

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102423\  
 Data File : VU055865.D  
 Acq On : 24 Oct 2023 11:53  
 Operator : MD/SY  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV072

Quant Time: Oct 25 05:25:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 25 05:19:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114   | 383113   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 372477   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 190474   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 153574   | 5.067    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 101.400% |
| 7) Chloroethane-d5            | 1.911  | 69    | 112957   | 4.782    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 95.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 65424    | 5.085    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 101.600% |
| 20) 2-Butanone-d5             | 4.628  | 46    | 285188   | 52.748   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 105.500% |
| 24) Chloroform-d              | 5.058  | 84    | 285458   | 5.083    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.600% |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 138323   | 5.056    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.200% |
| 32) Benzene-d6                | 5.724  | 84    | 570085   | 5.138    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.800% |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 168624   | 5.127    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.600% |
| 41) Toluene-d8                | 7.894  | 98    | 524694   | 5.213    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.200% |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 65934    | 5.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 102.600% |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 174913   | 53.563   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.120% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 124468   | 5.196    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 104.000% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 191129   | 5.378    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 107.600% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 116056   | 5.315    | ug/L   | 99       |
| 3) Chloromethane              | 1.518  | 50    | 106847   | 5.125    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.602  | 62    | 120510   | 5.248    | ug/L   | 97       |
| 6) Bromomethane               | 1.856  | 94    | 72595    | 5.103    | ug/L   | 97       |
| 8) Chloroethane               | 1.933  | 64    | 69930    | 5.197    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 174979   | 5.525    | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.579  | 101   | 112239   | 5.395    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.579  | 96    | 98417    | 5.300    | ug/L   | 94       |
| 13) Acetone                   | 2.637  | 43    | 165767   | 53.804   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.792  | 76    | 251277   | 5.285    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.952  | 43    | 35019    | 5.579    | ug/L   | 98       |
| 16) Methylene chloride        | 3.042  | 84    | 112849   | 5.364    | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.361  | 73    | 242615   | 5.384    | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 100396   | 5.453    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.865  | 63    | 197962   | 5.296    | ug/L   | 98       |
| 21) 2-Butanone                | 4.708  | 43    | 251905   | 55.620   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 118447   | 5.314    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.975  | 128   | 48557    | 5.347    | ug/L   | 99       |
| 25) Chloroform                | 5.084  | 83    | 213069   | 5.316    | ug/L   | 99       |

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 Sample : VSTDICV005  
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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV072

Quant Time: Oct 25 05:25:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 25 05:19:13 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.791  | 62   | 120723   | 5.126  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.312  | 97   | 183325   | 5.400  | ug/L  | 98       |
| 30) Cyclohexane               | 5.386  | 56   | 159564   | 5.571  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.521  | 117  | 157040   | 5.423  | ug/L  | 97       |
| 33) Benzene                   | 5.772  | 78   | 437319   | 5.320  | ug/L  | 100      |
| 34) Trichloroethene           | 6.541  | 95   | 124021   | 5.394  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.762  | 83   | 174927   | 5.637  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.788  | 63   | 112418   | 5.151  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.103  | 83   | 146645   | 5.352  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.605  | 75   | 174885   | 5.625  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.788  | 43   | 601855   | 57.205 | ug/L  | 99       |
| 42) Toluene                   | 7.968  | 91   | 475525   | 5.535  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.209  | 75   | 138570   | 5.521  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.396  | 97   | 81377    | 5.303  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.550  | 164  | 87853    | 5.456  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.682  | 43   | 542211   | 65.544 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.807  | 129  | 95035    | 5.641  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 74770    | 5.369  | ug/L  | 97       |
| 51) Chlorobenzene             | 9.444  | 112  | 305667   | 5.429  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.569  | 91   | 536903   | 5.513  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.692  | 106  | 206775   | 5.682  | ug/L  | 96       |
| 54) o-Xylene                  | 10.100 | 106  | 198253   | 5.567  | ug/L  | 99       |
| 55) Styrene                   | 10.113 | 104  | 339029   | 5.939  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.778 | 83   | 95370    | 5.369  | ug/L  | 97       |
| 59) Bromoform                 | 10.290 | 173  | 53426    | 5.514  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.483 | 105  | 545477   | 5.747  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.820 | 75   | 70819    | 5.416  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105  | 442748   | 5.708  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.466 | 105  | 434515   | 6.030  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.743 | 146  | 258276   | 5.740  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 257599   | 5.737  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.209 | 146  | 236051   | 5.714  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.994 | 75   | 14783    | 6.336  | ug/L  | 85       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 185039   | 6.018  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.839 | 180  | 154524   | 6.800  | ug/L  | 100      |
| 71) Naphthalene               | 14.084 | 128  | 265483   | 8.067  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 133087   | 6.793  | ug/L  | 98       |

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

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