

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100620\  
 Data File : VW016791.D  
 Acq On : 06 Oct 2020 12:01  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025108

Quant Time: Oct 07 02:02:51 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  | 546332   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 508847   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 262395   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 126839   | 26.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 104.68% |
| 7) Chloroethane-d5             | 2.89   | 69    | 107548   | 24.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 96.32%  |
| 11) 1,1-Dichloroethene-d2      | 4.03   | 63    | 273082   | 25.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 100.40% |
| 21) 2-Butanone-d5              | 7.07   | 46    | 63788    | 56.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 112.20% |
| 24) Chloroform-d               | 7.65   | 84    | 283317   | 25.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.56% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 141997   | 26.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.60% |
| 32) Benzene-d6                 | 8.27   | 84    | 554986   | 24.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.24%  |
| 36) 1,2-Dichloropropane-d6     | 9.27   | 67    | 149880   | 24.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 10.32  | 98    | 529728   | 24.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.08%  |
| 43) trans-1,3-Dichloropropene- | 10.58  | 79    | 70195    | 26.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 106.40% |
| 47) 2-Hexanone-d5              | 10.93  | 63    | 52752    | 56.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 113.92% |
| 56) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 129292   | 27.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 110.32% |
| 66) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 195918   | 24.27    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.08%  |

## Target Compounds

|                                |      |     |        |        | Ovalue   |
|--------------------------------|------|-----|--------|--------|----------|
| 2) Dichlorodifluoromethane     | 2.01 | 85  | 172097 | 25.574 | ug/L 99  |
| 3) Chloromethane               | 2.21 | 50  | 141888 | 25.017 | ug/L 98  |
| 5) Vinyl chloride              | 2.37 | 62  | 188866 | 27.413 | ug/L 99  |
| 6) Bromomethane                | 2.78 | 94  | 132775 | 24.536 | ug/L 94  |
| 8) Chloroethane                | 2.93 | 64  | 115156 | 24.690 | ug/L 96  |
| 9) Trichlorofluoromethane      | 3.26 | 101 | 120357 | 22.281 | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 4.07 | 101 | 179611 | 24.215 | ug/L 100 |
| 12) 1,1-Dichloroethene         | 4.04 | 96  | 177161 | 25.465 | ug/L 94  |
| 13) Acetone                    | 4.12 | 43  | 49631  | 49.986 | ug/L 99  |
| 14) Carbon disulfide           | 4.39 | 76  | 504872 | 25.835 | ug/L 100 |
| 15) Methyl Acetate             | 4.67 | 43  | 61774  | 28.359 | ug/L 99  |
| 16) Methylene chloride         | 4.92 | 84  | 170914 | 21.874 | ug/L 99  |
| 17) trans-1,2-Dichloroethene   | 5.42 | 96  | 187037 | 25.215 | ug/L 96  |
| 18) Methyl tert-butyl Ether    | 5.42 | 73  | 204877 | 26.503 | ug/L 100 |
| 19) 1,1-Dichloroethane         | 6.21 | 63  | 289289 | 25.277 | ug/L 97  |
| 20) cis-1,2-Dichloroethene     | 7.17 | 96  | 194421 | 25.882 | ug/L 100 |
| 22) 2-Butanone                 | 7.17 | 43  | 80008  | 56.586 | ug/L 99  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane         | 7.51  | 128  | 94606    | 26.701 | ug/L  | 96       |
| 25) Chloroform                 | 7.67  | 83   | 318360   | 25.838 | ug/L  | 98       |
| 27) 1,2-Dichloroethane         | 8.40  | 62   | 194095   | 26.658 | ug/L  | 99       |
| 29) Cyclohexane                | 7.95  | 56   | 256729   | 24.469 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane      | 7.87  | 97   | 262800   | 24.679 | ug/L  | 99       |
| 31) Carbon tetrachloride       | 8.07  | 117  | 260718   | 25.089 | ug/L  | 99       |
| 33) Benzene                    | 8.32  | 78   | 685627   | 25.065 | ug/L  | 100      |
| 34) Trichloroethene            | 9.09  | 95   | 192558   | 24.742 | ug/L  | 97       |
| 35) Methylcyclohexane          | 9.34  | 83   | 322098   | 24.897 | ug/L  | 98       |
| 37) 1,2-Dichloropropane        | 9.37  | 63   | 157770   | 25.403 | ug/L  | 99       |
| 38) Bromodichloromethane       | 9.65  | 83   | 226358   | 26.111 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene    | 10.07 | 75   | 258993   | 26.472 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone       | 10.21 | 43   | 177676   | 57.652 | ug/L  | 100      |
| 42) Toluene                    | 10.39 | 91   | 769614   | 25.337 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 10.60 | 75   | 225980   | 27.136 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane      | 10.79 | 97   | 132385   | 26.336 | ug/L  | 98       |
| 46) Tetrachloroethene          | 10.86 | 164  | 167691   | 23.488 | ug/L  | 87       |
| 48) 2-Hexanone                 | 10.97 | 43   | 120273   | 58.892 | ug/L  | 99       |
| 49) Dibromochloromethane       | 11.13 | 129  | 166144   | 26.856 | ug/L  | 94       |
| 50) 1,2-Dibromoethane          | 11.24 | 107  | 131321   | 27.132 | ug/L  | 100      |
| 51) Chlorobenzene              | 11.66 | 112  | 504266   | 24.848 | ug/L  | 98       |
| 52) Ethylbenzene               | 11.73 | 91   | 864370   | 25.373 | ug/L  | 99       |
| 53) m,p-Xylene                 | 11.84 | 106  | 339336   | 25.489 | ug/L  | 92       |
| 54) o-Xylene                   | 12.16 | 106  | 318939   | 25.315 | ug/L  | 92       |
| 55) Styrene                    | 12.18 | 104  | 552484   | 26.498 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 150730   | 27.875 | ug/L  | 98       |
| 59) Bromoform                  | 12.35 | 173  | 99624    | 27.011 | ug/L  | 98       |
| 60) Isopropylbenzene           | 12.46 | 105  | 872786   | 24.997 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane     | 12.77 | 75   | 109840   | 27.237 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 730803   | 25.355 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 676096   | 24.958 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene        | 13.50 | 146  | 413873   | 24.547 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene        | 13.58 | 146  | 404947   | 24.291 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene        | 13.87 | 146  | 378507   | 26.096 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 23936    | 28.345 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 317835   | 25.593 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene     | 15.13 | 180  | 258995   | 25.921 | ug/L  | 98       |
| 71) Naphthalene                | 15.37 | 128  | 455601   | 28.560 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 218741   | 25.731 | ug/L  | 95       |

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

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