

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010521\  
 Data File : VV019899.D  
 Acq On : 05 Jan 2021 16:04  
 Operator : SY/MD  
 Sample : M1016-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4W0

Manual Integrations  
 APPROVED

MMDadoda  
 1/6/2021 3:31:30 PM

Quant Time: Jan 06 08:08:04 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM122820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Jan 06 07:08:24 2021  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 533614   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 508327   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.26 | 152  | 250901   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 187255   | 45.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.70%  |
| 7) Chloroethane-d5             | 1.57    | 69    | 158941   | 48.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 96.84%  |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 284689   | 36.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.94%  |
| 21) 2-Butanone-d5              | 3.88    | 46    | 290582   | 94.94    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 94.94%  |
| 24) Chloroform-d               | 4.35    | 84    | 362444   | 46.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 92.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 256726   | 50.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.68% |
| 32) Benzene-d6                 | 5.05    | 84    | 715874   | 48.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.82%  |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 231884   | 48.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 96.36%  |
| 41) Toluene-d8                 | 7.32    | 98    | 636086   | 48.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.64%  |
| 43) trans-1,3-Dichloropropene- | 7.63    | 79    | 106002   | 44.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.60%  |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 191938   | 96.49    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 96.49%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 297513   | 47.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 243488   | 50.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 101.48% |

## Target Compounds

|                            |      |     |        |              | Ovalue |
|----------------------------|------|-----|--------|--------------|--------|
| 5) Vinyl chloride          | 1.31 | 62  | 11811  | 2.383 ug/L # | 78     |
| 20) cis-1,2-Dichloroethene | 3.92 | 96  | 97934m | 23.577 ug/L  |        |
| 29) Cyclohexane            | 4.69 | 56  | 51813  | 7.961 ug/L   | 97     |
| 34) Trichloroethene        | 5.92 | 95  | 16641  | 3.923 ug/L   | 96     |
| 35) Methylcyclohexane      | 6.14 | 83  | 28930  | 4.548 ug/L # | 59     |
| 46) Tetrachloroethene      | 7.98 | 164 | 53625  | 18.931 ug/L  | 98     |
| 53) m,p-Xylene             | 9.15 | 106 | 21117  | 3.146 ug/L   | 99     |
| 56) Isopropylbenzene       | 9.94 | 105 | 240345 | 13.675 ug/L  | 100    |

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

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