

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112020\  
 Data File : VW017416.D  
 Acq On : 20 Nov 2020 14:48  
 Operator : SY/VA  
 Sample : L4819-07  
 Misc : 5.28G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B00

Manual Integrations  
 APPROVED

MMDadoda  
 11/23/2020 12:52:04 PM

Quant Time: Nov 21 01:23:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111820S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Nov 21 00:30:34 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 324454   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 297247   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 125441   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 103432   | 21.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.12% |
| 7) Chloroethane-d5             | 2.89   | 69    | 85698    | 22.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.84% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 133404   | 15.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.52% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 32701    | 41.45    | ug/L | -0.01  |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.90% |
| 24) Chloroform-d               | 7.65   | 84    | 193773   | 22.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 90.92% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 98810    | 23.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.96% |
| 29) Benzene-d6                 | 8.27   | 84    | 375428   | 22.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 89.60% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 105161   | 23.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.24% |
| 37) Toluene-d8                 | 10.32  | 98    | 347928   | 22.06    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 88.24% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39997    | 20.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.32% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 25206    | 42.11    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.22% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 78879    | 23.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 110557   | 23.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 95.48% |

| Target Compounds       |      |    |       |       | Ovalue |
|------------------------|------|----|-------|-------|--------|
| 13) Acetone            | 4.14 | 43 | 1058m | 1.838 | ug/L   |
| 16) Methylene chloride | 4.92 | 84 | 13792 | 2.485 | ug/L   |

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

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