

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032619\  
 Data File : VW009489.D  
 Acq On : 27 Mar 2019 03:16  
 Operator : SY/VA  
 Sample : K2065-16  
 Misc : 5.56G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5P8

Manual Integrations  
 APPROVED

MMDadoda  
 3/30/2019 12:37:44 PM

Quant Time: Mar 27 09:23:38 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 27 08:01:36 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 302167   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 285257   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 110722   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 60095    | 16.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.56% |
| 7) Chloroethane-d5             | 2.89   | 69    | 71283    | 16.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.48% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 103484   | 13.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.04% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 62269    | 41.70    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.40% |
| 24) Chloroform-d               | 7.64   | 84    | 190592   | 23.11    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.44% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 120360   | 24.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.92% |
| 29) Benzene-d6                 | 8.27   | 84    | 320384   | 20.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.48% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 112726   | 23.86    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 95.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 263343   | 18.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.40% |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 42748    | 18.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.04% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42324    | 36.98    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 73.96% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 105445   | 22.66    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.64% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 91539    | 21.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 86.24% |

| Target Compounds       |      |    |        | Ovalue     |
|------------------------|------|----|--------|------------|
| 13) Acetone            | 4.13 | 43 | 5964m  | 4.870 ug/L |
| 16) Methylene chloride | 4.92 | 84 | 15495m | 3.516 ug/L |

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

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