

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW093024\  
 Data File : VW030299.D  
 Acq On : 30 Sep 2024 17:33  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025496

Quant Time: Oct 01 01:04:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 01 01:01:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene     | 8.843  | 114  | 151772   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.629 | 117  | 141341   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152  | 70209    | 25.000 | ug/L  | 0.00     |

|                               |        |       |          |          |            |      |
|-------------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds   |        |       |          |          |            |      |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 32019    | 26.998   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 108.000% |      |
| 7) Chloroethane-d5            | 2.899  | 69    | 24432    | 28.313   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 113.240% |      |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 22517    | 26.010   | ug/L       | 0.01 |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 104.040% |      |
| 21) 2-Butanone-d5             | 7.075  | 46    | 25572    | 53.617   | ug/L       | 0.00 |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 107.240% |      |
| 24) Chloroform-d              | 7.654  | 84    | 103842   | 25.468   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 101.880% |      |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 57836    | 27.176   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 108.720% |      |
| 32) Benzene-d6                | 8.276  | 84    | 200103   | 25.260   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 101.040% |      |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 61044    | 25.621   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 102.480% |      |
| 41) Toluene-d8                | 10.325 | 98    | 183096   | 25.206   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 100.840% |      |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 25597    | 25.829   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 103.320% |      |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 21978    | 55.862   | ug/L       | 0.00 |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 111.720% |      |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 47603    | 26.738   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 106.960% |      |
| 66) 1,2-Dichlorobenzene-d4    | 13.855 | 152   | 60325    | 25.879   | ug/L       | 0.00 |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 103.520% |      |

|                               |       |     |        |        |        |     |
|-------------------------------|-------|-----|--------|--------|--------|-----|
| Target Compounds              |       |     |        |        | Qvalue |     |
| 2) Dichlorodifluoromethane    | 2.015 | 85  | 40250  | 24.263 | ug/L   | 98  |
| 3) Chloromethane              | 2.222 | 50  | 36087  | 27.768 | ug/L   | 98  |
| 5) Vinyl chloride             | 2.381 | 62  | 39285  | 28.436 | ug/L   | 100 |
| 6) Bromomethane               | 2.789 | 94  | 25454  | 27.682 | ug/L   | 93  |
| 8) Chloroethane               | 2.942 | 64  | 22180  | 29.427 | ug/L   | 94  |
| 9) Trichlorofluoromethane     | 3.271 | 101 | 52936  | 29.744 | ug/L   | 96  |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 48852  | 27.552 | ug/L   | 95  |
| 12) 1,1-Dichloroethene        | 4.045 | 96  | 47013  | 26.662 | ug/L   | 93  |
| 13) Acetone                   | 4.125 | 43  | 29823  | 58.947 | ug/L   | 99  |
| 14) Carbon disulfide          | 4.393 | 76  | 154248 | 26.306 | ug/L   | 98  |
| 15) Methyl Acetate            | 4.673 | 43  | 22531  | 27.304 | ug/L   | 97  |
| 16) Methylene chloride        | 4.929 | 84  | 50342  | 21.551 | ug/L   | 97  |
| 17) trans-1,2-Dichloroethene  | 5.423 | 96  | 51364  | 25.093 | ug/L   | 94  |
| 18) Methyl tert-butyl Ether   | 5.429 | 73  | 85122  | 26.146 | ug/L   | 99  |
| 19) 1,1-Dichloroethane        | 6.216 | 63  | 102215 | 26.222 | ug/L   | 96  |
| 20) cis-1,2-Dichloroethene    | 7.173 | 96  | 56787  | 25.110 | ug/L   | 96  |
| 22) 2-Butanone                | 7.173 | 43  | 35135  | 54.324 | ug/L   | 97  |
| 23) Bromochloromethane        | 7.514 | 128 | 24322  | 24.635 | ug/L   | 98  |
| 25) Chloroform                | 7.679 | 83  | 104337 | 25.809 | ug/L   | 94  |

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 ClientSampleId :  
 VSTD025496

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 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 01 01:01:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 73865    | 27.551 | ug/L  | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 88245    | 28.323 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 90227    | 27.557 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 81755    | 27.938 | ug/L  | 96       |
| 33) Benzene                   | 8.325  | 78   | 226163   | 26.271 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 59803    | 26.116 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 98004    | 27.888 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 60035    | 26.431 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.648  | 83   | 75057    | 26.320 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 91732    | 26.338 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 65339    | 55.927 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 246571   | 26.754 | ug/L  | 95       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 78304    | 27.133 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 42022    | 26.253 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 43692    | 25.510 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 50941    | 59.214 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 46555    | 25.845 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 38981    | 25.737 | ug/L  | 91       |
| 51) Chlorobenzene             | 11.660 | 112  | 152151   | 25.547 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 274431   | 26.285 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 105086   | 26.962 | ug/L  | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 97628    | 26.317 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 172477   | 27.254 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 50218    | 26.788 | ug/L  | 97       |
| 59) Bromoform                 | 12.343 | 173  | 26997    | 26.542 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.465 | 105  | 277959   | 27.893 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 36795    | 27.568 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 225092   | 27.925 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 222172   | 27.897 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 119788   | 26.898 | ug/L  | 89       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 118202   | 25.982 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 106274   | 26.767 | ug/L  | 86       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 8685     | 28.400 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 80210    | 26.095 | ug/L  | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 68705    | 26.997 | ug/L  | 93       |
| 71) Naphthalene               | 15.360 | 128  | 133864   | 28.758 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 59594    | 26.753 | ug/L  | 96       |

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

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