

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092520\  
 Data File : VV018455.D  
 Acq On : 25 Sep 2020 15:07  
 Operator : SY/MD  
 Sample : L4117-04  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 E0AA1

Manual Integrations  
 APPROVED

MMDadoda  
 9/28/2020 5:00:36 PM

Quant Time: Sep 26 02:42:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Sep 25 23:36:18 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 408790   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 387977   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 199370   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 144339   | 43.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.66% |
| 7) Chloroethane-d5             | 1.58    | 69    | 118894   | 43.61    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.22% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 201936   | 33.04    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.08% |
| 21) 2-Butanone-d5              | 3.92    | 46    | 179676   | 88.11    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.11% |
| 24) Chloroform-d               | 4.38    | 84    | 244689   | 42.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.66% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 160703   | 43.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.74% |
| 32) Benzene-d6                 | 5.08    | 84    | 521988   | 47.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.00% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 165151   | 46.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 93.60% |
| 41) Toluene-d8                 | 7.34    | 98    | 470559   | 46.49    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.98% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 81135    | 45.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 90.48% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 115674   | 86.53    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 86.53% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 201573   | 45.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.02% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 196750   | 48.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.10% |

## Target Compounds

|                            |      |    |        |        | Ovalue |
|----------------------------|------|----|--------|--------|--------|
| 13) Acetone                | 2.19 | 43 | 5441m  | 3.332  | ug/L   |
| 19) 1,1-Dichloroethane     | 3.22 | 63 | 18842  | 3.603  | ug/L   |
| 20) cis-1,2-Dichloroethene | 3.94 | 96 | 13077  | 4.422  | ug/L   |
| 34) Trichloroethene        | 5.94 | 95 | 276427 | 91.478 | ug/L   |

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

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