | 25196 | 17.483 | ug/l | 96 |
| 3) Chloromethane | 1.307 | 50 | 27301 | 17.551 | ug/l | 97 |
| 4) Vinyl Chloride | 1.386 | 62 | 29247 | 17.632 | ug/l | 94 |
| 5) Bromomethane | 1.624 | 94 | 20673 | 22.152 | ug/l | 99 |
| 6) Chloroethane | 1.703 | 64 | 18811 | 18.711 | ug/l | 95 |
| 7) Trichlorofluoromethane | 1.904 | 101 | 44549 | 17.687 | ug/l | 93 |
| 8) Diethyl Ether | 2.142 | 74 | 16505 | 19.095 | ug/l | 97 |
| 9) 1,1,2-Trichlorotrifluo... | 2.349 | 101 | 28863 | 18.680 | ug/l | 99 |
| 10) Methyl Iodide | 2.465 | 142 | 30780 | 18.868 | ug/l | 97 |
| 11) Tert butyl alcohol | 2.953 | 59 | 12078 | 72.073 | ug/l | 97 |
| 12) 1,1-Dichloroethene | 2.337 | 96 | 27563 | 18.487 | ug/l | 99 |
| 13) Acrolein | 2.245 | 56 | 18189 | 74.516 | ug/l | 95 |
| 14) Allyl chloride | 2.678 | 41 | 50079 | 18.538 | ug/l | 98 |
| 15) Acrylonitrile | 3.069 | 53 | 68513 | 90.921 | ug/l | 99 |
| 16) Acetone | 2.386 | 43 | 51848 | 83.273 | ug/l | 98 |
| 17) Carbon Disulfide | 2.526 | 76 | 70242 | 15.601 | ug/l | 100 |
| 18) Methyl Acetate | 2.709 | 43 | 30157 | 19.070 | ug/l | 98 |
| 19) Methyl tert-butyl Ether | 3.123 | 73 | 84831 | 18.273 | ug/l | 100 |
| 20) Methylene Chloride | 2.800 | 84 | 32564 | 18.807 | ug/l | 97 |
| 21) trans-1,2-Dichloroethene | 3.105 | 96 | 29341 | 18.391 | ug/l | 97 |
| 22) Diisopropyl ether | 3.770 | 45 | 103985 | 20.026 | ug/l | 90 |
| 23) Vinyl Acetate | 3.727 | 43 | 385741 | 93.421 | ug/l | 99 |
| 24) 1,1-Dichloroethane | 3.617 | 63 | 55095 | 18.688 | ug/l | 99 |
| 25) 2-Butanone | 4.556 | 43 | 75452 | 85.685 | ug/l | 99 |
| 26) 2,2-Dichloropropane | 4.489 | 77 | 40516 | 18.843 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene | 4.501 | 96 | 35763 | 19.081 | ug/l | 99 |
| 28) Bromochloromethane | 4.904 | 49 | 25644 | 19.187 | ug/l | 99 |
| 29) Tetrahydrofuran | 5.007 | 42 | 49548 | 87.114 | ug/l | 99 |
| 30) Chloroform | 5.099 | 83 | 58014 | 19.677 | ug/l | 94 |
| 31) Cyclohexane | 5.477 | 56 | 50366 | 18.015 | ug/l | 94 |
| 32) 1,1,1-Trichloroethane | 5.391 | 97 | 47579 | 18.401 | ug/l | 99 |
| 36) 1,1-Dichloropropene | 5.702 | 75 | 38838 | 18.426 | ug/l | 99 |
| 37) Ethyl Acetate | 4.721 | 43 | 32328 | 16.616 | ug/l | 96 |
| 38) Carbon Tetrachloride | 5.684 | 117 | 42660 | 18.649 | ug/l | 99 |
| 39) Methylcyclohexane | 7.385 | 83 | 49822 | 17.962 | ug/l | 98 |
| 40) Benzene | 6.044 | 78 | 121241 | 19.436 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046848.D
Acq On : 01 Jul 2025 10:42
Operator : JC/MD
Sample : VX0701WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 4.928 | 41 | 19947 | 19.231 | ug/l | | 95 |
| 42) 1,2-Dichloroethane | 6.086 | 62 | 42060 | 19.187 | ug/l | | 98 |
| 43) Isopropyl Acetate | 6.342 | 43 | 54078 | 17.762 | ug/l | | 99 |
| 44) Trichloroethene | 7.129 | 130 | 30024 | 18.886 | ug/l | | 94 |
| 45) 1,2-Dichloropropane | 7.434 | 63 | 30964 | 20.029 | ug/l | | 95 |
| 46) Dibromomethane | 7.586 | 93 | 21776 | 19.599 | ug/l | | 99 |
| 47) Bromodichloromethane | 7.818 | 83 | 45241 | 19.953 | ug/l | | 99 |
| 48) Methyl methacrylate | 7.696 | 41 | 29135 | 19.081 | ug/l | | 98 |
| 49) 1,4-Dioxane | 7.665 | 88 | 6917 | 330.821 | ug/l | | 96 |
| 51) 4-Methyl-2-Pentanone | 8.568 | 43 | 169263 | 93.215 | ug/l | | 99 |
| 52) Toluene | 8.714 | 92 | 76961 | 19.901 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 8.976 | 75 | 40890 | 19.437 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 8.366 | 75 | 46543 | 19.489 | ug/l | | 100 |
| 55) 1,1,2-Trichloroethane | 9.147 | 97 | 29210 | 20.269 | ug/l | | 97 |
| 56) Ethyl methacrylate | 9.116 | 69 | 40718 | 19.140 | ug/l | | 99 |
| 57) 1,3-Dichloropropane | 9.305 | 76 | 50134 | 20.201 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 8.238 | 63 | 110282 | 99.794 | ug/l | | 99 |
| 59) 2-Hexanone | 9.427 | 43 | 114656 | 91.334 | ug/l | | 98 |
| 60) Dibromochloromethane | 9.519 | 129 | 34601 | 20.373 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 9.610 | 107 | 29282 | 19.975 | ug/l | | 99 |
| 64) Tetrachloroethene | 9.269 | 164 | 26317 | 18.863 | ug/l | | 97 |
| 65) Chlorobenzene | 10.079 | 112 | 85978 | 19.341 | ug/l | | 99 |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131 | 28886 | 19.335 | ug/l | | 97 |
| 67) Ethyl Benzene | 10.189 | 91 | 146786 | 18.898 | ug/l | | 99 |
| 68) m/p-Xylenes | 10.299 | 106 | 113592 | 39.249 | ug/l | | 98 |
| 69) o-Xylene | 10.640 | 106 | 53955 | 19.893 | ug/l | | 97 |
| 70) Styrene | 10.653 | 104 | 94440 | 19.896 | ug/l | | 98 |
| 71) Bromoform | 10.799 | 173 | 21946 | 19.288 | ug/l | # | 98 |
| 73) Isopropylbenzene | 10.957 | 105 | 143898 | 19.086 | ug/l | | 100 |
| 74) N-amyl acetate | 10.842 | 43 | 51415 | 17.999 | ug/l | | 99 |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83 | 40206 | 19.099 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 11.238 | 75 | 32495m | 17.332 | ug/l | | |
| 77) Bromobenzene | 11.195 | 156 | 35064 | 19.327 | ug/l | | 98 |
| 78) n-propylbenzene | 11.299 | 91 | 171043 | 19.100 | ug/l | | 100 |
| 79) 2-Chlorotoluene | 11.360 | 91 | 102310 | 19.135 | ug/l | | 100 |
| 80) 1,3,5-Trimethylbenzene | 11.451 | 105 | 117578 | 18.978 | ug/l | | 99 |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75 | 11580 | 17.458 | ug/l | | 98 |
| 82) 4-Chlorotoluene | 11.451 | 91 | 119868 | 19.210 | ug/l | | 99 |
| 83) tert-Butylbenzene | 11.713 | 119 | 120297 | 18.784 | ug/l | | 99 |
| 84) 1,2,4-Trimethylbenzene | 11.750 | 105 | 120607 | 19.375 | ug/l | | 99 |
| 85) sec-Butylbenzene | 11.884 | 105 | 153024 | 18.906 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 12.006 | 119 | 127562 | 18.679 | ug/l | | 99 |
| 87) 1,3-Dichlorobenzene | 11.963 | 146 | 68264 | 19.297 | ug/l | | 100 |
| 88) 1,4-Dichlorobenzene | 12.036 | 146 | 68897 | 18.961 | ug/l | | 98 |
| 89) n-Butylbenzene | 12.329 | 91 | 120131 | 18.527 | ug/l | | 99 |
| 90) Hexachloroethane | 12.536 | 117 | 20965 | 17.531 | ug/l | | 97 |
| 91) 1,2-Dichlorobenzene | 12.335 | 146 | 65015 | 19.667 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75 | 6956 | 16.737 | ug/l | | 95 |
| 93) 1,2,4-Trichlorobenzene | 13.585 | 180 | 43183 | 18.374 | ug/l | | 97 |
| 94) Hexachlorobutadiene | 13.725 | 225 | 17412 | 17.612 | ug/l | | 99 |
| 95) Naphthalene | 13.774 | 128 | 120273 | 17.962 | ug/l | | 100 |
| 96) 1,2,3-Trichlorobenzene | 13.957 | 180 | 41840 | 18.609 | ug/l | | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046848.D
Acq On : 01 Jul 2025 10:42
Operator : JC/MD
Sample : VX0701WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025

Quant Time: Jul 02 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

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

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

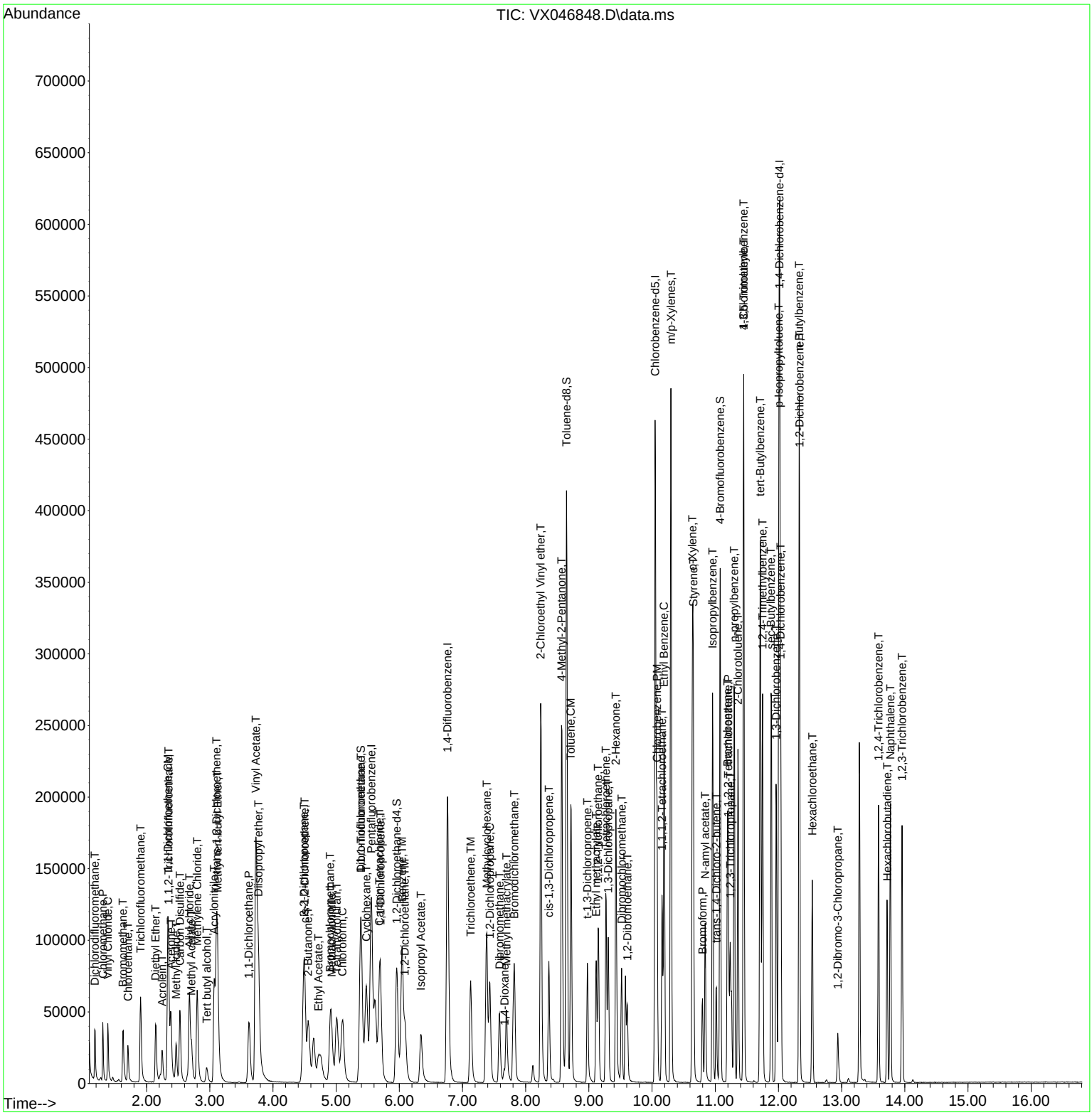
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070125\
Data File : VX046848.D
Acq On : 01 Jul 2025 10:42
Operator : JC/MD
Sample : VX0701WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 01:39:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_X
**ClientSampleId :**
VX0701WBSD01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 07/03/2025
Supervised By :Mahesh Dadoda 07/03/2025



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

# Manual Integration Report

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

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

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

# Manual Integration Report

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

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

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

# Manual Integration Report

| Sequence: | VX070125 | Instrument | MSVOA_x |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VX046844.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:42 AM | MMDadoda | 7/3/2025 3:07:53 PM | Peak Integrated by Software |
| VX0701WBS01 | VX046847.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:46 AM | MMDadoda | 7/3/2025 3:07:55 PM | Peak Integrated by Software |
| VX0701WBSD01 | VX046848.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:50 AM | MMDadoda | 7/3/2025 3:07:57 PM | Peak Integrated by Software |
| VSTDCCC050 | VX046858.D | 1,2,3-Trichloropropane | JOHN | 7/3/2025 8:44:57 AM | MMDadoda | 7/3/2025 3:07:59 PM | Peak Integrated by Software |

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

**Instrument ID: MSVOA_X**

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

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

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

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

M : Manual Integration

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

**Instrument ID: MSVOA_X**

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070125

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/3/2025 8:46:34 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/3/2025 3:08:04 PM | | |
| SubDirectory | VX070125 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134598 |
| Initial Calibration Stds | |
| CCC | VP134599,VP134600 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VX046843.D | 01 Jul 2025 08:11 | JC/MD | Ok |
| 2 | VSTDCCC050 | VX046844.D | 01 Jul 2025 08:53 | JC/MD | Ok,M |
| 3 | VX0701MBL01 | VX046845.D | 01 Jul 2025 09:20 | JC/MD | Ok |
| 4 | VX0701WBL01 | VX046846.D | 01 Jul 2025 09:41 | JC/MD | Ok |
| 5 | VX0701WBS01 | VX046847.D | 01 Jul 2025 10:15 | JC/MD | Ok,M |
| 6 | VX0701WBSD01 | VX046848.D | 01 Jul 2025 10:42 | JC/MD | Ok,M |
| 7 | Q2461-01 | VX046849.D | 01 Jul 2025 11:03 | JC/MD | Ok |
| 8 | Q2460-01 | VX046850.D | 01 Jul 2025 11:23 | JC/MD | Ok |
| 9 | Q2463-01 | VX046851.D | 01 Jul 2025 11:54 | JC/MD | Ok |
| 10 | IBLK | VX046852.D | 01 Jul 2025 12:15 | JC/MD | Ok |
| 11 | Q2455-01 | VX046853.D | 01 Jul 2025 12:36 | JC/MD | Not Ok |
| 12 | Q2455-02 | VX046854.D | 01 Jul 2025 12:57 | JC/MD | Not Ok |
| 13 | Q2455-03 | VX046855.D | 01 Jul 2025 13:18 | JC/MD | Not Ok |
| 14 | IBLK | VX046856.D | 01 Jul 2025 13:39 | JC/MD | Ok |
| 15 | IBLK | VX046857.D | 01 Jul 2025 14:00 | JC/MD | Ok |
| 16 | VSTDCCC050 | VX046858.D | 01 Jul 2025 16:04 | JC/MD | Ok,M |

M : Manual Integration

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

**Instrument ID:** MSVOA_X

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

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

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

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

M : Manual Integration

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**Instrument ID:** MSVOA_X

## Daily Analysis Runlog For Sequence/QCBatch ID # VX070125

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 7/3/2025 8:46:34 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 7/3/2025 3:08:04 PM | | |
| SubDirectory | VX070125 | HP Acquire Method | | HP Processing Method | 82X061725W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP134598 |
| Initial Calibration Stds | |
| CCC | VP134599,VP134600 |
| 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 | VX046843.D | 01 Jul 2025 08:11 | | JC/MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VX046844.D | 01 Jul 2025 08:53 | pH#Lot#V12668 | JC/MD | Ok,M |
| 3 | VX0701MBL01 | VX0701MBL01 | VX046845.D | 01 Jul 2025 09:20 | | JC/MD | Ok |
| 4 | VX0701WBL01 | VX0701WBL01 | VX046846.D | 01 Jul 2025 09:41 | | JC/MD | Ok |
| 5 | VX0701WBS01 | VX0701WBS01 | VX046847.D | 01 Jul 2025 10:15 | | JC/MD | Ok,M |
| 6 | VX0701WBSD01 | VX0701WBSD01 | VX046848.D | 01 Jul 2025 10:42 | | JC/MD | Ok,M |
| 7 | Q2461-01 | SW-3 | VX046849.D | 01 Jul 2025 11:03 | vial A pH<2 | JC/MD | Ok |
| 8 | Q2460-01 | SW-1 | VX046850.D | 01 Jul 2025 11:23 | vial A pH<2 yellow foamy sample | JC/MD | Ok |
| 9 | Q2463-01 | TW-WTS-11 | VX046851.D | 01 Jul 2025 11:54 | vial A pH<2 | JC/MD | Ok |
| 10 | IBLK | IBLK | VX046852.D | 01 Jul 2025 12:15 | | JC/MD | Ok |
| 11 | Q2455-01 | MW1 | VX046853.D | 01 Jul 2025 12:36 | CCC failing Low for com#11, Need lower dilution | JC/MD | Not Ok |
| 12 | Q2455-02 | MW3 | VX046854.D | 01 Jul 2025 12:57 | CCC failing Low for com#11 | JC/MD | Not Ok |
| 13 | Q2455-03 | MW10 | VX046855.D | 01 Jul 2025 13:18 | CCC failing Low for com#11, Need lower dilution | JC/MD | Not Ok |
| 14 | IBLK | IBLK | VX046856.D | 01 Jul 2025 13:39 | | JC/MD | Ok |
| 15 | IBLK | IBLK | VX046857.D | 01 Jul 2025 14:00 | | JC/MD | Ok |
| 16 | VSTDCCC050 | VSTDCCC050EC | VX046858.D | 01 Jul 2025 16:04 | | JC/MD | Ok,M |

M : Manual Integration


# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

# CHAIN OF CUSTODY RECORD

**Alliance Project Number:** 22463

**COC Number:**



## CLIENT INFORMATION

COMPANY: **ENTACT, LLC**
ADDRESS: **150 Bay Street, Suite 806**
CITY: **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Austin Farmerie**
PHONE: 412-716-1366 FAX:

## PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: Austin Farmerie
E-MAIL: **afarmerie@entact.com**
PHONE: **412-716-1366** FAX:

## BILLING INFORMATION

BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
CITY: **Westmont** STATE: **IL** ZIP: **60559**
ATTENTION: **Wendy Murray** PHONE: **800-936-8228**

## DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: _____ DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other _____
- ☐ EDD Format _____

## ANALYSIS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| SVOC-TCL BNA-20 | Flash Point | PCB | BOD5 | TSS | VOC-TCLVOA-10 | Metals ICP-TAL | | |
| E | E | E | E | E | A | B | | |

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | TW-WTS-11 | Surface Water | | X | 6/27 | 11:00 | 7 | X | X | X | X | X | X | X | | |
| 2. | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

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

| | DATE/TIME | | |
|---|---|---|---|
| RELINQUISHED BY SAMPLER 1. **Austin Farmerie** | **06/27/25 11:00** | RECEIVED BY 1. | 1101 6-30-25 |
| RELINQUISHED BY 2. | DATE/TIME | RECEIVED BY 2. | |
| RELINQUISHED BY 3. | DATE/TIME 1300 6-30-25 | RECEIVED FOR LAB BY 3. | |

**Conditions of bottles or coolers at receipt:** ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.8°C ☐ Ice in Cooler?: _____

**Comments:**

Page _____ of _____

**SHIPPED VIA:** CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

**Shipment Complete** ☐ YES ☐ NO

**WHITE** - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

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

# Laboratory Certification

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

QA Control Code: A2070148

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

# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q2463 ENTA05
**Client Name :** ENTACT
**Client Contact :** Austin Farmerie
**Invoice Name :** ENTACT
**Invoice Contact :** Austin Farmerie

**Order Date :** 6/30/2025 11:27:00 AM
**Project Name :** 540 Degraw St, Brooklyn, N
**Receive DateTime :** 6/30/2025 1:00:00 PM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 1
**EDD Type :** Excel NJ
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q2463-01 | TW-WTS-11 | Water | 06/27/2025 | 11:00 | | | | | |
| | | | | | VOCMS Group4 | | 8260-Low | | 5 Bus. Days |

**Relinquished By :**
**Date / Time :** 6-30-25 1315

**Received By :** Sam
**Date / Time :** 06/30/25 13.15

**Storage Area :** VOA Refridgerator Room