

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\  
 Data File : VV013806.D  
 Acq On : 26 Nov 2019 23:15  
 Operator : SY/MD  
 Sample : K6056-06  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BFE13

Manual Integrations  
 APPROVED

MMDadoda  
 11/27/2019 11:40:46 AM

Quant Time: Nov 27 04:50:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Nov 27 03:09:16 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 343077   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 330793   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 151117   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 78462    | 3.69     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.80%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 75465    | 4.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.60%   |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 1017489  | 28.46    | ug/L | 0.02     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 569.20%# |
| 20) 2-Butanone-d5              | 3.95   | 46    | 252265   | 57.15    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 114.30%  |
| 24) Chloroform-d               | 4.40   | 84    | 172140   | 4.02     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.40%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 99948    | 4.91     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20%   |
| 32) Benzene-d6                 | 5.10   | 84    | 354424   | 4.15     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.00%   |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 116733   | 4.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.80%   |
| 41) Toluene-d8                 | 7.36   | 98    | 287659   | 3.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 71.80%   |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 37778    | 3.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 76.40%   |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 187603   | 51.38    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.76%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 91560    | 5.19     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 128203   | 4.81     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20%   |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc    | Units  | Ovalue |
|--------------------------------|------|------|----------|---------|--------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101  | 11352    | 0.600   | ug/L # | 64     |
| 12) 1,1-Dichloroethene         | 2.14 | 96   | 1785407  | 108.241 | ug/L # | 64     |
| 13) Acetone                    | 2.21 | 43   | 9903m    | 3.208   | ug/L   |        |
| 16) Methylene chloride         | 2.53 | 84   | 7166     | 0.317   | ug/L   | 95     |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96   | 4116     | 0.221   | ug/L   | 95     |
| 19) 1,1-Dichloroethane         | 3.23 | 63   | 1770590  | 47.616  | ug/L   | 99     |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96   | 206415   | 9.450   | ug/L   | 100    |
| 25) Chloroform                 | 4.42 | 83   | 31811    | 0.807   | ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.18 | 62   | 27342    | 1.212   | ug/L   | 98     |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97   | 66328    | 1.960   | ug/L   | 100    |
| 33) Benzene                    | 5.15 | 78   | 14110    | 0.174   | ug/L   | 100    |
| 34) Trichloroethene            | 5.96 | 95   | 3502043  | 156.453 | ug/L   | 98     |
| 45) 1,1,2-Trichloroethane      | 7.88 | 97   | 7398     | 0.498   | ug/L   | 98     |
| 47) Tetrachloroethene          | 8.02 | 164  | 277348   | 14.269  | ug/L   | 97     |

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

