

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082020\  
 Data File : VW016270.D  
 Acq On : 20 Aug 2020 16:46  
 Operator : SY/VA  
 Sample : L3767-06  
 Misc : 6.39G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSR4

Quant Time: Aug 21 04:40:21 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 21 03:27:50 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 315622   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 301815   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 115934   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 58543    | 14.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.84% |
| 7) Chloroethane-d5             | 2.89   | 69    | 49603    | 16.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.80% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 101838   | 12.25    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.00% |
| 20) 2-Butanone-d5              | 7.08   | 46    | 43490    | 42.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.48% |
| 24) Chloroform-d               | 7.65   | 84    | 170344   | 20.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 80.44% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 91322    | 20.30    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 81.20% |
| 29) Benzene-d6                 | 8.27   | 84    | 315084   | 19.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 76.76% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 97470    | 20.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 80.76% |
| 37) Toluene-d8                 | 10.32  | 98    | 280082   | 18.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 74.40% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 41933    | 19.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.28% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 38203    | 45.87    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 92016    | 23.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 100145   | 24.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.48% |

| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 37655  | 7.556 ug/L  | 91     |
| 47) Tetrachloroethene  | 10.87 | 164 | 123308 | 35.146 ug/L | 94     |

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

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