

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
 Data File : VW020086.D  
 Acq On : 21 Sep 2021 11:16  
 Operator : SY/VA  
 Sample : VSTD2.558  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5458

Manual Integrations  
 APPROVED

MMDadoda  
 9/23/2021 11:05:11 AM

Quant Time: Sep 22 04:02:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 22 03:59:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114  | 367510   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 341780   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152  | 160844   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65   | 21669    | 2.882  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.897  | 69   | 15930    | 2.813  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63   | 31515    | 2.677  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 7.092  | 46   | 5843     | 5.036  | ug/L   | 0.01     |
| 24) Chloroform-d              | 7.653  | 84   | 32289    | 2.794  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65   | 17396    | 2.797  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.281  | 84   | 58318    | 2.675  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67   | 17342    | 2.748  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.329 | 98   | 50670    | 2.554  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 6554     | 2.430  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 3861     | 4.421  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84   | 12713    | 2.612  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 16997    | 2.818  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.020  | 85   | 7935     | 2.465  | ug/L   | 95       |
| 3) Chloromethane              | 2.215  | 50   | 12921    | 2.903  | ug/L   | 95       |
| 5) Vinyl chloride             | 2.367  | 62   | 17868    | 2.556  | ug/L   | 96       |
| 6) Bromomethane               | 2.788  | 94   | 12273    | 2.716  | ug/L   | 94       |
| 8) Chloroethane               | 2.934  | 64   | 11181    | 2.645  | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.263  | 101  | 11346    | 2.307  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.086  | 101  | 14254m   | 2.652  | ug/L   |          |
| 12) 1,1-Dichloroethene        | 4.044  | 96   | 12028    | 2.467  | ug/L   | 95       |
| 13) Acetone                   | 4.141  | 43   | 5267     | 5.301  | ug/L   | 100      |
| 14) Carbon disulfide          | 4.385  | 76   | 36628    | 2.390  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.684  | 43   | 4865     | 2.560  | ug/L   | 100      |
| 16) Methylene chloride        | 4.922  | 84   | 25575    | 3.944  | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96   | 13120    | 2.555  | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73   | 14365    | 2.357  | ug/L # | 84       |
| 19) 1,1-Dichloroethane        | 6.220  | 63   | 25063    | 2.647  | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96   | 12737    | 2.439  | ug/L   | 97       |
| 22) 2-Butanone                | 7.183  | 43   | 6551     | 5.082  | ug/L # | 70       |
| 23) Bromochloromethane        | 7.525  | 128  | 6307     | 2.664  | ug/L   | 88       |
| 25) Chloroform                | 7.677  | 83   | 26670    | 2.693  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 8.409  | 62   | 17216    | 2.642  | ug/L   | 97       |
| 29) Cyclohexane               | 7.958  | 56   | 16215    | 2.132  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.884  | 97   | 22555    | 2.663  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 19928    | 2.586  | ug/L   | 98       |
| 33) Benzene                   | 8.329  | 78   | 52890    | 2.564  | ug/L   | 100      |
| 34) Trichloroethene           | 9.098  | 95   | 14752    | 2.672  | ug/L   | 99       |
| 35) Methylcyclohexane         | 9.341  | 83   | 19727    | 2.193  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 13695    | 2.681  | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.646  | 83   | 18429    | 2.664  | ug/L # | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 18175    | 2.412  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 12172    | 4.731  | ug/L   | 97       |
| 42) Toluene                   | 10.390 | 91   | 52688    | 2.404  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 15983    | 2.361  | ug/L   | 98       |

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Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD2.5458

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MMDadoda  
 9/23/2021 11:05:11 AM

Quant Time: Sep 22 04:02:59 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 22 03:59:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 10108    | 2.698 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.866 | 164  | 11398    | 2.671 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 7490     | 4.179 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 11311    | 2.584 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 9274     | 2.631 | ug/L # | 85       |
| 51) Chlorobenzene             | 11.658 | 112  | 37130    | 2.605 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 56807    | 2.354 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 20575    | 2.236 | ug/L   | 97       |
| 54) o-Xylene                  | 12.170 | 106  | 18705    | 2.197 | ug/L   | 91       |
| 55) Styrene                   | 12.182 | 104  | 31063    | 2.100 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 11967    | 2.674 | ug/L   | 98       |
| 59) Bromoform                 | 12.353 | 173  | 5990     | 2.731 | ug/L # | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 50015    | 2.319 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.774 | 75   | 8732     | 2.875 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 39631    | 2.239 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 37511    | 2.157 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 27069    | 2.737 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 29077    | 2.845 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 25467    | 2.827 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 1951     | 2.862 | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 19315    | 2.823 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 13767    | 2.608 | ug/L   | 92       |
| 71) Naphthalene               | 15.365 | 128  | 21162    | 2.273 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 12740    | 2.680 | ug/L   | 99       |

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

