

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW120718\  
 Data File : VW007322.D  
 Acq On : 07 Dec 2018 22:16  
 Operator : SY/AP  
 Sample : J6236-10  
 Misc : 5.83G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 F9E20

Quant Time: Dec 08 03:46:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120718S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 08 02:02:23 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 109243   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 90121    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 35083    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 21066    | 29.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 118.44% |
| 7) Chloroethane-d5             | 2.90   | 69    | 15657    | 25.98    | ug/L | 0.01    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.92% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 49057    | 19.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 79.96%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 18042    | 40.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.46%  |
| 24) Chloroform-d               | 7.65   | 84    | 65337    | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.44% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 41282    | 28.15    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 112.60% |
| 29) Benzene-d6                 | 8.27   | 84    | 130770   | 26.72    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 106.88% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 39227    | 28.08    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.32% |
| 37) Toluene-d8                 | 10.32  | 98    | 119740   | 26.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 104.36% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 16715    | 23.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 93.64%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 13698    | 40.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.48%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 30836    | 24.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 96.92%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 32803    | 26.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.32% |

| Target Compounds       | R.T. | QIon | Response | Conc  | Units | Qvalue |
|------------------------|------|------|----------|-------|-------|--------|
| 16) Methylene chloride | 4.92 | 84   | 2678     | 1.517 | ug/L  | 91     |

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

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