

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\  
 Data File : VW014971.D  
 Acq On : 13 Feb 2020 10:13  
 Operator : SY/VA  
 Sample : VSTD00502  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD005302

Manual Integrations  
 APPROVED

MMDadoda  
 2/14/2020 4:28:39 PM

Quant Time: Feb 13 11:52:40 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM021320SMA.M

Quant Title : SFAM01.0

QLast Update : Thu Feb 13 11:44:58 2020

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 738374   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 674929   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 288089   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |      |      |      |
|--------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3           | 2.36  | 65  | 70980  | 7.00 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.89  | 69  | 54631  | 6.18 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 4.02  | 63  | 125958 | 7.04 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 7.08  | 46  | 35175m | 7.87 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.65  | 84  | 119329 | 7.20 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.31  | 65  | 67079  | 6.93 | ug/L | 0.00 |
| 32) Benzene-d6                 | 8.27  | 84  | 226789 | 6.29 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 9.27  | 67  | 77524  | 6.98 | ug/L | 0.00 |
| 41) Toluene-d8                 | 10.32 | 98  | 182159 | 5.48 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.57 | 79  | 27295  | 4.87 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 10.92 | 63  | 20525  | 5.34 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 54706  | 4.54 | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 13.85 | 152 | 52586  | 5.08 | ug/L | 0.00 |

#### Target Compounds

|                                |       |     |        |              | Qvalue |
|--------------------------------|-------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 38749  | 3.358 ug/L   | 95     |
| 3) Chloromethane               | 2.21  | 50  | 70766  | 5.613 ug/L   | 99     |
| 5) Vinyl chloride              | 2.36  | 62  | 94735  | 7.142 ug/L   | 96     |
| 6) Bromomethane                | 2.78  | 94  | 42169  | 5.464 ug/L   | 96     |
| 8) Chloroethane                | 2.93  | 64  | 49753  | 6.502 ug/L   | 100    |
| 9) Trichlorofluoromethane      | 3.26  | 101 | 34856  | 2.239 ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 58389  | 6.041 ug/L   | 98     |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 54024  | 5.665 ug/L   | 98     |
| 13) Acetone                    | 4.12  | 43  | 39316  | 7.626 ug/L   | 95     |
| 14) Carbon disulfide           | 4.39  | 76  | 202137 | 6.276 ug/L   | 98     |
| 15) Methyl Acetate             | 4.67  | 43  | 33242  | 4.172 ug/L   | 99     |
| 16) Methylene chloride         | 4.92  | 84  | 75193  | 6.096 ug/L   | 98     |
| 17) trans-1,2-Dichloroethene   | 5.43  | 96  | 54613  | 5.114 ug/L   | 93     |
| 18) Methyl tert-butyl Ether    | 5.43  | 73  | 63860  | 2.165 ug/L # | 87     |
| 19) 1,1-Dichloroethane         | 6.21  | 63  | 125922 | 6.906 ug/L   | 100    |
| 20) cis-1,2-Dichloroethene     | 7.17  | 96  | 53983  | 4.602 ug/L   | 100    |
| 22) 2-Butanone                 | 7.17  | 43  | 42322  | 6.557 ug/L   | 100    |
| 23) Bromochloromethane         | 7.51  | 128 | 23240  | 4.482 ug/L   | 92     |
| 25) Chloroform                 | 7.68  | 83  | 114939 | 6.371 ug/L   | 99     |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 81312  | 6.357 ug/L   | 100    |
| 29) Cyclohexane                | 7.96  | 56  | 96729  | 5.134 ug/L   | 100    |
| 30) 1,1,1-Trichloroethane      | 7.87  | 97  | 86676  | 5.724 ug/L   | 98     |
| 31) Carbon tetrachloride       | 8.07  | 117 | 77107  | 5.774 ug/L   | 99     |
| 33) Benzene                    | 8.32  | 78  | 259367 | 6.029 ug/L   | 100    |
| 34) Trichloroethene            | 9.09  | 95  | 60558  | 5.516 ug/L   | 97     |
| 35) Methylcyclohexane          | 9.34  | 83  | 96552  | 4.772 ug/L   | 97     |
| 37) 1,2-Dichloropropane        | 9.37  | 63  | 72007  | 6.643 ug/L   | 99     |
| 38) Bromodichloromethane       | 9.65  | 83  | 77992  | 5.621 ug/L   | 100    |
| 39) cis-1,3-Dichloropropene    | 10.07 | 75  | 84007  | 4.575 ug/L   | 99     |
| 40) 4-Methyl-2-pentanone       | 10.21 | 43  | 82418  | 7.003 ug/L   | 97     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021320\  
 Data File : VW014971.D  
 Acq On : 13 Feb 2020 10:13  
 Operator : SY/VA  
 Sample : VSTD00502  
 Misc : 5.00G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD005302

Manual Integrations  
 APPROVED

MMDadoda  
 2/14/2020 4:28:39 PM

Quant Time: Feb 13 11:52:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SFAMWLM021320SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 13 11:44:58 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 10.39 | 91   | 237048   | 5.089 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 10.60 | 75   | 68964    | 4.415 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 10.79 | 97   | 41006    | 4.392 | ug/L   | 98       |
| 46) Tetrachloroethene          | 10.86 | 164  | 39559    | 4.684 | ug/L   | 94       |
| 48) 2-Hexanone                 | 10.97 | 43   | 54374    | 6.024 | ug/L   | 99       |
| 49) Dibromochloromethane       | 11.13 | 129  | 42554    | 4.217 | ug/L   | 98       |
| 50) 1,2-Dibromoethane          | 11.23 | 107  | 36517    | 3.872 | ug/L   | 99       |
| 51) Chlorobenzene              | 11.66 | 112  | 144007   | 4.879 | ug/L   | 98       |
| 52) Ethylbenzene               | 11.73 | 91   | 250752   | 4.802 | ug/L   | 100      |
| 53) m,p-Xylene                 | 11.84 | 106  | 88142    | 4.344 | ug/L   | 99       |
| 54) o-Xylene                   | 12.16 | 106  | 79161    | 4.072 | ug/L   | 93       |
| 55) Styrene                    | 12.18 | 104  | 138570   | 4.072 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 54476    | 4.162 | ug/L   | 99       |
| 59) Bromoform                  | 12.35 | 173  | 21033    | 3.453 | ug/L   | 99       |
| 60) Isopropylbenzene           | 12.46 | 105  | 216355   | 4.714 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane     | 12.77 | 75   | 42384    | 4.731 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene     | 12.94 | 105  | 158930   | 4.183 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene     | 13.25 | 105  | 155446   | 4.135 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene        | 13.50 | 146  | 92369    | 4.537 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene        | 13.58 | 146  | 98527    | 4.821 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene        | 13.87 | 146  | 85350    | 4.529 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropropan | 14.49 | 75   | 7991     | 3.535 | ug/L # | 75       |
| 69) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 61069    | 4.366 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene     | 15.13 | 180  | 40557    | 3.182 | ug/L   | 99       |
| 71) Naphthalene                | 15.36 | 128  | 35704    | 1.005 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene     | 15.56 | 180  | 37813    | 3.180 | ug/L   | 99       |

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

