

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031019\  
 Data File : VV009570.D  
 Acq On : 10 Mar 2019 16:40  
 Operator : SY/MD  
 Sample : K1818-21  
 Misc : 5.83G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF0S1

Quant Time: Mar 11 09:21:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 11 04:48:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 124041   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 120873   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 55412    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24242    | 16.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.96%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 26281    | 12.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 48.68%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 54838    | 14.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.44%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 25465    | 50.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.10% |
| 24) Chloroform-d               | 4.40   | 84    | 49198    | 16.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 66.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 41651    | 24.78    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.12%  |
| 29) Benzene-d6                 | 5.10   | 84    | 128727   | 21.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.00%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 41130    | 23.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 93.12%  |
| 37) Toluene-d8                 | 7.36   | 98    | 124623   | 21.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.40%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 18124    | 21.17    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 84.68%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 18755    | 45.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.98%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 44498    | 23.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 46014    | 22.75    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 91.00%  |

| Target Compounds      |      |     |      |            | Ovalue |
|-----------------------|------|-----|------|------------|--------|
| 13) Acetone           | 2.19 | 43  | 3477 | 6.721 ug/L | 93     |
| 47) Tetrachloroethene | 8.02 | 164 | 7104 | 5.218 ug/L | 90     |

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

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