

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW022321\  
 Data File : VW018221.D  
 Acq On : 23 Feb 2021 11:12  
 Operator : SY/VA  
 Sample : VSTD2.505  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5105

Manual Integrations  
 APPROVED

Quant Time: Feb 23 13:38:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Feb 23 13:38:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114  | 432360   | 25.00 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117  | 400061   | 25.00 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 207148   | 25.00 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65   | 12234    | 1.71  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.892  | 69   | 9294     | 1.54  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63   | 24918    | 2.05  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.086  | 46   | 4701     | 2.78  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.653  | 84   | 26960    | 2.18  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65   | 13822    | 2.01  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.275  | 84   | 52949    | 2.27  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.268  | 67   | 14691    | 2.22  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.323 | 98   | 50253    | 2.29  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 6171     | 2.11  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 4081     | 3.59  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84   | 12109    | 1.99  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 19492    | 2.55  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014  | 85   | 12996m   | 2.44  | ug/L   |          |
| 3) Chloromethane              | 2.215  | 50   | 10181    | 1.94  | ug/L   | 97       |
| 5) Vinyl chloride             | 2.367  | 62   | 14841    | 1.95  | ug/L   | 98       |
| 6) Bromomethane               | 2.788  | 94   | 10109    | 1.53  | ug/L   | 98       |
| 8) Chloroethane               | 2.934  | 64   | 7769     | 1.60  | ug/L   | 86       |
| 9) Trichlorofluoromethane     | 3.263  | 101  | 8463     | 1.70  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101  | 14069    | 2.24  | ug/L   | 89       |
| 12) 1,1-Dichloroethene        | 4.044  | 96   | 13421    | 2.30  | ug/L   | 89       |
| 13) Acetone                   | 4.135  | 43   | 3760m    | 3.26  | ug/L   |          |
| 14) Carbon disulfide          | 4.391  | 76   | 47333    | 2.76  | ug/L   | 96       |
| 15) Methyl Acetate            | 4.678  | 43   | 4613     | 1.55  | ug/L # | 84       |
| 16) Methylene chloride        | 4.916  | 84   | 18508    | 2.62  | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96   | 13959    | 2.23  | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73   | 13640    | 1.90  | ug/L # | 81       |
| 19) 1,1-Dichloroethane        | 6.220  | 63   | 22159    | 2.09  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96   | 14642    | 2.23  | ug/L   | 93       |
| 22) 2-Butanone                | 7.183  | 43   | 5103     | 2.70  | ug/L   | 90       |
| 23) Bromochloromethane        | 7.513  | 128  | 6887     | 2.27  | ug/L   | 79       |
| 25) Chloroform                | 7.671  | 83   | 24294    | 2.12  | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 14776    | 1.89  | ug/L   | 96       |
| 29) Cyclohexane               | 7.952  | 56   | 18702    | 1.97  | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 19925    | 2.19  | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 18775    | 2.14  | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 52897    | 2.19  | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 14894    | 2.25  | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.329  | 83   | 23763    | 2.16  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 12089    | 2.07  | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.640  | 83   | 16356    | 2.02  | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 17306    | 1.96  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 11086    | 2.90  | ug/L # | 91       |
| 42) Toluene                   | 10.384 | 91   | 56876    | 2.16  | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 15075    | 1.95  | ug/L   | 98       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5105

Manual Integrations  
 APPROVED

Quant Time: Feb 23 13:38:51 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM022321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Feb 23 13:38:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| -----                         |        |      |          |      |        |          |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 9637     | 2.01 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 13231    | 2.59 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 7325     | 2.85 | ug/L # | 91       |
| 49) Dibromochloromethane      | 11.128 | 129  | 11666    | 2.14 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 9455     | 2.02 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 39261    | 2.31 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 64407    | 2.19 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 25064    | 2.21 | ug/L   | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 23180    | 2.19 | ug/L   | 91       |
| 55) Styrene                   | 12.176 | 104  | 38093    | 2.11 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 11120    | 1.89 | ug/L # | 93       |
| 59) Bromoform                 | 12.347 | 173  | 6375     | 2.02 | ug/L # | 93       |
| 60) Isopropylbenzene          | 12.463 | 105  | 61800    | 2.07 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 8189     | 1.80 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 50216    | 2.06 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 50423    | 2.09 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 32015    | 2.45 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 32559    | 2.45 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 28063    | 2.31 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 1682     | 1.69 | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 23653    | 2.54 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 19686    | 2.52 | ug/L   | 99       |
| 71) Naphthalene               | 15.365 | 128  | 31733    | 1.92 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 17433    | 2.47 | ug/L   | 96       |
| -----                         |        |      |          |      |        |          |

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

**Manual Integrations**  
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