

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\  
 Data File : VW009449.D  
 Acq On : 26 Mar 2019 01:18  
 Operator : SY/VA  
 Sample : K2065-01  
 Misc : 5.45G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5J4

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 12:15:22 PM

Quant Time: Mar 26 10:23:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 26 09:00:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 354986   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 358707   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 162826   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 68956    | 16.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 65.04%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 83460    | 16.81    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 67.24%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 122262   | 13.33    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.32%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 91697    | 52.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 104.54% |
| 24) Chloroform-d               | 7.64   | 84    | 221384   | 22.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.40%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 150806   | 25.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.36% |
| 29) Benzene-d6                 | 8.27   | 84    | 384687   | 19.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 77.80%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 133908   | 22.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.16%  |
| 37) Toluene-d8                 | 10.32  | 98    | 336424   | 18.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 73.56%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 58564    | 19.63    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 78.52%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 64072    | 44.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.04%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 142973   | 24.43    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.72%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 145223   | 23.26    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.04%  |

| Target Compounds       |      |    |        | Ovalue     |
|------------------------|------|----|--------|------------|
| 16) Methylene chloride | 4.92 | 84 | 10598m | 2.047 ug/L |

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

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