

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111720\  
 Data File : VW017287.D  
 Acq On : 17 Nov 2020 15:34  
 Operator : SY/VA  
 Sample : L4711-20  
 Misc : 4.53G/10ML/MSVOA W/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0B05

Manual Integrations  
 APPROVED

MMDadoda  
 11/19/2020 11:09:33 AM

Quant Time: Nov 18 04:15:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 18 02:13:37 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 422461   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 322865   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 91760    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 96146    | 18.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.28%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 86525    | 21.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.40%  |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 139606   | 14.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.68%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 36557    | 30.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 61.44%  |
| 24) Chloroform-d               | 7.65   | 84    | 216454   | 21.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.80%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 108505   | 22.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.52%  |
| 29) Benzene-d6                 | 8.28   | 84    | 396328   | 24.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.44%  |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 115181   | 25.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.32% |
| 37) Toluene-d8                 | 10.33  | 98    | 351858   | 22.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.80%  |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 34563    | 16.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 67.44%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 24121    | 30.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.78%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 73895    | 18.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 74.60%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 71109    | 22.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.00%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.14 | 43 | 2362m | 2.965 ug/L |        |
| 16) Methylene chloride | 4.92 | 84 | 11570 | 2.031 ug/L | 95     |

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

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