

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022221\  
 Data File : VW020355.D  
 Acq On : 22 Feb 2021 12:38  
 Operator : SY/MD  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VICV36

Quant Time: Feb 23 02:18:47 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVTR022221WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Feb 22 12:20:15 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| -----                      |        |      |          |      |       |          |
| Internal Standards         |        |      |          |      |       |          |
| 1) 1,4-Difluorobenzene     | 5.619  | 114  | 325247   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.857  | 117  | 307663   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.255 | 152  | 165282   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 115145   | 5.03     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 100.60% |
| 7) Chloroethane-d5            | 1.568  | 69    | 88953    | 4.94     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 98.80%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 217079   | 4.87     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 97.40%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 190343   | 47.98    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 95.96%  |
| 24) Chloroform-d              | 4.349  | 84    | 196461   | 4.80     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 96246    | 4.83     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 32) Benzene-d6                | 5.050  | 84    | 390919   | 5.07     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 101.40% |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 113189   | 4.96     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                | 7.317  | 98    | 376390   | 5.06     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 101.20% |
| 45) trans-1,3-Dichloroprop... | 7.625  | 79    | 45354    | 5.20     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 104.00% |
| 48) 2-Hexanone-d5             | 8.092  | 63    | 155862   | 50.99    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 101.98% |
| 59) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 77519    | 4.78     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 95.60%  |
| 65) 1,2-Dichlorobenzene-d4    | 11.632 | 152   | 144224   | 4.92     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 98.40%  |

## Target Compounds

|                               |       |     |        |       | Qvalue    |
|-------------------------------|-------|-----|--------|-------|-----------|
| 2) Dichlorodifluoromethane    | 1.127 | 85  | 198633 | 4.90  | ug/L 100  |
| 3) Chloromethane              | 1.240 | 50  | 173132 | 4.84  | ug/L 95   |
| 5) Vinyl chloride             | 1.310 | 62  | 189286 | 4.96  | ug/L 99   |
| 6) Bromomethane               | 1.523 | 94  | 119416 | 4.84  | ug/L 100  |
| 8) Chloroethane               | 1.584 | 64  | 111108 | 4.83  | ug/L 96   |
| 9) Trichlorofluoromethane     | 1.751 | 101 | 255258 | 4.77  | ug/L 98   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114 | 101 | 134804 | 4.73  | ug/L 100  |
| 12) 1,1-Dichloroethene        | 2.118 | 96  | 132819 | 4.80  | ug/L 85   |
| 13) Acetone                   | 2.185 | 43  | 159335 | 44.30 | ug/L # 33 |
| 14) Carbon disulfide          | 2.291 | 76  | 409523 | 4.80  | ug/L 97   |
| 15) Methyl Acetate            | 2.439 | 43  | 40429  | 4.64  | ug/L # 87 |
| 16) Methylene chloride        | 2.507 | 84  | 143156 | 4.80  | ug/L 98   |
| 17) Methyl tert-butyl Ether   | 2.767 | 73  | 271761 | 4.76  | ug/L # 95 |
| 18) trans-1,2-Dichloroethene  | 2.761 | 96  | 138205 | 4.77  | ug/L 96   |
| 19) 1,1-Dichloroethane        | 3.188 | 63  | 241964 | 4.74  | ug/L 97   |
| 21) 2-Butanone                | 3.976 | 43  | 258877 | 47.19 | ug/L 98   |
| 22) cis-1,2-Dichloroethene    | 3.908 | 96  | 145763 | 4.83  | ug/L 95   |
| 23) Bromochloromethane        | 4.249 | 128 | 62913  | 4.78  | ug/L 88   |
| 25) Chloroform                | 4.375 | 83  | 257593 | 4.77  | ug/L 95   |

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 ClientSampleId :  
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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Feb 22 12:20:15 2021  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 147411   | 4.76  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 224318   | 4.88  | ug/L  | 98       |
| 30) Cyclohexane               | 4.677  | 56   | 205216   | 4.98  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 192871   | 4.92  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 548657   | 4.92  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 151536   | 4.84  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 221136   | 4.88  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 130578   | 4.92  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.510  | 83   | 165329   | 4.78  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 183774   | 4.92  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 633584   | 48.08 | ug/L  | 96       |
| 42) Toluene                   | 7.387  | 91   | 600529   | 4.97  | ug/L  | 99       |
| 43) 1,3,5-Trimethylbenzene    | 10.545 | 105  | 546999   | 5.12  | ug/L  | 99       |
| 44) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 557047   | 5.12  | ug/L  | 99       |
| 46) trans-1,3-Dichloropropene | 7.654  | 75   | 152165   | 4.99  | ug/L  | 98       |
| 47) 1,1,2-Trichloroethane     | 7.841  | 97   | 90538    | 4.71  | ug/L  | 92       |
| 49) Tetrachloroethene         | 7.979  | 164  | 124452   | 4.80  | ug/L  | 96       |
| 50) 2-Hexanone                | 8.143  | 43   | 449943   | 48.70 | ug/L  | 93       |
| 51) Dibromochloromethane      | 8.249  | 129  | 110226   | 4.94  | ug/L  | 95       |
| 52) 1,2-Dibromoethane         | 8.355  | 107  | 85659    | 4.92  | ug/L  | 100      |
| 53) Chlorobenzene             | 8.886  | 112  | 384348   | 4.82  | ug/L  | 99       |
| 54) Ethylbenzene              | 9.014  | 91   | 654100   | 4.94  | ug/L  | 99       |
| 55) m,p-xylene                | 9.143  | 106  | 249234   | 5.00  | ug/L  | 99       |
| 56) o-xylene                  | 9.548  | 106  | 241376   | 5.04  | ug/L  | 98       |
| 57) Styrene                   | 9.564  | 104  | 410375   | 5.10  | ug/L  | 93       |
| 58) Isopropylbenzene          | 9.937  | 105  | 653747   | 5.03  | ug/L  | 98       |
| 60) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 94984    | 4.66  | ug/L  | 97       |
| 62) Bromoform                 | 9.738  | 173  | 56345    | 4.85  | ug/L  | 98       |
| 63) 1,3-Dichlorobenzene       | 11.188 | 146  | 320115   | 4.85  | ug/L  | 99       |
| 64) 1,4-Dichlorobenzene       | 11.278 | 146  | 322559   | 4.81  | ug/L  | 99       |
| 66) 1,2-Dichlorobenzene       | 11.648 | 146  | 293903   | 4.90  | ug/L  | 99       |
| 67) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 14229    | 4.83  | ug/L  | 93       |
| 68) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 265611   | 4.96  | ug/L  | 98       |
| 69) 1,2,4-trichlorobenzene    | 13.268 | 180  | 217448   | 5.11  | ug/L  | 99       |
| 70) Naphthalene               | 13.513 | 128  | 318555   | 5.37  | ug/L  | 98       |
| 71) 1,2,3-Trichlorobenzene    | 13.754 | 180  | 189846   | 5.12  | ug/L  | 96       |

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

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