

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102319\  
 Data File : VV013308.D  
 Acq On : 23 Oct 2019 20:59  
 Operator : SY/MD  
 Sample : K5395-17  
 Misc : 5.00ML/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0050

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 10:46:04 AM

Quant Time: Oct 24 04:34:04 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  | 1223423  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 1176953  | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 529602   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 370965   | 45.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 91.48%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 308720   | 49.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 98.64%  |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 462486   | 38.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.94%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 470054   | 86.50    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.50%  |
| 24) Chloroform-d               | 4.40    | 84    | 826042   | 47.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.54%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 503584   | 48.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.06%  |
| 32) Benzene-d6                 | 5.10    | 84    | 1710448  | 47.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 532963   | 47.50    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.00%  |
| 41) Toluene-d8                 | 7.36    | 98    | 1497378  | 45.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.66%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 227503   | 45.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 91.90%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 319420   | 93.99    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.99%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 677458   | 45.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 624766   | 51.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 102.82% |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 13) Acetone                | 2.21  | 43   | 8227m    | 2.049  | ug/L  |        |
| 25) Chloroform             | 4.42  | 83   | 384419   | 24.321 | ug/L  | 97     |
| 38) Bromodichloromethane   | 6.55  | 83   | 58306    | 4.917  | ug/L  | 95     |
| 49) Dibromochloromethane   | 8.29  | 129  | 9554     | 0.951  | ug/L  | 96     |
| 70) 1,2,3-Trichlorobenzene | 13.79 | 180  | 8245     | 0.712  | ug/L  | 99     |

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

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