

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080620\  
 Data File : VW016055.D  
 Acq On : 06 Aug 2020 19:52  
 Operator : SY/VA  
 Sample : L3564-07  
 Misc : 6.30G/10ML/MSVOA W/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSQ1

Quant Time: Aug 07 08:15:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 07 07:41:20 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 382269   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 347107   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 149176   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 67729    | 12.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 50.24%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 58075    | 13.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 53.04%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 112934   | 10.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 41.44%# |
| 20) 2-Butanone-d5              | 7.09   | 46    | 38330    | 27.05    | ug/L | 0.01    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 54.10%  |
| 24) Chloroform-d               | 7.65   | 84    | 183218   | 17.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 68.28%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 92327    | 15.67    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 62.68%# |
| 29) Benzene-d6                 | 8.27   | 84    | 357678   | 16.93    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 67.72%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 108130   | 17.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 68.28%# |
| 37) Toluene-d8                 | 10.32  | 98    | 315632   | 16.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 65.96%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39587    | 14.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 58.64%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 31564    | 29.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 59.86%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 82727    | 16.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 67.96%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 111548   | 19.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 76.72%  |

| Target Compounds      |       |     |      |            | Ovalue |
|-----------------------|-------|-----|------|------------|--------|
| 47) Tetrachloroethene | 10.86 | 164 | 2134 | 0.493 ug/L | 88     |

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

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