

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
 Data File : VW016094.D  
 Acq On : 08 Aug 2020 00:53  
 Operator : SY/VA  
 Sample : L3579-14  
 Misc : 7.14G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFS18

Quant Time: Aug 08 06:29:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 05:08:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 366866   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 296350   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 97826    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 66426    | 12.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 51.32%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 60568    | 14.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 57.64%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 117099   | 11.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 44.76%# |
| 20) 2-Butanone-d5              | 7.08   | 46    | 50098    | 36.84    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.68%  |
| 24) Chloroform-d               | 7.65   | 84    | 190745   | 18.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 74.04%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 102491   | 18.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 72.48%  |
| 29) Benzene-d6                 | 8.27   | 84    | 356813   | 19.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 79.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 114180   | 21.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.44%  |
| 37) Toluene-d8                 | 10.33  | 98    | 296177   | 18.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 41766    | 18.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 41835    | 46.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.92%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 91236    | 21.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 78600    | 20.61    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 82.44%  |

| Target Compounds       |       |     |        |              | Ovalue |
|------------------------|-------|-----|--------|--------------|--------|
| 16) Methylene chloride | 4.91  | 84  | 28963  | 4.818 ug/L   | 87     |
| 35) Trichloroethene    | 9.10  | 95  | 3966   | 0.833 ug/L   | 95     |
| 47) Tetrachloroethene  | 10.87 | 164 | 500265 | 135.361 ug/L | 95     |

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

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