

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\  
 Data File : VV012638.D  
 Acq On : 09 Sep 2019 22:14  
 Operator : SY/MD  
 Sample : K4724-15  
 Misc : 25mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFDB5

Quant Time: Sep 11 01:17:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR090919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Sep 10 09:27:53 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 392152   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 385000   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 152840   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 109026   | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 96839    | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 130238   | 3.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 345551   | 53.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.96% |
| 24) Chloroform-d               | 4.40   | 84    | 212454   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 111800   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 32) Benzene-d6                 | 5.09   | 84    | 401581   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 134533   | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 319727   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 77.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 43302    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 183777   | 48.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.68%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 103606   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 129795   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.20%  |

## Target Compounds

|                             |      |     |        |              | Ovalue |
|-----------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane  | 1.14 | 85  | 4441   | 0.134 ug/L   | 98     |
| 13) Acetone                 | 2.23 | 43  | 14420  | 3.843 ug/L   | 93     |
| 17) Methyl tert-butyl Ether | 2.81 | 73  | 14920  | 0.261 ug/L # | 93     |
| 22) cis-1,2-Dichloroethene  | 3.96 | 96  | 38776  | 1.303 ug/L   | 96     |
| 25) Chloroform              | 4.42 | 83  | 25840  | 0.455 ug/L   | 93     |
| 34) Trichloroethene         | 5.96 | 95  | 46515  | 1.496 ug/L   | 98     |
| 47) Tetrachloroethene       | 8.02 | 164 | 131090 | 5.371 ug/L   | 97     |

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

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