

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010719\  
 Data File : VV009186.D  
 Acq On : 07 Jan 2019 16:56  
 Operator : SY/MD  
 Sample : K1050-09  
 Misc : 5.76G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BE9W6

Quant Time: Jan 08 00:55:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM010419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 08 00:28:03 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 252942   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 234903   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 114452   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 35503    | 20.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.12%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 35915    | 21.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.60%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 93102    | 16.10    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 64.40%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 46956    | 38.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.16%  |
| 24) Chloroform-d               | 4.40   | 84    | 133138   | 25.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.00% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 76568    | 26.87    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 107.48% |
| 29) Benzene-d6                 | 5.10   | 84    | 259483   | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.16%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 79615    | 26.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.12% |
| 37) Toluene-d8                 | 7.36   | 98    | 231266   | 23.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 93.68%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 34674    | 24.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.40%  |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 29460    | 41.60    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.20%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 80867    | 24.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 98.08%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 100052   | 25.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.44% |

| Target Compounds       |      |    |       |             | Ovalue |
|------------------------|------|----|-------|-------------|--------|
| 13) Acetone            | 2.21 | 43 | 20976 | 12.160 ug/L | 95     |
| 16) Methylene chloride | 2.53 | 84 | 83816 | 22.180 ug/L | 98     |
| 44) Toluene            | 7.43 | 91 | 21519 | 1.581 ug/L  | 99     |

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

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