

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103119\  
 Data File : VV013453.D  
 Acq On : 31 Oct 2019 18:37  
 Operator : SY/MD  
 Sample : K5597-12  
 Misc : 25.0ML/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAQE1

Quant Time: Nov 01 05:46:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR103119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Nov 01 05:32:11 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 358317   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 378990   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 202954   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 125093   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 104581   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 169058   | 3.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 405946   | 49.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.24%  |
| 24) Chloroform-d               | 4.40   | 84    | 286795   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 162937   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 32) Benzene-d6                 | 5.09   | 84    | 594267   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 191253   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 495424   | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.20%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 70028    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 267516   | 46.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.28%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 142048   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 207362   | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

## Target Compounds

| Target Compounds             | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|------------------------------|-------|------|----------|-------|--------|--------|
| 14) Carbon disulfide         | 2.31  | 76   | 14539    | 0.185 | ug/L # | 95     |
| 18) trans-1,2-Dichloroethene | 2.78  | 96   | 6159     | 0.184 | ug/L   | 96     |
| 22) cis-1,2-Dichloroethene   | 3.96  | 96   | 28006    | 0.794 | ug/L # | 91     |
| 33) Benzene                  | 5.14  | 78   | 52303    | 0.388 | ug/L   | 100    |
| 34) Trichloroethene          | 5.96  | 95   | 22116    | 0.604 | ug/L   | 97     |
| 42) Toluene                  | 7.43  | 91   | 15444    | 0.110 | ug/L   | 90     |
| 47) Tetrachloroethene        | 8.02  | 164  | 69081    | 2.198 | ug/L   | 97     |
| 53) m,p-xylene               | 9.19  | 106  | 4178     | 0.073 | ug/L   | 87     |
| 63) 1,4-Dichlorobenzene      | 11.32 | 146  | 6558     | 0.098 | ug/L   | 94     |
| 65) 1,2-Dichlorobenzene      | 11.69 | 146  | 4591     | 0.076 | ug/L # | 87     |
| 68) 1,2,4-trichlorobenzene   | 13.31 | 180  | 7153     | 0.162 | ug/L   | 98     |
| 70) 1,2,3-Trichlorobenzene   | 13.79 | 180  | 5332     | 0.131 | ug/L   | 98     |

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

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