

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV101119\  
 Data File : VV013124.D  
 Acq On : 12 Oct 2019 01:34  
 Operator : SY/MD  
 Sample : K5347-05  
 Misc : 5.00ML/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AF4

Manual Integrations  
 APPROVED

MMDadoda  
 10/14/2019 4:13:52 PM

Quant Time: Oct 12 04:45:15 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 12 04:13:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 672196   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 620632   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 231737   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 225807   | 53.14    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 106.28%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 196004   | 56.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 112.56%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 318959m  | 39.80    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.60%   |
| 21) 2-Butanone-d5              | 3.92    | 46    | 354352   | 110.92   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 110.92%  |
| 24) Chloroform-d               | 4.40    | 84    | 442410   | 54.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.18%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 285463   | 56.61    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 113.22%  |
| 32) Benzene-d6                 | 5.10    | 84    | 931874   | 56.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 112.56%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 295720   | 57.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 114.00%  |
| 41) Toluene-d8                 | 7.36    | 98    | 786744   | 53.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.18%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 117428   | 49.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 99.94%   |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 237511   | 115.06   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 115.06%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 366540   | 54.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 109.50%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 275879   | 60.76    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 121.52%# |

| Target Compounds      |      |     |         |              | Qvalue |
|-----------------------|------|-----|---------|--------------|--------|
| 46) Tetrachloroethene | 8.02 | 164 | 1194142 | 299.682 ug/L | 97     |

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

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