

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031819\  
 Data File : VW009222.D  
 Acq On : 18 Mar 2019 11:36  
 Operator : SY/VA  
 Sample : K1949-14  
 Misc : 4.86G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0Z5

Manual Integrations  
 APPROVED

MMDadoda  
 3/20/2019 9:18:48 AM

Quant Time: Mar 19 01:24:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 18 11:10:57 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 445470   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 420232   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 198814   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 141174   | 26.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.08% |
| 7) Chloroethane-d5             | 2.89   | 69    | 136972   | 21.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 87.96%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 220633   | 19.18    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.72%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 102255   | 46.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.90%  |
| 24) Chloroform-d               | 7.65   | 84    | 288243   | 23.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 94.84%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 173188m  | 23.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 29) Benzene-d6                 | 8.27   | 84    | 551919   | 23.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.24%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 164907   | 23.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.76%  |
| 37) Toluene-d8                 | 10.32  | 98    | 494230   | 23.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 92.24%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 78412    | 22.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.72%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 76297    | 45.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.52%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 154783   | 22.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 191838   | 25.16    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 100.64% |

| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

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

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