

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100620\  
 Data File : VW016788.D  
 Acq On : 06 Oct 2020 09:13  
 Operator : SY/VA  
 Sample : VSTDICV025  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV106

Quant Time: Oct 07 02:02:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM100620SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 06 11:26:35 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 569242   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 514400   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 252234   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 136654   | 27.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.24% |
| 7) Chloroethane-d5             | 2.89   | 69    | 112335   | 24.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.56%  |
| 11) 1,1-Dichloroethene-d2      | 4.03   | 63    | 292896   | 25.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 103.36% |
| 21) 2-Butanone-d5              | 7.08   | 46    | 55567    | 46.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 93.82%  |
| 24) Chloroform-d               | 7.65   | 84    | 288237   | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.16%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 137031   | 24.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 98.72%  |
| 32) Benzene-d6                 | 8.27   | 84    | 572865   | 25.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.32% |
| 36) 1,2-Dichloropropane-d6     | 9.27   | 67    | 153078   | 24.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.84%  |
| 41) Toluene-d8                 | 10.32  | 98    | 546951   | 25.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.20% |
| 43) trans-1,3-Dichloropropene- | 10.58  | 79    | 68777    | 25.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 103.12% |
| 47) 2-Hexanone-d5              | 10.92  | 63    | 46813    | 50.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.00% |
| 56) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 116882   | 24.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.64%  |
| 66) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 196234   | 25.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.16% |

## Target Compounds

|                                |      |     |        |        | Ovalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 2.01 | 85  | 184531 | 26.318 | ug/L 97  |
| 3) Chloromethane               | 2.21 | 50  | 158812 | 26.874 | ug/L 98  |
| 5) Vinyl chloride              | 2.37 | 62  | 205455 | 28.621 | ug/L 100 |
| 6) Bromomethane                | 2.78 | 94  | 145410 | 25.789 | ug/L 96  |
| 8) Chloroethane                | 2.93 | 64  | 126561 | 26.044 | ug/L 96  |
| 9) Trichlorofluoromethane      | 3.26 | 101 | 150419 | 26.726 | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 4.07 | 101 | 203125 | 26.283 | ug/L 99  |
| 12) 1,1-Dichloroethene         | 4.04 | 96  | 195315 | 26.944 | ug/L 99  |
| 13) Acetone                    | 4.12 | 43  | 46461  | 44.910 | ug/L 98  |
| 14) Carbon disulfide           | 4.39 | 76  | 564900 | 27.744 | ug/L 97  |
| 15) Methyl Acetate             | 4.67 | 43  | 56492  | 24.890 | ug/L 99  |
| 16) Methylene chloride         | 4.92 | 84  | 185060 | 22.731 | ug/L 98  |
| 17) trans-1,2-Dichloroethene   | 5.43 | 96  | 205506 | 26.590 | ug/L 98  |
| 18) Methyl tert-butyl Ether    | 5.43 | 73  | 208949 | 25.942 | ug/L 100 |
| 19) 1,1-Dichloroethane         | 6.22 | 63  | 310626 | 26.049 | ug/L 99  |
| 20) cis-1,2-Dichloroethene     | 7.17 | 96  | 203683 | 26.024 | ug/L 99  |
| 22) 2-Butanone                 | 7.17 | 43  | 72498  | 49.211 | ug/L 96  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 7.51  | 128  | 96420    | 26.118 | ug/L  | 97       |
| 25) Chloroform                 | 7.68  | 83   | 335639   | 26.145 | ug/L  | 97       |
| 27) 1,2-Dichloroethane         | 8.40  | 62   | 196476   | 25.899 | ug/L  | 100      |
| 29) Cyclohexane                | 7.96  | 56   | 291343   | 27.468 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane      | 7.87  | 97   | 293213   | 27.238 | ug/L  | 99       |
| 31) Carbon tetrachloride       | 8.07  | 117  | 288173   | 27.432 | ug/L  | 98       |
| 33) Benzene                    | 8.32  | 78   | 737075   | 26.655 | ug/L  | 100      |
| 34) Trichloroethene            | 9.09  | 95   | 208288   | 26.474 | ug/L  | 98       |
| 35) Methylcyclohexane          | 9.34  | 83   | 360161   | 27.538 | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 9.37  | 63   | 164817   | 26.251 | ug/L  | 100      |
| 38) Bromodichloromethane       | 9.65  | 83   | 230484   | 26.300 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene    | 10.07 | 75   | 265692   | 26.864 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone       | 10.21 | 43   | 162854   | 52.272 | ug/L  | 99       |
| 42) Toluene                    | 10.39 | 91   | 820328   | 26.715 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 10.61 | 75   | 227543   | 27.029 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane      | 10.79 | 97   | 131921   | 25.961 | ug/L  | 96       |
| 46) Tetrachloroethene          | 10.87 | 164  | 194788   | 26.989 | ug/L  | 97       |
| 48) 2-Hexanone                 | 10.97 | 43   | 110165   | 53.360 | ug/L  | 100      |
| 49) Dibromochloromethane       | 11.13 | 129  | 166583   | 26.636 | ug/L  | 95       |
| 50) 1,2-Dibromoethane          | 11.24 | 107  | 129480   | 26.463 | ug/L  | 96       |
| 51) Chlorobenzene              | 11.66 | 112  | 548205   | 26.722 | ug/L  | 99       |
| 52) Ethylbenzene               | 11.73 | 91   | 930939   | 27.032 | ug/L  | 97       |
| 53) m,p-Xylene                 | 11.84 | 106  | 362732   | 26.953 | ug/L  | 98       |
| 54) o-Xylene                   | 12.17 | 106  | 343066   | 26.936 | ug/L  | 93       |
| 55) Styrene                    | 12.18 | 104  | 585926   | 27.798 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 142680   | 26.101 | ug/L  | 99       |
| 59) Bromoform                  | 12.35 | 173  | 97117    | 27.392 | ug/L  | 98       |
| 60) Isopropylbenzene           | 12.46 | 105  | 949242   | 28.282 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 12.77 | 75   | 103137   | 26.606 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 784370   | 28.310 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 745396   | 28.625 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene        | 13.50 | 146  | 446926   | 27.575 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene        | 13.58 | 146  | 438996   | 27.394 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene        | 13.87 | 146  | 390695   | 28.022 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 22716    | 27.984 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 347586   | 29.116 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene     | 15.13 | 180  | 270932   | 28.208 | ug/L  | 96       |
| 71) Naphthalene                | 15.36 | 128  | 458176   | 29.878 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 239377   | 29.292 | ug/L  | 99       |

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

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