

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121020\  
 Data File : VV019526.D  
 Acq On : 10 Dec 2020 21:52  
 Operator : SY/MD  
 Sample : L4997-12  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AQ8

Quant Time: Dec 11 03:59:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM121020WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 11 02:38:22 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.62  | 114  | 680647   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.86  | 117  | 629457   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.25 | 152  | 293597   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 197060   | 40.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.74% |
| 7) Chloroethane-d5             | 1.57    | 69    | 168068   | 43.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 87.32% |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 313640   | 34.62    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.24% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 259488   | 97.81    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.81% |
| 24) Chloroform-d               | 4.35    | 84    | 397720   | 45.21    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 90.42% |
| 26) 1,2-Dichloroethane-d4      | 5.04    | 65    | 275100   | 47.86    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.72% |
| 32) Benzene-d6                 | 5.05    | 84    | 789292   | 47.02    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.04% |
| 36) 1,2-Dichloropropane-d6     | 6.07    | 67    | 252402   | 47.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 95.98% |
| 41) Toluene-d8                 | 7.32    | 98    | 708684   | 46.89    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.78% |
| 43) trans-1,3-Dichloropropene- | 7.62    | 79    | 133724   | 44.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.42% |
| 47) 2-Hexanone-d5              | 8.09    | 63    | 196660   | 95.28    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.28% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.22   | 84    | 330809   | 46.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.02% |
| 64) 1,2-Dichlorobenzene-d4     | 11.63   | 152   | 262356   | 47.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.60% |

## Target Compounds

|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 12) 1,1-Dichloroethene     | 2.12 | 96 | 20965  | 5.170 ug/L # | 1      |
| 20) cis-1,2-Dichloroethene | 3.92 | 96 | 28299  | 5.792 ug/L # | 97     |
| 30) 1,1,1-Trichloroethane  | 4.61 | 97 | 23163  | 2.935 ug/L   | 99     |
| 34) Trichloroethene        | 5.92 | 95 | 300462 | 61.828 ug/L  | 98     |

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

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