

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082720\  
 Data File : VV018124.D  
 Acq On : 27 Aug 2020 18:21  
 Operator : SY/MD  
 Sample : L3800-20 20X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3G8

Quant Time: Aug 28 07:33:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 28 06:20:16 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 258121   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 254708   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 122733   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 81600    | 41.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 82.86%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 73690    | 45.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.46%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 127339   | 33.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.60%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 122572   | 95.02    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.02%  |
| 24) Chloroform-d               | 4.38    | 84    | 163708   | 45.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.32%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 112322   | 48.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.48%  |
| 32) Benzene-d6                 | 5.08    | 84    | 331320   | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 108407   | 47.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 94.48%  |
| 41) Toluene-d8                 | 7.34    | 98    | 288340   | 45.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.36%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 50089    | 48.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.24%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 62156    | 84.40    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 135042   | 45.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 90.38%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 123601   | 51.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.34% |

## Target Compounds

|                            |      |     |        |             | Ovalue |
|----------------------------|------|-----|--------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 3.94 | 96  | 126078 | 64.461 ug/L | 99     |
| 34) Trichloroethene        | 5.94 | 95  | 32069  | 15.396 ug/L | 98     |
| 46) Tetrachloroethene      | 8.00 | 164 | 85021  | 55.655 ug/L | 99     |

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

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