

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW071323\  
 Data File : VW031692.D  
 Acq On : 13 Jul 2023 13:00  
 Operator : SY/MD  
 Sample : VSTD0.560  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5260

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/14/2023  
 Supervised By : Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 05:40:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 14 05:39:57 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114  | 175153   | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117  | 185013   | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.191 | 152  | 86178    | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 8028     | 0.518 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 6935     | 0.493 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.063  | 65   | 4480     | 0.563 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.831  | 46   | 15833m   | 3.995 | ug/L   | 0.01     |
| 24) Chloroform-d              | 4.268  | 84   | 15300m   | 0.463 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.963  | 65   | 8240     | 0.488 | ug/L   | 0.01     |
| 32) Benzene-d6                | 4.973  | 84   | 22030    | 0.417 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.002  | 67   | 9395     | 0.480 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.252  | 98   | 18424    | 0.380 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.567  | 79   | 2084     | 0.337 | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.043  | 63   | 8425     | 2.934 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.162 | 84   | 5979     | 0.416 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.570 | 152  | 7296     | 0.486 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 10202    | 0.536 | ug/L   | 97       |
| 3) Chloromethane              | 1.217  | 50   | 10728    | 0.544 | ug/L   | 94       |
| 5) Vinyl chloride             | 1.281  | 62   | 9816     | 0.521 | ug/L   | 95       |
| 6) Bromomethane               | 1.487  | 94   | 6414     | 0.557 | ug/L   | 83       |
| 8) Chloroethane               | 1.548  | 64   | 5257     | 0.481 | ug/L   | 91       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 14140    | 0.520 | ug/L   | 93       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 7992     | 0.535 | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.072  | 96   | 7247     | 0.530 | ug/L # | 80       |
| 13) Acetone                   | 2.127  | 43   | 16301    | 6.558 | ug/L   | 99       |
| 14) Carbon disulfide          | 2.240  | 76   | 22394    | 0.528 | ug/L   | 99       |
| 15) Methyl Acetate            | 2.391  | 43   | 2333     | 0.433 | ug/L # | 75       |
| 16) Methylene chloride        | 2.452  | 84   | 13510    | 0.744 | ug/L   | 96       |
| 17) Methyl tert-butyl Ether   | 2.712  | 73   | 11553    | 0.460 | ug/L   | 95       |
| 18) trans-1,2-Dichloroethene  | 2.696  | 96   | 5717     | 0.484 | ug/L   | 90       |
| 19) 1,1-Dichloroethane        | 3.114  | 63   | 13574    | 0.525 | ug/L # | 90       |
| 21) 2-Butanone                | 3.934  | 43   | 14984m   | 4.566 | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 3.825  | 96   | 5202m    | 0.445 | ug/L   |          |
| 23) Bromochloromethane        | 4.156  | 128  | 2618m    | 0.445 | ug/L   |          |
| 25) Chloroform                | 4.281  | 83   | 13158    | 0.518 | ug/L   | 92       |
| 27) 1,2-Dichloroethane        | 5.063  | 62   | 8091     | 0.506 | ug/L # | 76       |
| 29) 1,1,1-Trichloroethane     | 4.522  | 97   | 11997    | 0.537 | ug/L # | 85       |
| 30) Cyclohexane               | 4.584  | 56   | 6772     | 0.417 | ug/L # | 92       |
| 31) Carbon tetrachloride      | 4.738  | 117  | 10635    | 0.539 | ug/L   | 97       |
| 33) Benzene                   | 5.024  | 78   | 21272    | 0.453 | ug/L   | 100      |
| 34) Trichloroethene           | 5.847  | 95   | 6393     | 0.479 | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.059  | 83   | 7729     | 0.464 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.104  | 63   | 5943     | 0.441 | ug/L # | 97       |
| 38) Bromodichloromethane      | 6.445  | 83   | 8690     | 0.485 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 6.973  | 75   | 6930m    | 0.427 | ug/L   |          |
| 40) 4-Methyl-2-pentanone      | 7.172  | 43   | 25801    | 3.578 | ug/L # | 95       |
| 42) Toluene                   | 7.329  | 91   | 15287m   | 0.340 | ug/L   |          |
| 44) trans-1,3-Dichloropropene | 7.596  | 75   | 5507     | 0.376 | ug/L # | 81       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Quant Time: Jul 14 05:40:17 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 14 05:39:57 2023  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By : John Carlone 07/14/2023  
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|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.780  | 97   | 5143     | 0.513 | ug/L # | 66       |
| 47) Tetrachloroethene         | 7.911  | 164  | 4464     | 0.485 | ug/L   | 91       |
| 48) 2-Hexanone                | 8.095  | 43   | 17792m   | 3.287 | ug/L   |          |
| 49) Dibromochloromethane      | 8.185  | 129  | 3899m    | 0.362 | ug/L   |          |
| 50) 1,2-Dibromoethane         | 8.297  | 107  | 4613     | 0.492 | ug/L # | 92       |
| 51) Chlorobenzene             | 8.821  | 112  | 13484    | 0.450 | ug/L   | 95       |
| 52) Ethylbenzene              | 8.953  | 91   | 16365    | 0.364 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.085  | 106  | 5884     | 0.354 | ug/L   | 100      |
| 54) o-Xylene                  | 9.487  | 106  | 5062     | 0.328 | ug/L   | 71       |
| 55) Styrene                   | 9.516  | 104  | 10478    | 0.360 | ug/L   | 81       |
| 57) 1,1,2,2-Tetrachloroethane | 10.188 | 83   | 4668     | 0.440 | ug/L # | 92       |
| 59) Bromoform                 | 9.673  | 173  | 3078     | 0.535 | ug/L # | 84       |
| 60) Isopropylbenzene          | 9.873  | 105  | 16454    | 0.431 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.220 | 75   | 3684     | 0.481 | ug/L # | 74       |
| 62) 1,3,5-Trimethylbenzene    | 10.484 | 105  | 13295    | 0.432 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.860 | 105  | 12582    | 0.409 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.130 | 146  | 9697     | 0.471 | ug/L   | 88       |
| 65) 1,4-Dichlorobenzene       | 11.217 | 146  | 10672    | 0.490 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 11.587 | 146  | 9730     | 0.493 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.377 | 75   | 467m     | 0.297 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 12.590 | 180  | 8242     | 0.548 | ug/L # | 87       |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 5948     | 0.499 | ug/L   | 88       |
| 71) Naphthalene               | 13.451 | 128  | 8651     | 0.450 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.689 | 180  | 4907     | 0.446 | ug/L   | 84       |
| -----                         |        |      |          |       |        |          |

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

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