

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072919\  
 Data File : VV012059.D  
 Acq On : 29 Jul 2019 13:00  
 Operator : SY/MD  
 Sample : VSTD01035  
 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010351

Quant Time: Jul 30 08:18:19 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  | 140520   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 141336   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 78820    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |        |      |      |
|--------------------------------|-------|-----|--------|--------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 84358  | 10.29  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.59  | 69  | 61787  | 10.41  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 152129 | 10.53  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.96  | 46  | 199291 | 102.72 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.40  | 84  | 178362 | 10.03  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 100473 | 10.10  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 374942 | 10.00  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 104145 | 9.85   | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 385660 | 10.26  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.66  | 79  | 48975  | 10.38  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 174238 | 104.89 | ug/L | 0.00 |
| 56) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 80391  | 10.17  | ug/L | 0.00 |
| 66) 1,2-Dichlorobenzene-d4     | 11.67 | 152 | 149464 | 10.14  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |         | Qvalue   |
|--------------------------------|------|-----|--------|---------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 165708 | 10.186  | ug/L 99  |
| 3) Chloromethane               | 1.25 | 50  | 93608  | 10.428  | ug/L 98  |
| 5) Vinyl chloride              | 1.33 | 62  | 95411  | 10.303  | ug/L 97  |
| 6) Bromomethane                | 1.54 | 94  | 59737  | 10.602  | ug/L 96  |
| 8) Chloroethane                | 1.60 | 64  | 53094  | 10.719  | ug/L 97  |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 168693 | 10.757  | ug/L 99  |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 70782  | 10.647  | ug/L 98  |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 65429  | 10.679  | ug/L 93  |
| 13) Acetone                    | 2.22 | 43  | 96334  | 102.875 | ug/L 99  |
| 14) Carbon disulfide           | 2.32 | 76  | 185180 | 10.709  | ug/L 100 |
| 15) Methyl Acetate             | 2.48 | 43  | 19729  | 10.778  | ug/L 96  |
| 16) Methylene chloride         | 2.54 | 84  | 61730  | 9.972   | ug/L 99  |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 212039 | 10.714  | ug/L 98  |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 94516  | 10.545  | ug/L 98  |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 168843 | 10.257  | ug/L 97  |
| 21) 2-Butanone                 | 4.05 | 43  | 207462 | 107.428 | ug/L 99  |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 103815 | 10.854  | ug/L 98  |
| 23) Bromochloromethane         | 4.30 | 128 | 45216  | 10.636  | ug/L 97  |
| 25) Chloroform                 | 4.43 | 83  | 209676 | 10.238  | ug/L 98  |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 119836 | 10.803  | ug/L 99  |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 179716 | 10.321  | ug/L 98  |
| 30) Cyclohexane                | 4.72 | 56  | 153990 | 10.277  | ug/L 99  |
| 31) Carbon tetrachloride       | 4.87 | 117 | 161087 | 10.134  | ug/L 100 |
| 33) Benzene                    | 5.15 | 78  | 388987 | 10.025  | ug/L 100 |
| 34) Trichloroethene            | 5.96 | 95  | 108453 | 10.069  | ug/L 97  |
| 35) Methylcyclohexane          | 6.18 | 83  | 177801 | 10.439  | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 90671  | 10.131  | ug/L 99  |
| 38) Bromodichloromethane       | 6.55 | 83  | 130598 | 10.306  | ug/L 99  |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 152516 | 10.705  | ug/L 98  |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 555153 | 108.730 | ug/L 99  |

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 Misc : 25ML/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD010351

Quant Time: Jul 30 08:18:19 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   | 457802   | 10.417  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 124186   | 10.817  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 69049    | 10.218  | ug/L  | 98       |
| 47) Tetrachloroethene          | 8.02  | 164  | 99744    | 10.024  | ug/L  | 96       |
| 48) 2-Hexanone                 | 8.19  | 43   | 388371   | 106.027 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.29  | 129  | 90793    | 10.662  | ug/L  | 98       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 66712    | 10.453  | ug/L  | 98       |
| 51) Chlorobenzene              | 8.92  | 112  | 296272   | 10.443  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.05  | 91   | 524007   | 10.643  | ug/L  | 99       |
| 53) m,p-xylene                 | 9.18  | 106  | 201659   | 10.368  | ug/L  | 98       |
| 54) o-xylene                   | 9.59  | 106  | 193595   | 10.794  | ug/L  | 97       |
| 55) Styrene                    | 9.60  | 104  | 330951   | 10.763  | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 77305    | 10.561  | ug/L  | 97       |
| 59) Bromoform                  | 9.77  | 173  | 48984    | 10.780  | ug/L  | 99       |
| 60) Isopropylbenzene           | 9.97  | 105  | 536682   | 10.817  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane     | 10.32 | 75   | 58509    | 10.470  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene     | 10.58 | 105  | 461448   | 11.051  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene     | 10.96 | 105  | 460123   | 10.858  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene        | 11.22 | 146  | 255364   | 10.529  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene        | 11.32 | 146  | 255795   | 10.275  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene        | 11.69 | 146  | 231003   | 10.405  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 13072    | 11.065  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 209939   | 10.679  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene     | 13.31 | 180  | 172160   | 11.080  | ug/L  | 99       |
| 71) Naphthalene                | 13.55 | 128  | 249871   | 11.912  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene     | 13.79 | 180  | 156416   | 11.201  | ug/L  | 98       |
| -----                          |       |      |          |         |       |          |

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

