

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\  
 Data File : VV017996.D  
 Acq On : 14 Aug 2020 14:40  
 Operator : SY/MD  
 Sample : L3665-10  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4L71

Quant Time: Aug 17 02:58:05 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  | 251470   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 247552   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 116137   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 94095    | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 98.08%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 78963    | 50.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 100.60% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 135330   | 36.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 73.74%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 118191   | 94.05    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.05%  |
| 24) Chloroform-d               | 4.38    | 84    | 161540   | 46.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.50%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 114484   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.94% |
| 32) Benzene-d6                 | 5.08    | 84    | 336944   | 49.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.78%  |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 108984   | 48.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.72%  |
| 41) Toluene-d8                 | 7.34    | 98    | 293090   | 47.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.54%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 48008    | 47.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.92%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 58923    | 82.32    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 82.32%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 132696   | 45.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.38%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 119346   | 52.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.42% |

## Target Compounds

|                              |      |     |        |         | Ovalue   |
|------------------------------|------|-----|--------|---------|----------|
| 5) Vinyl chloride            | 1.32 | 62  | 200502 | 89.732  | ug/L 100 |
| 8) Chloroethane              | 1.60 | 64  | 19452  | 13.639  | ug/L 100 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96  | 11548  | 6.660   | ug/L 98  |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96  | 454791 | 238.674 | ug/L 98  |
| 25) Chloroform               | 4.41 | 83  | 7167   | 2.015   | ug/L 88  |
| 34) Trichloroethene          | 5.94 | 95  | 16284  | 8.044   | ug/L 98  |
| 46) Tetrachloroethene        | 8.00 | 164 | 2265   | 1.526   | ug/L 95  |

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

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