

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV101119\  
 Data File : VV013122.D  
 Acq On : 12 Oct 2019 00:45  
 Operator : SY/MD  
 Sample : K5347-03  
 Misc : 5.00ML/MSVOA\_V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AF2

Manual Integrations  
 APPROVED

MMDadoda  
 10/14/2019 4:13:48 PM

Quant Time: Oct 12 04:30:09 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 12 01:26:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 697452   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 674276   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 269774   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 223767   | 50.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 101.52% |
| 7) Chloroethane-d5             | 1.58    | 69    | 199642   | 55.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 110.48% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 325631   | 39.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.32%  |
| 21) 2-Butanone-d5              | 3.92    | 46    | 342384   | 103.29   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 103.29% |
| 24) Chloroform-d               | 4.40    | 84    | 448891   | 52.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.78% |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 288511   | 55.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 110.30% |
| 32) Benzene-d6                 | 5.10    | 84    | 948068   | 52.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 298600   | 52.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 105.96% |
| 41) Toluene-d8                 | 7.36    | 98    | 821601   | 51.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.06% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 124620   | 48.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.62%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 247732   | 110.47   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 110.47% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 389205   | 53.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 107.02% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 309290   | 58.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 117.04% |

| Target Compounds           |      |     |           |               | Qvalue |
|----------------------------|------|-----|-----------|---------------|--------|
| 20) cis-1,2-Dichloroethene | 3.96 | 96  | 209531    | 39.455 ug/L   | 99     |
| 34) Trichloroethene        | 5.96 | 95  | 214083    | 39.151 ug/L   | 99     |
| 46) Tetrachloroethene      | 8.02 | 164 | 28031884m | 6475.194 ug/L |        |

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

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