

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022020\  
 Data File : VV014641.D  
 Acq On : 20 Feb 2020 22:05  
 Operator : SY/MD  
 Sample : L1607-19  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AQ5

Manual Integrations  
 APPROVED

MMDadoda  
 2/24/2020 4:13:17 PM

Quant Time: Feb 21 06:10:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM021220WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Feb 21 03:31:59 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 263395   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 244313   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 118684   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 58360    | 57.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 115.38% |
| 7) Chloroethane-d5             | 1.59    | 69    | 39652    | 55.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 111.48% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 72967    | 43.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 86.46%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 84929    | 101.25   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.25% |
| 24) Chloroform-d               | 4.40    | 84    | 148595   | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.74% |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 98244    | 53.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.38% |
| 32) Benzene-d6                 | 5.10    | 84    | 311110   | 53.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.50% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 96280    | 54.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 109.42% |
| 41) Toluene-d8                 | 7.35    | 98    | 292479   | 52.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.06% |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 49234    | 50.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 101.48% |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 71114    | 101.13   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 101.13% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25   | 84    | 120641   | 50.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 101.02% |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 111990   | 53.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.82% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc     | Units | Ovalue |
|--------------------------------|------|------|----------|----------|-------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101  | 10690    | 12.301   | ug/L  | 96     |
| 13) Acetone                    | 2.20 | 43   | 2408     | 3.346    | ug/L  | 99     |
| 20) cis-1,2-Dichloroethene     | 3.96 | 96   | 8541m    | 4.636    | ug/L  |        |
| 25) Chloroform                 | 4.42 | 83   | 11749    | 3.800    | ug/L  | 92     |
| 30) 1,1,1-Trichloroethane      | 4.66 | 97   | 25590    | 9.628    | ug/L  | 99     |
| 31) Carbon tetrachloride       | 4.88 | 117  | 2435     | 1.015    | ug/L  | 88     |
| 34) Trichloroethene            | 5.98 | 95   | 12007602 | 6936.940 | ug/L  | 97     |
| 42) Toluene                    | 7.43 | 91   | 4759     | 0.680    | ug/L  | 91     |
| 45) 1,1,2-Trichloroethane      | 7.88 | 97   | 6998     | 4.277    | ug/L  | 93     |
| 46) Tetrachloroethene          | 8.02 | 164  | 2641     | 1.940    | ug/L  | 97     |

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

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