

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR091219\  
 Data File : VR026626.D  
 Acq On : 12 Sep 2019 18:36  
 Operator : SY/MD  
 Sample : VSTD00565  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 VSTD00565

Quant Time: Sep 13 04:59:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR091219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 13 04:55:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.48  | 114  | 431219   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.30 | 117  | 326798   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.24 | 152  | 153994   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.18  | 65  | 51567  | 4.00  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.63  | 69  | 48461  | 4.38  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.64  | 63  | 152187 | 4.85  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.62  | 46  | 126108 | 44.42 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.23  | 84  | 215756 | 4.71  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.91  | 65  | 66240  | 4.47  | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.88  | 84  | 413693 | 4.54  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.92  | 67  | 109326 | 4.44  | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.99  | 98  | 320362 | 4.66  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.25 | 79  | 23824  | 4.08  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.60 | 63  | 87561  | 48.91 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.38 | 84  | 56804  | 4.82  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.53 | 152 | 90669  | 4.57  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |        |             | Qvalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.86 | 85  | 221425 | 5.101 ug/L  | 100    |
| 3) Chloromethane               | 2.06 | 50  | 112605 | 4.367 ug/L  | 100    |
| 5) Vinyl chloride              | 2.19 | 62  | 114826 | 4.697 ug/L  | 100    |
| 6) Bromomethane                | 2.53 | 94  | 70790  | 5.045 ug/L  | 100    |
| 8) Chloroethane                | 2.66 | 64  | 65561  | 4.746 ug/L  | 100    |
| 9) Trichlorofluoromethane      | 2.97 | 101 | 206395 | 5.451 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.69 | 101 | 89442  | 5.441 ug/L  | 100    |
| 12) 1,1-Dichloroethene         | 3.64 | 96  | 87634  | 5.155 ug/L  | 100    |
| 13) Acetone                    | 3.73 | 43  | 85749  | 48.074 ug/L | 100    |
| 14) Carbon disulfide           | 3.97 | 76  | 381368 | 5.836 ug/L  | 100    |
| 15) Methyl Acetate             | 4.22 | 43  | 36219  | 4.596 ug/L  | 100    |
| 16) Methylene chloride         | 4.43 | 84  | 170841 | 4.783 ug/L  | 100    |
| 17) Methyl tert-butyl Ether    | 4.93 | 73  | 210773 | 4.955 ug/L  | 100    |
| 18) trans-1,2-Dichloroethene   | 4.92 | 96  | 193155 | 5.261 ug/L  | 100    |
| 19) 1,1-Dichloroethane         | 5.72 | 63  | 351693 | 5.025 ug/L  | 100    |
| 21) 2-Butanone                 | 6.72 | 43  | 180423 | 49.276 ug/L | 100    |
| 22) cis-1,2-Dichloroethene     | 6.70 | 96  | 187959 | 5.188 ug/L  | 100    |
| 23) Bromochloromethane         | 7.08 | 128 | 51155  | 5.236 ug/L  | 100    |
| 25) Chloroform                 | 7.25 | 83  | 316339 | 4.927 ug/L  | 100    |
| 27) 1,2-Dichloroethane         | 8.02 | 62  | 116878 | 4.995 ug/L  | 100    |
| 29) 1,1,1-Trichloroethane      | 7.46 | 97  | 269169 | 5.367 ug/L  | 100    |
| 30) Cyclohexane                | 7.54 | 56  | 309532 | 5.305 ug/L  | 100    |
| 31) Carbon tetrachloride       | 7.66 | 117 | 223330 | 5.372 ug/L  | 100    |
| 33) Benzene                    | 7.93 | 78  | 738887 | 5.089 ug/L  | 100    |
| 34) Trichloroethene            | 8.73 | 95  | 184978 | 5.147 ug/L  | 100    |
| 35) Methylcyclohexane          | 8.97 | 83  | 301385 | 5.554 ug/L  | 100    |
| 37) 1,2-Dichloropropane        | 9.02 | 63  | 146515 | 5.054 ug/L  | 100    |
| 38) Bromodichloromethane       | 9.30 | 83  | 153339 | 5.113 ug/L  | 100    |
| 39) cis-1,3-Dichloropropene    | 9.74 | 75  | 162254 | 5.156 ug/L  | 100    |
| 40) 4-Methyl-2-pentanone       | 9.88 | 43  | 410608 | 50.452 ug/L | 100    |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) Toluene                    | 10.05 | 91   | 694488   | 5.342  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 10.28 | 75   | 100465   | 5.153  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 10.46 | 97   | 62181    | 5.118  | ug/L  | 100      |
| 47) Tetrachloroethene          | 10.53 | 164  | 106697   | 5.266  | ug/L  | 100      |
| 48) 2-Hexanone                 | 10.65 | 43   | 255223   | 51.857 | ug/L  | 100      |
| 49) Dibromochloromethane       | 10.80 | 129  | 66693    | 5.219  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 10.90 | 107  | 51927    | 5.092  | ug/L  | 100      |
| 51) Chlorobenzene              | 11.33 | 112  | 365353   | 5.197  | ug/L  | 100      |
| 52) Ethylbenzene               | 11.41 | 91   | 780780   | 5.460  | ug/L  | 100      |
| 53) m,p-Xylene                 | 11.52 | 106  | 280181   | 5.363  | ug/L  | 100      |
| 54) o-Xylene                   | 11.84 | 106  | 274926   | 5.385  | ug/L  | 100      |
| 55) Styrene                    | 11.86 | 104  | 396664   | 5.593  | ug/L  | 100      |
| 56) Isopropylbenzene           | 12.15 | 105  | 798125   | 5.627  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 12.40 | 83   | 70318    | 5.096  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 12.45 | 75   | 51182    | 5.065  | ug/L  | 100      |
| 61) Bromoform                  | 12.03 | 173  | 26817    | 4.776  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 13.18 | 146  | 270758   | 5.162  | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 13.26 | 146  | 253630   | 5.028  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 13.55 | 146  | 223914   | 5.146  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 14.16 | 75   | 9266     | 4.218  | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 14.31 | 180  | 217122   | 5.143  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 14.80 | 180  | 154875   | 5.026  | ug/L  | 100      |
| 69) Naphthalene                | 15.02 | 128  | 210260   | 4.925  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 15.20 | 180  | 131303   | 5.097  | ug/L  | 100      |

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

