

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111620\  
 Data File : VW017252.D  
 Acq On : 16 Nov 2020 13:23  
 Operator : SY/VA  
 Sample : L4739-08  
 Misc : 5.68G/10ML/MSVOA W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB0Z5

Manual Integrations  
 APPROVED

MMDadoda  
 11/17/2020 6:53:32 PM

Quant Time: Nov 17 16:14:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM110420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 17 06:08:23 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 477271   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 440552   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 200958   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 101981   | 16.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.84% |
| 7) Chloroethane-d5             | 2.89   | 69    | 90685    | 19.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.32% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 159459   | 14.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.32% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 54012    | 40.18    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.36% |
| 24) Chloroform-d               | 7.65   | 84    | 249963   | 22.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 89.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 134937m  | 24.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.44% |
| 29) Benzene-d6                 | 8.27   | 84    | 479896   | 21.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.56% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 136137   | 21.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 87.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 465119   | 21.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 87.96% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 60616    | 21.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 86.68% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47928    | 44.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.52% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 115118   | 21.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 162269   | 22.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.68% |

| Target Compounds |       |    |       |             | Ovalue |
|------------------|-------|----|-------|-------------|--------|
| 13) Acetone      | 4.13  | 43 | 16434 | 18.257 ug/L | 99     |
| 44) Toluene      | 10.39 | 91 | 6382  | 0.251 ug/L  | 100    |

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

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