

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081420\  
 Data File : VV018003.D  
 Acq On : 14 Aug 2020 17:49  
 Operator : SY/MD  
 Sample : L3665-05DL 40X  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4L28DL

Quant Time: Aug 17 03:24:05 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  | 246345   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 242605   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 115357   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 62608    | 33.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 66.62%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 59275    | 38.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 77.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 101860   | 28.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 56.66%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 119227   | 96.85    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 96.85%  |
| 24) Chloroform-d               | 4.38    | 84    | 144768   | 42.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.62%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 99857    | 44.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.86%  |
| 32) Benzene-d6                 | 5.07    | 84    | 276238   | 41.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.64%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 95453    | 43.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 87.34%  |
| 41) Toluene-d8                 | 7.34    | 98    | 236373   | 39.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 78.62%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 41668    | 42.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.06%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 56695    | 80.82    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 80.82%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 127121   | 44.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.32%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 109677   | 48.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.62%  |

## Target Compounds

|                              |      |    |       |        | Ovalue   |
|------------------------------|------|----|-------|--------|----------|
| 5) Vinyl chloride            | 1.32 | 62 | 27768 | 12.686 | ug/L 93  |
| 8) Chloroethane              | 1.60 | 64 | 2291  | 1.640  | ug/L 96  |
| 12) 1,1-Dichloroethene       | 2.13 | 96 | 2493  | 1.509  | ug/L # 1 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96 | 1562  | 0.920  | ug/L 89  |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96 | 62802 | 33.644 | ug/L 99  |
| 34) Trichloroethene          | 5.94 | 95 | 25046 | 12.624 | ug/L 97  |

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

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