

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\  
 Data File : VW009783.D  
 Acq On : 06 Apr 2019 21:35  
 Operator : SY/VA  
 Sample : K2217-01  
 Misc : 5.58G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF611

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 11:43:13 AM

Quant Time: Apr 07 23:01:46 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM040319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sun Apr 07 05:36:41 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 455304   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 390124   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 126315   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 148114   | 24.86    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.44%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 144892   | 26.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.16%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 257856   | 20.12    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 80.48%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 64558    | 33.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.74%   |
| 24) Chloroform-d               | 7.64   | 84    | 356009m  | 28.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 114.64%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 221499   | 29.04    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.16%  |
| 29) Benzene-d6                 | 8.27   | 84    | 655203   | 31.99    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 127.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 208251   | 32.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 131.68%# |
| 37) Toluene-d8                 | 10.32  | 98    | 552978   | 29.20    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 116.80%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 66096    | 21.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.64%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 36249    | 30.40    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.80%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 151136   | 25.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 102.80%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 130873   | 29.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.12%  |

| Target Compounds       |      |    |       | Ovalue     |
|------------------------|------|----|-------|------------|
| 13) Acetone            | 4.11 | 43 | 6633m | 3.200 ug/L |
| 16) Methylene chloride | 4.91 | 84 | 9567m | 1.191 ug/L |

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

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