

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\  
 Data File : VV017995.D  
 Acq On : 14 Aug 2020 14:17  
 Operator : SY/MD  
 Sample : L3665-12  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 17 02:55:16 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Aug 17 01:31:40 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 248221   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 244031   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 114505   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 94229    | 49.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.50%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 79959    | 51.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 103.20% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 138419   | 38.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 76.42%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 118417   | 95.46    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.46%  |
| 24) Chloroform-d               | 4.38    | 84    | 164547   | 47.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.46%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 115424   | 51.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.10% |
| 32) Benzene-d6                 | 5.08    | 84    | 341764   | 50.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.64% |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 111039   | 50.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 7.34    | 98    | 300950   | 49.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 99.52%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 48235    | 48.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.74%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 60820    | 86.20    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 133887   | 46.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.52%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 119262   | 52.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 105.84% |

## Target Compounds

|                              |      |     |        |         | Ovalue  |
|------------------------------|------|-----|--------|---------|---------|
| 5) Vinyl chloride            | 1.32 | 62  | 11607  | 5.263   | ug/L 83 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96  | 2408   | 1.407   | ug/L 96 |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96  | 326737 | 173.716 | ug/L 99 |
| 25) Chloroform               | 4.41 | 83  | 8358m  | 2.381   | ug/L    |
| 34) Trichloroethene          | 5.94 | 95  | 153853 | 77.094  | ug/L 99 |
| 46) Tetrachloroethene        | 8.00 | 164 | 49170  | 33.595  | ug/L 99 |

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

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