

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040619\  
 Data File : VW009785.D  
 Acq On : 06 Apr 2019 22:30  
 Operator : SY/VA  
 Sample : K2217-03  
 Misc : 4.85G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF614

Manual Integrations  
 APPROVED

MMDadoda  
 4/11/2019 11:43:15 AM

Quant Time: Apr 07 23:24:03 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  | 306190   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 275606   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 101227   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 122585   | 30.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 122.36%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 113302   | 30.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 123.48%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 210306   | 24.41    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 97.64%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 120240   | 92.43    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 184.86%# |
| 24) Chloroform-d               | 7.65   | 84    | 268424   | 32.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 128.52%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 177008m  | 34.51    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 138.04%# |
| 29) Benzene-d6                 | 8.27   | 84    | 499182   | 34.50    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 138.00%# |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 154691   | 34.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 138.48%# |
| 37) Toluene-d8                 | 10.32  | 98    | 423245   | 31.64    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 126.56%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 62294    | 29.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 116.92%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 75589    | 89.74    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 179.48%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 160749   | 38.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 154.76%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 118939   | 33.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 133.92%# |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 13) Acetone            | 4.12 | 43 | 8384  | 6.015 ug/L | 61     |
| 16) Methylene chloride | 4.92 | 84 | 7156m | 1.325 ug/L |        |

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

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