

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\  
 Data File : VW016236.D  
 Acq On : 18 Aug 2020 13:03  
 Operator : SY/VA  
 Sample : L3709-06  
 Misc : 5.91G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 19 06:36:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 19 05:49:31 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 431501   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 394702   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 161579   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 91553    | 17.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 68.44% |
| 7) Chloroethane-d5             | 2.90   | 69    | 75090    | 18.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.96% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 157576   | 13.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 55.48% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 45761    | 32.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.02% |
| 24) Chloroform-d               | 7.65   | 84    | 232197   | 20.05    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 80.20% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 112658   | 18.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 73.28% |
| 29) Benzene-d6                 | 8.27   | 84    | 452785   | 21.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.36% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 134326   | 21.27    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 85.08% |
| 37) Toluene-d8                 | 10.33  | 98    | 408177   | 20.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.92% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 52642    | 18.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.20% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 39106    | 35.90    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 71.80% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 99280    | 19.31    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 77.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 130316   | 22.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.00% |

| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 14640m | 2.149 ug/L  |        |
| 47) Tetrachloroethene  | 10.87 | 164 | 67583  | 14.730 ug/L | 93     |

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

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