

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071718\  
 Data File : VV006615.D  
 Acq On : 17 Jul 2018 13:06  
 Operator : SY/MD  
 Sample : VSTD00577  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00577

Manual Integrations  
 APPROVED

MMDadoda  
 7/18/2018 5:49:01 PM

Quant Time: Jul 17 13:42:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 17 12:39:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 243551   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 226865   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 107849   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |       |
|--------------------------------|-------|-----|--------|-------|------|-------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 114742 | 8.67  | ug/L | 0.00  |
| 7) Chloroethane-d5             | 1.57  | 69  | 82880  | 7.17  | ug/L | -0.01 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 195701 | 7.94  | ug/L | 0.00  |
| 20) 2-Butanone-d5              | 3.96  | 46  | 147203 | 43.77 | ug/L | 0.00  |
| 24) Chloroform-d               | 4.41  | 84  | 181566 | 6.97  | ug/L | 0.00  |
| 26) 1,2-Dichloroethane-d4      | 5.09  | 65  | 88484  | 7.31  | ug/L | 0.00  |
| 32) Benzene-d6                 | 5.10  | 84  | 378646 | 7.31  | ug/L | 0.00  |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 117143 | 6.98  | ug/L | 0.00  |
| 41) Toluene-d8                 | 7.36  | 98  | 354259 | 7.66  | ug/L | 0.00  |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 40969  | 7.20  | ug/L | 0.00  |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 224018 | 77.92 | ug/L | 0.00  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84  | 92851  | 7.03  | ug/L | 0.00  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68 | 152 | 124910 | 6.73  | ug/L | 0.00  |

## Target Compounds

|                                |      |     |         |       |      | Qvalue |
|--------------------------------|------|-----|---------|-------|------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 122617m | 6.42  | ug/L |        |
| 3) Chloromethane               | 1.27 | 50  | 136076  | 5.82  | ug/L | 99     |
| 5) Vinyl chloride              | 1.32 | 62  | 145380  | 6.71  | ug/L | 99     |
| 6) Bromomethane                | 1.52 | 94  | 62912m  | 6.26  | ug/L |        |
| 8) Chloroethane                | 1.59 | 64  | 78099   | 5.93  | ug/L | 100    |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 159459  | 6.54  | ug/L | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 96531   | 6.40  | ug/L | 98     |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 96525   | 6.33  | ug/L | 96     |
| 13) Acetone                    | 2.19 | 43  | 153636  | 72.23 | ug/L | 96     |
| 14) Carbon disulfide           | 2.32 | 76  | 296346  | 6.50  | ug/L | 100    |
| 15) Methyl Acetate             | 2.46 | 43  | 45173   | 7.21  | ug/L | 96     |
| 16) Methylene chloride         | 2.54 | 84  | 109375  | 6.36  | ug/L | 95     |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 245338  | 6.79  | ug/L | 97     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 106725  | 6.42  | ug/L | 98     |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 198907  | 6.89  | ug/L | 99     |
| 21) 2-Butanone                 | 4.04 | 43  | 281257  | 80.59 | ug/L | 94     |
| 22) cis-1,2-Dichloroethene     | 3.97 | 96  | 111456  | 6.24  | ug/L | 97     |
| 23) Bromochloromethane         | 4.30 | 128 | 46481   | 6.35  | ug/L | 94     |
| 25) Chloroform                 | 4.43 | 83  | 184171  | 6.41  | ug/L | 100    |
| 27) 1,2-Dichloroethane         | 5.19 | 62  | 109212  | 6.70  | ug/L | 96     |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 149502  | 6.29  | ug/L | 99     |
| 30) Cyclohexane                | 4.72 | 56  | 159117  | 6.29  | ug/L | 96     |
| 31) Carbon tetrachloride       | 4.88 | 117 | 124035  | 6.24  | ug/L | 99     |
| 33) Benzene                    | 5.15 | 78  | 430907  | 6.36  | ug/L | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 104660  | 6.03  | ug/L | 99     |
| 35) Methylcyclohexane          | 6.18 | 83  | 169319  | 6.05  | ug/L | 98     |
| 37) 1,2-Dichloropropane        | 6.23 | 63  | 107942  | 6.52  | ug/L | 100    |
| 38) Bromodichloromethane       | 6.56 | 83  | 120466  | 6.45  | ug/L | 99     |
| 39) cis-1,3-Dichloropropene    | 7.08 | 75  | 143696  | 6.46  | ug/L | 100    |
| 40) 4-Methyl-2-pentanone       | 7.29 | 43  | 635198  | 75.67 | ug/L | 95     |

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

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 MSVOA\_V  
 ClientSampleId :  
 VSTD00577

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 APPROVED

MMDadoda  
 7/18/2018 5:49:01 PM

Quant Time: Jul 17 13:42:09 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 17 12:39:28 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 42) Toluene                    | 7.44  | 91   | 445858   | 6.33  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.70  | 75   | 112001   | 6.53  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane      | 7.89  | 97   | 74815    | 6.46  | ug/L  | 97       |
| 47) Tetrachloroethene          | 8.02  | 164  | 85416    | 5.98  | ug/L  | 98       |
| 48) 2-Hexanone                 | 8.19  | 43   | 453583   | 76.20 | ug/L  | 97       |
| 49) Dibromochloromethane       | 8.30  | 129  | 77476    | 6.41  | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 67616    | 6.41  | ug/L  | 97       |
| 51) Chlorobenzene              | 8.93  | 112  | 283702   | 6.16  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.06  | 91   | 469224   | 6.27  | ug/L  | 99       |
| 53) m,p-xylene                 | 9.19  | 106  | 181208   | 6.29  | ug/L  | 97       |
| 54) o-xylene                   | 9.59  | 106  | 177161   | 6.28  | ug/L  | 97       |
| 55) Styrene                    | 9.61  | 104  | 308005   | 6.49  | ug/L  | 99       |
| 56) Isopropylbenzene           | 9.98  | 105  | 454154   | 6.28  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.30 | 83   | 92659    | 6.78  | ug/L  | 99       |
| 59) 1,2,3-Trichloropropane     | 10.33 | 75   | 67113    | 6.81  | ug/L  | 99       |
| 61) Bromoform                  | 9.78  | 173  | 39620    | 6.41  | ug/L  | 99       |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146  | 209220   | 6.15  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 211164   | 6.11  | ug/L  | 97       |
| 65) 1,2-Dichlorobenzene        | 11.70 | 146  | 207360   | 6.31  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 12735    | 7.25  | ug/L  | 88       |
| 67) 1,3,5-Trichlorobenzene     | 12.70 | 180  | 161888   | 6.01  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.32 | 180  | 132308   | 6.17  | ug/L  | 100      |
| 69) Naphthalene                | 13.56 | 128  | 246039   | 6.76  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.80 | 180  | 127214   | 6.33  | ug/L  | 100      |
| -----                          |       |      |          |       |       |          |

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

