

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112719\  
 Data File : VW014164.D  
 Acq On : 27 Nov 2019 17:30  
 Operator : SY/VA  
 Sample : K6063-03RE  
 Misc : 5.39G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0BM9RE

Manual Integrations  
 APPROVED

MMDadoda  
 11/29/2019 9:42:09 AM

Quant Time: Nov 29 00:57:56 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Nov 28 07:23:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 172156   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 118599   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 22303    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 42157    | 15.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.40%   |
| 7) Chloroethane-d5             | 2.88   | 69    | 44052    | 19.78    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.12%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 67662    | 12.00    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 48.00%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 56315    | 70.57    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 141.14%# |
| 24) Chloroform-d               | 7.64   | 84    | 137952   | 26.06    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 104.24%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 71773    | 26.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.88%  |
| 29) Benzene-d6                 | 8.27   | 84    | 257759   | 30.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 122.52%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 92074    | 37.35    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 149.40%# |
| 37) Toluene-d8                 | 10.32  | 98    | 180832   | 22.66    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.64%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 17814    | 16.87    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 67.48%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 32975    | 70.54    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 141.08%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 79559    | 42.74    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 170.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 39039    | 43.57    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 174.28%# |

| Target Compounds |      |    |       | Ovalue     |
|------------------|------|----|-------|------------|
| 13) Acetone      | 4.12 | 43 | 3559m | 4.383 ug/L |

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

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