

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\  
 Data File : VV018787.D  
 Acq On : 09 Oct 2020 02:13  
 Operator : SY/MD  
 Sample : L4239-14DL 400X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3Q8DL

Quant Time: Oct 09 08:23:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM100820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Oct 09 07:31:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 321904   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 313015   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 171309   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 137914   | 47.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 94.30%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 113981   | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.82%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 207440   | 36.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.58%  |
| 21) 2-Butanone-d5              | 3.90    | 46    | 174247   | 97.02    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.02%  |
| 24) Chloroform-d               | 4.37    | 84    | 234047   | 45.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 166916   | 47.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.44%  |
| 32) Benzene-d6                 | 5.07    | 84    | 468257   | 46.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.96%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 168959   | 51.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 102.88% |
| 41) Toluene-d8                 | 7.34    | 98    | 447506   | 50.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.08% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 75584    | 47.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.16%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 100789   | 87.55    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.55%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 157781   | 41.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 83.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 184036   | 48.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.08%  |

## Target Compounds

|                            |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 3.95 | 96  | 16618  | 6.686 ug/L  | 98     |
| 30) 1,1,1-Trichloroethane  | 4.64 | 97  | 65359  | 15.667 ug/L | 99     |
| 42) Toluene                | 7.41 | 91  | 481305 | 47.186 ug/L | 98     |
| 46) Tetrachloroethene      | 8.00 | 164 | 1729   | 0.825 ug/L  | 93     |
| 53) m,p-Xylene             | 9.16 | 106 | 5480   | 1.289 ug/L  | 96     |

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

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