

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\  
 Data File : VW009505.D  
 Acq On : 27 Mar 2019 16:12  
 Operator : SY/VA  
 Sample : K2068-08  
 Misc : 5.70G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFC98

Manual Integrations  
 APPROVED

MMDadoda  
 3/28/2019 2:47:47 PM

Quant Time: Mar 28 07:04:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 04:55:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 351912   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 337728   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 143842   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 78954    | 18.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.08% |
| 7) Chloroethane-d5             | 2.89   | 69    | 88774    | 18.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 72.16% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 130544   | 14.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.44% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 68536    | 39.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.82% |
| 24) Chloroform-d               | 7.64   | 84    | 220216   | 22.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 127956   | 22.12    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 88.48% |
| 29) Benzene-d6                 | 8.27   | 84    | 373211   | 20.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 80.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 123072   | 22.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.00% |
| 37) Toluene-d8                 | 10.32  | 98    | 316362   | 18.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 73.48% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50231    | 17.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.52% |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 44236    | 32.65    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.30% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 113504   | 20.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 82.40% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 122461   | 22.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 88.80% |

| Target Compounds       |      |    |        |             | Ovalue |
|------------------------|------|----|--------|-------------|--------|
| 13) Acetone            | 4.12 | 43 | 14565  | 10.212 ug/L | 94     |
| 16) Methylene chloride | 4.91 | 84 | 31788m | 6.194 ug/L  |        |
| 21) 2-Butanone         | 7.18 | 43 | 4083m  | 2.073 ug/L  |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW032719\  
Data File : VW009505.D  
Acq On : 27 Mar 2019 16:12  
Operator : SY/VA  
Sample : K2068-08  
Misc : 5.70G/10ML/MSVOA W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
BFC98

Manual Integrations  
APPROVED

MMDadoda  
3/28/2019 2:47:47 PM

Quant Time: Mar 28 07:04:28 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Mar 28 04:55:04 2019  
Response via : Initial Calibration

