

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV121718\  
 Data File : VV008971.D  
 Acq On : 17 Dec 2018 11:30  
 Operator : SY/MD  
 Sample : VV1217WBL01  
 Misc : 5.0 mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK68

Manual Integrations  
 APPROVED

sam  
 12/18/2018 12:33:30 PM

Quant Time: Dec 18 01:56:19 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121318WMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 18 01:46:20 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 223707   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 207272   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 88481    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 65267    | 49.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 99.92%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 50488    | 61.41    | ug/L | 0.02    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 122.82% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 127170   | 41.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 82.44%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 97197    | 111.43   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 111.43% |
| 24) Chloroform-d               | 4.41    | 84    | 143291   | 51.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.82% |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 94493    | 53.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 106.44% |
| 32) Benzene-d6                 | 5.10    | 84    | 298943   | 53.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 107.04% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 89719    | 53.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 106.90% |
| 41) Toluene-d8                 | 7.36    | 98    | 277944   | 53.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.02% |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 45675    | 53.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 107.32% |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 64637m   | 104.05   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 104.05% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 106864   | 49.31    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.62%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 96912    | 53.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 106.22% |

| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

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