

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\  
 Data File : VV014951.D  
 Acq On : 16 Mar 2020 17:19  
 Operator : SY/MD  
 Sample : L1890-16  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0DH3

Quant Time: Mar 18 04:18:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031620WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 18 03:17:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 346087   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 337432   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 162339   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 104156   | 45.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.36%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 80894    | 47.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 94.48%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 127904   | 36.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.32%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 107422   | 76.41    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 76.41%  |
| 24) Chloroform-d               | 4.38    | 84    | 220620   | 45.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.86%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 146728   | 48.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.42%  |
| 32) Benzene-d6                 | 5.08    | 84    | 452844   | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.42%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 134388   | 48.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 97.10%  |
| 41) Toluene-d8                 | 7.34    | 98    | 433952   | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.40%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 65722    | 44.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.32%  |
| 47) 2-Hexanone-d5              | 8.12    | 63    | 123655   | 98.96    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 98.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 189996   | 46.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 182513   | 51.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.64% |

## Target Compounds

|                            |       |     |       |              | Ovalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.12  | 96  | 1297  | 0.797 ug/L # | 1      |
| 25) Chloroform             | 4.41  | 83  | 20768 | 4.583 ug/L   | 99     |
| 51) Chlorobenzene          | 8.91  | 112 | 9142  | 1.285 ug/L   | 97     |
| 63) 1,4-Dichlorobenzene    | 11.30 | 146 | 6147  | 1.141 ug/L   | 96     |
| 65) 1,2-Dichlorobenzene    | 11.67 | 146 | 4001  | 0.749 ug/L # | 83     |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180 | 4725  | 1.264 ug/L   | 95     |

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

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