

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW093021\  
 Data File : VW020279.D  
 Acq On : 30 Sep 2021 20:08  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025563

Quant Time: Oct 01 01:07:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 01 01:03:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 350891     | 25.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 248797     | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 132252     | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 152935     | 21.305    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 85.200%   |        |          |
| 7) Chloroethane-d5            | 2.898          | 69   | 137019     | 25.337    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 101.360%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 191196     | 17.011    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 68.040%   |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 35227      | 31.801    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 63.600%   |        |          |
| 24) Chloroform-d              | 7.647          | 84   | 219341     | 19.876    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 79.520%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 168765     | 28.415    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 113.680%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 608006     | 38.305    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 153.200%# |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 132832     | 28.916    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 115.680%  |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 414569     | 28.705    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 114.800%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 51067      | 26.009    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 104.040%  |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 29672      | 46.675    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.360%   |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 86026      | 24.278    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 97.120%   |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 137172     | 27.661    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 110.640%  |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014          | 85   | 71939      | 23.407    | ug/L   | 95       |
| 3) Chloromethane              | 2.221          | 50   | 82818      | 19.488    | ug/L   | 100      |
| 5) Vinyl chloride             | 2.367          | 62   | 138940     | 20.820    | ug/L   | 99       |
| 6) Bromomethane               | 2.788          | 94   | 103254     | 23.934    | ug/L   | 97       |
| 8) Chloroethane               | 2.934          | 64   | 98013      | 24.288    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.269          | 101  | 84810      | 18.064    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068          | 101  | 93492      | 18.215    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.050          | 96   | 90021      | 19.345    | ug/L # | 69       |
| 13) Acetone                   | 4.129          | 43   | 21754      | 22.930    | ug/L   | 90       |
| 14) Carbon disulfide          | 4.385          | 76   | 245991     | 16.810    | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672          | 43   | 28987      | 15.978    | ug/L # | 70       |
| 16) Methylene chloride        | 4.922          | 84   | 103293     | 16.683    | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.428          | 96   | 100917     | 20.586    | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.428          | 73   | 123036     | 21.142    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 156474     | 17.306    | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 101405     | 20.340    | ug/L   | 87       |
| 22) 2-Butanone                | 7.171          | 43   | 33020      | 26.827    | ug/L   | 89       |
| 23) Bromochloromethane        | 7.513          | 128  | 47550      | 21.040    | ug/L # | 82       |
| 25) Chloroform                | 7.677          | 83   | 177607     | 18.784    | ug/L   | 96       |

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Quant Time: Oct 01 01:07:52 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Oct 01 01:03:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 165842   | 26.652 | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 128556   | 23.221 | ug/L   | 93       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 152110   | 24.673 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 200225   | 35.695 | ug/L   | 100      |
| 33) Benzene                   | 8.323  | 78   | 542288   | 36.116 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 127126   | 31.627 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 180176   | 27.511 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 96511    | 25.950 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 141548   | 28.106 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 152128   | 27.733 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 86671    | 46.272 | ug/L   | 97       |
| 42) Toluene                   | 10.390 | 91   | 423620   | 26.555 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 122156   | 24.792 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 67830    | 24.873 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.860 | 164  | 83580    | 26.902 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.969 | 43   | 53953    | 41.351 | ug/L # | 94       |
| 49) Dibromochloromethane      | 11.128 | 129  | 86412    | 27.118 | ug/L   | 92       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 63388    | 24.699 | ug/L   | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 269419   | 25.967 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 452461   | 25.751 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 185568   | 27.703 | ug/L   | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 186727   | 30.135 | ug/L   | 100      |
| 55) Styrene                   | 12.183 | 104  | 323224   | 30.020 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 74429    | 22.851 | ug/L   | 97       |
| 59) Bromoform                 | 12.347 | 173  | 47097    | 26.119 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 499996   | 28.196 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 52554    | 21.045 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 400405   | 27.514 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 509596   | 35.646 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 212820   | 26.170 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 213656   | 25.423 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 198970   | 26.864 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 11175    | 19.935 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 173468   | 30.840 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 126483   | 29.137 | ug/L   | 93       |
| 71) Naphthalene               | 15.365 | 128  | 212147   | 27.710 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 122163   | 31.254 | ug/L   | 99       |

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

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