

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102319\  
 Data File : VV013310.D  
 Acq On : 23 Oct 2019 21:46  
 Operator : SY/MD  
 Sample : K5395-19  
 Misc : 5.00ML/MSVOA V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0052

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 10:46:13 AM

Quant Time: Oct 24 04:47:11 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM102319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 24 04:17:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 1198407  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 1153559  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 511272   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 357880   | 45.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.10%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 301149   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.22%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 436126   | 37.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.04%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 410270   | 77.08    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 77.08%  |
| 24) Chloroform-d               | 4.40    | 84    | 807797   | 47.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.38%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 498814   | 49.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.14%  |
| 32) Benzene-d6                 | 5.10    | 84    | 1652689  | 46.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.06%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 522649   | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.04%  |
| 41) Toluene-d8                 | 7.36    | 98    | 1448127  | 45.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.44%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 221731   | 45.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.38%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 260101   | 78.09    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.09%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 670105   | 46.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 92.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 607178   | 51.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 103.50% |

## Target Compounds

|                          |      |     |        |        | Ovalue |
|--------------------------|------|-----|--------|--------|--------|
| 13) Acetone              | 2.22 | 43  | 10047m | 2.554  | ug/L   |
| 25) Chloroform           | 4.42 | 83  | 349246 | 22.557 | ug/L   |
| 38) Bromodichloromethane | 6.56 | 83  | 53061  | 4.565  | ug/L   |
| 49) Dibromochloromethane | 8.29 | 129 | 8281   | 0.841  | ug/L   |

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

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