

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042619\  
 Data File : VW010168.D  
 Acq On : 26 Apr 2019 23:20  
 Operator : SY/VA  
 Sample : K2596-12  
 Misc : 4.31G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFH59

Quant Time: Apr 27 01:24:22 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM042419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 27 00:45:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 335093   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 335382   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 127902   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 61604    | 19.23    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.92%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 58770    | 22.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 88.80%  |
| 10) 1,1-Dichloroethene-d2      | 4.00   | 63    | 127114   | 13.52    | ug/L | -0.02   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 54.08%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 66963    | 44.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 88.54%  |
| 24) Chloroform-d               | 7.65   | 84    | 222778   | 24.97    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 145202   | 27.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.32% |
| 29) Benzene-d6                 | 8.27   | 84    | 402249   | 21.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.72%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 145218   | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.08%  |
| 37) Toluene-d8                 | 10.32  | 98    | 342948   | 19.88    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.52%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 46847    | 17.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 68.68%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 46768    | 37.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 75.16%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 128082   | 26.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.24% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 115896   | 24.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.88%  |

| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 13) Acetone      | 4.13 | 43 | 3668 | 3.213 ug/L | 81     |

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

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