

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081818\  
 Data File : VW004729.D  
 Acq On : 16 Aug 2018 14:23  
 Operator : SY/AP  
 Sample : J4450-10MS  
 Misc : 4.43G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GAB08

Quant Time: Aug 16 18:41:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081418S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Aug 16 02:39:24 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 816884   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 721415   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.57 | 152  | 241487   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |        |       |          |          |      |          |
|----------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3             | 2.36   | 65    | 261599   | 20.15    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 80.60%   |
| 7) Chloroethane-d5               | 2.90   | 69    | 206303   | 20.55    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 150 | Recovery | =    | 82.20%   |
| 10) 1,1-Dichloroethene-d2        | 4.03   | 63    | 524186   | 22.07    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 45 - 110 | Recovery | =    | 88.28%   |
| 20) 2-Butanone-d5                | 7.09   | 46    | 209549   | 59.64    | ug/L | 0.00     |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 119.28%  |
| 24) Chloroform-d                 | 7.65   | 84    | 543352   | 24.82    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 40 - 150 | Recovery | =    | 99.28%   |
| 26) 1,2-Dichloroethane-d4        | 8.31   | 65    | 323409   | 27.88    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 70 - 130 | Recovery | =    | 111.52%  |
| 29) Benzene-d6                   | 8.27   | 84    | 1073030  | 26.52    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 20 - 135 | Recovery | =    | 106.08%  |
| 33) 1,2-Dichloropropane-d6       | 9.28   | 67    | 371154   | 29.53    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 70 - 120 | Recovery | =    | 118.12%  |
| 37) Toluene-d8                   | 10.33  | 98    | 914057   | 25.18    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 130 | Recovery | =    | 100.72%  |
| 38) trans-1,3-Dichloropropene-   | 10.58  | 79    | 151966   | 29.78    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 30 - 135 | Recovery | =    | 119.12%  |
| 39) 2-Hexanone-d5                | 10.93  | 63    | 196554   | 78.26    | ug/L | 0.00     |
| Spiked Amount                    | 50.000 | Range | 20 - 135 | Recovery | =    | 156.52%# |
| 48) 1,1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 350737   | 29.75    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 45 - 120 | Recovery | =    | 119.00%  |
| 61) 1,2-Dichlorobenzene-d4       | 13.87  | 152   | 245912   | 26.84    | ug/L | 0.00     |
| Spiked Amount                    | 25.000 | Range | 75 - 120 | Recovery | =    | 107.36%  |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 4.04  | 96   | 289169   | 23.64  | ug/L  | 94     |
| 13) Acetone            | 4.14  | 43   | 64720    | 20.08  | ug/L  | 99     |
| 34) Benzene            | 8.33  | 78   | 1368063  | 29.79  | ug/L  | 100    |
| 35) Trichloroethene    | 9.09  | 95   | 343042   | 29.68  | ug/L  | 99     |
| 44) Toluene            | 10.39 | 91   | 1391526  | 29.93  | ug/L  | 100    |
| 47) Tetrachloroethene  | 10.87 | 164  | 1401674  | 146.20 | ug/L  | 99     |
| 52) Chlorobenzene      | 11.66 | 112  | 813049   | 26.19  | ug/L  | 100    |

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

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