

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072919\  
 Data File : VV012060.D  
 Acq On : 29 Jul 2019 13:26  
 Operator : SY/MD  
 Sample : VSTD02036  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020361

Quant Time: Jul 30 08:18:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 30 08:12:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 149596   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 142842   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 79066    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 170020 | 19.48  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.59  | 69  | 123777 | 19.59  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 324821 | 21.11  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.96  | 46  | 440567 | 213.30 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.40  | 84  | 383792 | 20.27  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 212532 | 20.08  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 813716 | 21.46  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 227040 | 21.26  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 783370 | 20.62  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.66  | 79  | 103518 | 21.72  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.13  | 63  | 372944 | 222.15 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 161328 | 20.19  | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 307431 | 20.78  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |         | Qvalue   |
|--------------------------------|------|-----|---------|---------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 338945  | 19.571  | ug/L 98  |
| 3) Chloromethane               | 1.25 | 50  | 193156  | 20.213  | ug/L 99  |
| 5) Vinyl chloride              | 1.32 | 62  | 199744  | 20.261  | ug/L 97  |
| 6) Bromomethane                | 1.54 | 94  | 122936  | 20.495  | ug/L 98  |
| 8) Chloroethane                | 1.60 | 64  | 107199  | 20.329  | ug/L 99  |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 352209  | 21.096  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 154603  | 21.845  | ug/L 96  |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 141638  | 21.715  | ug/L 97  |
| 13) Acetone                    | 2.23 | 43  | 214189  | 214.855 | ug/L 100 |
| 14) Carbon disulfide           | 2.32 | 76  | 406019  | 22.055  | ug/L 99  |
| 15) Methyl Acetate             | 2.47 | 43  | 44917   | 23.050  | ug/L 93  |
| 16) Methylene chloride         | 2.54 | 84  | 134516  | 20.413  | ug/L 99  |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 473745  | 22.486  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 212056  | 22.224  | ug/L 97  |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 371209  | 21.183  | ug/L 99  |
| 21) 2-Butanone                 | 4.05 | 43  | 475199  | 231.139 | ug/L 98  |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 226891  | 22.283  | ug/L 99  |
| 23) Bromochloromethane         | 4.30 | 128 | 98684   | 21.804  | ug/L 97  |
| 25) Chloroform                 | 4.43 | 83  | 442792  | 20.308  | ug/L 99  |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 258256  | 21.869  | ug/L 99  |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 390326  | 22.180  | ug/L 99  |
| 30) Cyclohexane                | 4.72 | 56  | 355034  | 23.444  | ug/L 98  |
| 31) Carbon tetrachloride       | 4.88 | 117 | 356687  | 22.202  | ug/L 99  |
| 33) Benzene                    | 5.15 | 78  | 861424  | 21.967  | ug/L 100 |
| 34) Trichloroethene            | 5.96 | 95  | 240866  | 22.126  | ug/L 97  |
| 35) Methylcyclohexane          | 6.18 | 83  | 395562  | 22.978  | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 201908  | 22.323  | ug/L 99  |
| 38) Bromodichloromethane       | 6.56 | 83  | 284570  | 22.220  | ug/L 97  |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 330545  | 22.956  | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 1156972 | 224.210 | ug/L 100 |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072919\  
 Data File : VV012060.D  
 Acq On : 29 Jul 2019 13:26  
 Operator : SY/MD  
 Sample : VSTD02036  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020361

Quant Time: Jul 30 08:18:48 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 30 08:12:03 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 42) Toluene                    | 7.43  | 91   | 953295   | 21.464  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 263699   | 22.726  | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 141072   | 20.656  | ug/L  | 94       |
| 47) Tetrachloroethene          | 8.02  | 164  | 211221   | 21.004  | ug/L  | 97       |
| 48) 2-Hexanone                 | 8.19  | 43   | 825181   | 222.904 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.29  | 129  | 192709   | 22.391  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 139868   | 21.685  | ug/L  | 99       |
| 51) Chlorobenzene              | 8.92  | 112  | 617463   | 21.535  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.05  | 91   | 1108095  | 22.269  | ug/L  | 99       |
| 53) m,p-xylene                 | 9.18  | 106  | 425413   | 21.641  | ug/L  | 98       |
| 54) o-xylene                   | 9.59  | 106  | 409114   | 22.570  | ug/L  | 95       |
| 55) Styrene                    | 9.60  | 104  | 695351   | 22.375  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 158466   | 21.420  | ug/L  | 99       |
| 59) Bromoform                  | 9.77  | 173  | 107812   | 23.652  | ug/L  | 99       |
| 60) Isopropylbenzene           | 9.97  | 105  | 1130177  | 22.708  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 10.32 | 75   | 120568   | 21.507  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene     | 10.58 | 105  | 996204   | 23.783  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 10.96 | 105  | 980158   | 23.059  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene        | 11.22 | 146  | 536257   | 22.043  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene        | 11.32 | 146  | 536673   | 21.491  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene        | 11.69 | 146  | 487606   | 21.895  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 28627    | 24.156  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 449684   | 22.803  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene     | 13.31 | 180  | 380010   | 24.381  | ug/L  | 99       |
| 71) Naphthalene                | 13.55 | 128  | 574177   | 27.287  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 334255   | 23.861  | ug/L  | 98       |

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

