

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\  
 Data File : VV018134.D  
 Acq On : 28 Aug 2020 13:33  
 Operator : SY/MD  
 Sample : L3800-19  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG3G6

Quant Time: Aug 29 01:05:51 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 29 00:38:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 277899   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 274120   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 134758   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 80569    | 38.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 76.00% |
| 7) Chloroethane-d5             | 1.58    | 69    | 74159    | 42.75    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 85.50% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 127491   | 31.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 62.86% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 120826   | 87.00    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.00% |
| 24) Chloroform-d               | 4.38    | 84    | 163522   | 42.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.74% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 113985   | 45.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.94% |
| 32) Benzene-d6                 | 5.08    | 84    | 332084   | 43.96    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.92% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 111022   | 44.95    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 89.90% |
| 41) Toluene-d8                 | 7.34    | 98    | 292042   | 42.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.98% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 51590    | 46.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.10% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 67443    | 85.09    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 85.09% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 137844   | 42.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 85.72% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 127512   | 48.08    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.16% |

## Target Compounds

|                              |      |     |        |              | Ovalue |
|------------------------------|------|-----|--------|--------------|--------|
| 5) Vinyl chloride            | 1.32 | 62  | 5834   | 2.363 ug/L   | # 28   |
| 13) Acetone                  | 2.19 | 43  | 9261   | 6.456 ug/L   | 96     |
| 17) trans-1,2-Dichloroethene | 2.78 | 96  | 2979   | 1.555 ug/L   | 95     |
| 18) Methyl tert-butyl Ether  | 2.79 | 73  | 29575  | 4.667 ug/L   | 99     |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96  | 918762 | 436.310 ug/L | 98     |
| 25) Chloroform               | 4.40 | 83  | 8270   | 2.104 ug/L   | 97     |
| 34) Trichloroethene          | 5.94 | 95  | 215428 | 96.099 ug/L  | 98     |
| 46) Tetrachloroethene        | 8.00 | 164 | 520206 | 316.414 ug/L | 98     |

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

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