

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091820\  
 Data File : VW016579.D  
 Acq On : 18 Sep 2020 11:22  
 Operator : SY/VA  
 Sample : VSTD050102  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD050102

Quant Time: Sep 18 12:53:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM091820SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 18 12:48:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 591854   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 526566   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 261311   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |      |      |
|--------------------------------|-------|-----|---------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.37  | 65  | 329119  | 49.78 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.90  | 69  | 267909  | 49.36 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 4.03  | 63  | 690893  | 49.52 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 7.09  | 46  | 137349  | 91.87 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.65  | 84  | 696830  | 49.97 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.31  | 65  | 347240  | 48.76 | ug/L | 0.00 |
| 32) Benzene-d6                 | 8.28  | 84  | 1309829 | 48.70 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 9.28  | 67  | 361826  | 48.92 | ug/L | 0.00 |
| 41) Toluene-d8                 | 10.33 | 98  | 1294099 | 49.33 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.59 | 79  | 181922  | 50.71 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 10.93 | 63  | 115479  | 99.21 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 279406  | 48.53 | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 13.86 | 152 | 459100  | 48.51 | ug/L | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue   |
|--------------------------------|-------|-----|---------|--------|----------|
| 2) Dichlorodifluoromethane     | 2.02  | 85  | 353064  | 49.473 | ug/L 91  |
| 3) Chloromethane               | 2.23  | 50  | 281332  | 49.744 | ug/L 96  |
| 5) Vinyl chloride              | 2.37  | 62  | 394676  | 48.683 | ug/L 99  |
| 6) Bromomethane                | 2.79  | 94  | 307613  | 49.392 | ug/L 98  |
| 8) Chloroethane                | 2.94  | 64  | 238514  | 49.493 | ug/L 97  |
| 9) Trichlorofluoromethane      | 3.28  | 101 | 410248  | 53.353 | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 385329  | 50.484 | ug/L 99  |
| 12) 1,1-Dichloroethene         | 4.05  | 96  | 383833  | 50.268 | ug/L 93  |
| 13) Acetone                    | 4.14  | 43  | 87976   | 85.194 | ug/L 98  |
| 14) Carbon disulfide           | 4.39  | 76  | 1136883 | 50.148 | ug/L 100 |
| 15) Methyl Acetate             | 4.68  | 43  | 119856  | 48.412 | ug/L 99  |
| 16) Methylene chloride         | 4.93  | 84  | 363469  | 41.904 | ug/L 97  |
| 17) trans-1,2-Dichloroethene   | 5.44  | 96  | 397907  | 50.238 | ug/L 95  |
| 18) Methyl tert-butyl Ether    | 5.43  | 73  | 476382  | 48.966 | ug/L 100 |
| 19) 1,1-Dichloroethane         | 6.23  | 63  | 631991  | 50.373 | ug/L 99  |
| 20) cis-1,2-Dichloroethene     | 7.18  | 96  | 413842  | 50.267 | ug/L 97  |
| 22) 2-Butanone                 | 7.18  | 43  | 145363  | 84.766 | ug/L 100 |
| 23) Bromochloromethane         | 7.52  | 128 | 193883  | 50.089 | ug/L 98  |
| 25) Chloroform                 | 7.68  | 83  | 685905  | 49.973 | ug/L 98  |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 420419  | 49.332 | ug/L 99  |
| 29) Cyclohexane                | 7.96  | 56  | 578785  | 49.233 | ug/L 100 |
| 30) 1,1,1-Trichloroethane      | 7.88  | 97  | 625262  | 49.835 | ug/L 99  |
| 31) Carbon tetrachloride       | 8.07  | 117 | 619805  | 50.728 | ug/L 100 |
| 33) Benzene                    | 8.33  | 78  | 1429024 | 48.989 | ug/L 100 |
| 34) Trichloroethene            | 9.10  | 95  | 417685  | 49.918 | ug/L 97  |
| 35) Methylcyclohexane          | 9.34  | 83  | 705378  | 50.467 | ug/L 100 |
| 37) 1,2-Dichloropropane        | 9.37  | 63  | 330918  | 49.752 | ug/L 99  |
| 38) Bromodichloromethane       | 9.65  | 83  | 499411  | 50.631 | ug/L 99  |
| 39) cis-1,3-Dichloropropene    | 10.08 | 75  | 577491  | 50.863 | ug/L 98  |
| 40) 4-Methyl-2-pentanone       | 10.21 | 43  | 356836  | 95.750 | ug/L 99  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 10.39 | 91   | 1647332  | 50.127  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene  | 10.61 | 75   | 495952   | 50.930  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 10.79 | 97   | 268138   | 49.634  | ug/L  | 98       |
| 46) Tetrachloroethene          | 10.87 | 164  | 374701   | 49.644  | ug/L  | 95       |
| 48) 2-Hexanone                 | 10.97 | 43   | 236051   | 100.359 | ug/L  | 99       |
| 49) Dibromochloromethane       | 11.13 | 129  | 360465   | 50.833  | ug/L  | 97       |
| 50) 1,2-Dibromoethane          | 11.24 | 107  | 264237   | 49.386  | ug/L  | 98       |
| 51) Chlorobenzene              | 11.66 | 112  | 1087051  | 49.883  | ug/L  | 98       |
| 52) Ethylbenzene               | 11.73 | 91   | 1860414  | 50.280  | ug/L  | 99       |
| 53) m,p-Xylene                 | 11.84 | 106  | 736507   | 51.095  | ug/L  | 98       |
| 54) o-Xylene                   | 12.17 | 106  | 687205   | 50.370  | ug/L  | 94       |
| 55) Styrene                    | 12.18 | 104  | 1177627  | 51.840  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane  | 12.72 | 83   | 288440   | 49.590  | ug/L  | 99       |
| 59) Bromoform                  | 12.35 | 173  | 214364   | 50.817  | ug/L  | 99       |
| 60) Isopropylbenzene           | 12.47 | 105  | 1913135  | 50.146  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 12.77 | 75   | 209238   | 48.590  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 1587713  | 50.571  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene     | 13.26 | 105  | 1565417  | 50.166  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene        | 13.50 | 146  | 863036   | 49.292  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene        | 13.58 | 146  | 866973   | 50.487  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene        | 13.87 | 146  | 775758   | 50.079  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 48565    | 47.979  | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 650156   | 50.309  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene     | 15.14 | 180  | 536272   | 51.381  | ug/L  | 98       |
| 71) Naphthalene                | 15.37 | 128  | 899713   | 51.367  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 428348   | 48.879  | ug/L  | 95       |

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

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