

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV031119\  
 Data File : VV009594.D  
 Acq On : 11 Mar 2019 14:57  
 Operator : SY/MD  
 Sample : K1838-07  
 Misc : 6.04G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF2L4

Quant Time: Mar 12 12:31:19 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM030519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 12 04:11:52 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 126793   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 126475   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 55474    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24197    | 15.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 63.40%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 30049    | 13.61    | ug/L | -0.02   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 54.44%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 59376    | 14.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 59.80%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 30266    | 58.19    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 116.38% |
| 24) Chloroform-d               | 4.40   | 84    | 60374    | 19.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.96%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 45854    | 26.69    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 106.76% |
| 29) Benzene-d6                 | 5.10   | 84    | 133637   | 21.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.32%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 43536    | 23.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.20%  |
| 37) Toluene-d8                 | 7.36   | 98    | 127986   | 20.96    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 83.84%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 19088    | 21.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.24%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 23918    | 55.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.88% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 51662    | 26.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 104.92% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 49061    | 24.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.92%  |

| Target Compounds      |      |     |       |             | Qvalue |
|-----------------------|------|-----|-------|-------------|--------|
| 47) Tetrachloroethene | 8.02 | 164 | 63879 | 44.843 ug/L | 95     |

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

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