

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091820\  
 Data File : VW016581.D  
 Acq On : 18 Sep 2020 12:55  
 Operator : SY/VA  
 Sample : VSTDICV050  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV104

Quant Time: Sep 19 00:19:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM091820SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 18 13:07:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 596763   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 541090   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 257944   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 178893   | 26.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.36% |
| 7) Chloroethane-d5             | 2.90   | 69    | 142254   | 25.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.96% |
| 11) 1,1-Dichloroethene-d2      | 4.03   | 63    | 358006   | 25.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 101.80% |
| 21) 2-Butanone-d5              | 7.09   | 46    | 76292    | 50.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.22% |
| 24) Chloroform-d               | 7.65   | 84    | 372619   | 26.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 106.00% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 188531   | 26.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.04% |
| 32) Benzene-d6                 | 8.28   | 84    | 713913   | 25.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 103.32% |
| 36) 1,2-Dichloropropane-d6     | 9.27   | 67    | 196719   | 25.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.52% |
| 41) Toluene-d8                 | 10.33  | 98    | 695326   | 25.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 103.16% |
| 43) trans-1,3-Dichloropropene- | 10.58  | 79    | 96848    | 26.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 105.08% |
| 47) 2-Hexanone-d5              | 10.93  | 63    | 62774    | 52.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.96% |
| 56) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 152701   | 25.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.24% |
| 66) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 250176   | 26.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 107.12% |

## Target Compounds

|                                |      |     |        |             | Ovalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 2.03 | 85  | 158400 | 22.013 ug/L | 90     |
| 3) Chloromethane               | 2.22 | 50  | 131891 | 23.129 ug/L | 97     |
| 5) Vinyl chloride              | 2.37 | 62  | 185935 | 22.746 ug/L | 100    |
| 6) Bromomethane                | 2.79 | 94  | 140330 | 22.347 ug/L | 99     |
| 8) Chloroethane                | 2.94 | 64  | 110952 | 22.834 ug/L | 99     |
| 9) Trichlorofluoromethane      | 3.27 | 101 | 163990 | 21.152 ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 4.08 | 101 | 181481 | 23.581 ug/L | 97     |
| 12) 1,1-Dichloroethene         | 4.05 | 96  | 174872 | 22.718 ug/L | 91     |
| 13) Acetone                    | 4.15 | 43  | 43188  | 42.466 ug/L | 97     |
| 14) Carbon disulfide           | 4.40 | 76  | 526138 | 23.017 ug/L | 99     |
| 15) Methyl Acetate             | 4.68 | 43  | 57097  | 22.873 ug/L | 99     |
| 16) Methylene chloride         | 4.92 | 84  | 178920 | 20.458 ug/L | 96     |
| 17) trans-1,2-Dichloroethene   | 5.44 | 96  | 182737 | 22.882 ug/L | 96     |
| 18) Methyl tert-butyl Ether    | 5.43 | 73  | 228468 | 23.290 ug/L | 99     |
| 19) 1,1-Dichloroethane         | 6.22 | 63  | 290682 | 22.978 ug/L | 98     |
| 20) cis-1,2-Dichloroethene     | 7.17 | 96  | 192167 | 23.150 ug/L | 96     |
| 22) 2-Butanone                 | 7.18 | 43  | 70708  | 40.893 ug/L | 99     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091820\  
 Data File : VW016581.D  
 Acq On : 18 Sep 2020 12:55  
 Operator : SY/VA  
 Sample : VSTDICV050  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV104

Quant Time: Sep 19 00:19:41 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM091820SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 18 13:07:26 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 7.52  | 128  | 91995    | 23.571 | ug/L  | 97       |
| 25) Chloroform                 | 7.68  | 83   | 318031   | 22.980 | ug/L  | 99       |
| 27) 1,2-Dichloroethane         | 8.40  | 62   | 198735   | 23.128 | ug/L  | 99       |
| 29) Cyclohexane                | 7.96  | 56   | 264079   | 21.860 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane      | 7.88  | 97   | 289967   | 22.491 | ug/L  | 99       |
| 31) Carbon tetrachloride       | 8.07  | 117  | 282505   | 22.501 | ug/L  | 99       |
| 33) Benzene                    | 8.33  | 78   | 668419   | 22.299 | ug/L  | 100      |
| 34) Trichloroethene            | 9.09  | 95   | 191749   | 22.301 | ug/L  | 97       |
| 35) Methylcyclohexane          | 9.34  | 83   | 319795   | 22.266 | ug/L  | 99       |
| 37) 1,2-Dichloropropane        | 9.37  | 63   | 155744   | 22.787 | ug/L  | 100      |
| 38) Bromodichloromethane       | 9.65  | 83   | 231937   | 22.883 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene    | 10.07 | 75   | 263662   | 22.599 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone       | 10.21 | 43   | 167737   | 43.801 | ug/L  | 99       |
| 42) Toluene                    | 10.39 | 91   | 753670   | 22.318 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene  | 10.61 | 75   | 228748   | 22.860 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 10.79 | 97   | 126166   | 22.727 | ug/L  | 98       |
| 46) Tetrachloroethene          | 10.87 | 164  | 168495   | 21.725 | ug/L  | 97       |
| 48) 2-Hexanone                 | 10.97 | 43   | 109018   | 45.782 | ug/L  | 99       |
| 49) Dibromochloromethane       | 11.13 | 129  | 171760   | 23.572 | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 11.24 | 107  | 124757   | 22.691 | ug/L  | 100      |
| 51) Chlorobenzene              | 11.66 | 112  | 498709   | 22.270 | ug/L  | 100      |
| 52) Ethylbenzene               | 11.73 | 91   | 847079   | 22.279 | ug/L  | 100      |
| 53) m,p-Xylene                 | 11.84 | 106  | 330468   | 22.311 | ug/L  | 96       |
| 54) o-Xylene                   | 12.17 | 106  | 313777   | 22.381 | ug/L  | 97       |
| 55) Styrene                    | 12.18 | 104  | 534170   | 22.883 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 133231   | 22.291 | ug/L  | 100      |
| 59) Bromoform                  | 12.35 | 173  | 96847    | 23.258 | ug/L  | 99       |
| 60) Isopropylbenzene           | 12.47 | 105  | 868665   | 23.066 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane     | 12.77 | 75   | 97743    | 22.994 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 712299   | 22.984 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 718554   | 23.328 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene        | 13.50 | 146  | 397055   | 22.974 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene        | 13.58 | 146  | 389099   | 22.954 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene        | 13.87 | 146  | 351681   | 22.999 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 22258    | 22.277 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 282359   | 22.134 | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene     | 15.13 | 180  | 229590   | 22.285 | ug/L  | 98       |
| 71) Naphthalene                | 15.37 | 128  | 394398   | 22.811 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 189286   | 21.882 | ug/L  | 97       |

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091820\  
Data File : VW016581.D  
Acq On : 18 Sep 2020 12:55  
Operator : SY/VA  
Sample : VSTDICV050  
Misc : 5.00G/10ML/MSVOA W/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VICV104

Quant Time: Sep 19 00:19:41 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM091820SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Sep 18 13:07:26 2020  
Response via : Initial Calibration

