

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\  
 Data File : VV016972.D  
 Acq On : 18 Jun 2020 12:28  
 Operator : SY/MD  
 Sample : L3039-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 19 05:34:47 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 19 04:33:43 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 367814   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 356177   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 180523   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 93590    | 36.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 72.12% |
| 7) Chloroethane-d5             | 1.58    | 69    | 71823    | 46.12    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.24% |
| 11) 1,1-Dichloroethene-d2      | 2.13    | 63    | 146310   | 33.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.14% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 170961   | 89.00    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 89.00% |
| 24) Chloroform-d               | 4.38    | 84    | 226827   | 42.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.96% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 167118   | 46.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.12% |
| 32) Benzene-d6                 | 5.08    | 84    | 445945   | 43.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.86% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 138920   | 43.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.82% |
| 41) Toluene-d8                 | 7.34    | 98    | 416737   | 44.23    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.46% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 71650    | 42.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 85.96% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 102187   | 73.24    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 73.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 183588   | 43.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.66% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 184425   | 47.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.74% |

## Target Compounds

|                              |      |     |         |         | Ovalue    |
|------------------------------|------|-----|---------|---------|-----------|
| 5) Vinyl chloride            | 1.32 | 62  | 49073   | 18.713  | ug/L 93   |
| 13) Acetone                  | 2.19 | 43  | 3657    | 2.889   | ug/L 89   |
| 14) Carbon disulfide         | 2.31 | 76  | 3972    | 0.601   | ug/L # 80 |
| 17) trans-1,2-Dichloroethene | 2.78 | 96  | 8457    | 3.398   | ug/L 98   |
| 20) cis-1,2-Dichloroethene   | 3.94 | 96  | 1247979 | 459.903 | ug/L 98   |
| 25) Chloroform               | 4.40 | 83  | 7742m   | 1.608   | ug/L      |
| 34) Trichloroethene          | 5.94 | 95  | 44537   | 15.758  | ug/L 98   |
| 46) Tetrachloroethene        | 8.00 | 164 | 67174   | 30.220  | ug/L 96   |

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

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