

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031419\  
 Data File : VV009676.D  
 Acq On : 14 Mar 2019 19:51  
 Operator : SY/MD  
 Sample : K1885-13  
 Misc : 6.22G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF197

Quant Time: Mar 15 12:41:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 15 04:30:02 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 112782   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 109237   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 44511    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 37755    | 26.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 104.72% |
| 7) Chloroethane-d5             | 1.57   | 69    | 36125    | 20.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.20%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 76155    | 19.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.16%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 24098    | 63.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 127.58% |
| 24) Chloroform-d               | 4.40   | 84    | 70128    | 24.39    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 47397    | 29.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 116.52% |
| 29) Benzene-d6                 | 5.10   | 84    | 153825   | 26.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 107.40% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 47280    | 28.24    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 112.96% |
| 37) Toluene-d8                 | 7.36   | 98    | 147185   | 26.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 106.20% |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 19382    | 25.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 100.76% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 17841    | 57.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 115.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 45510    | 28.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 114.84% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 45704    | 26.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.04% |

| Target Compounds       |      |     |       |             | Ovalue |
|------------------------|------|-----|-------|-------------|--------|
| 16) Methylene chloride | 2.53 | 84  | 5226  | 3.183 ug/L  | 95     |
| 47) Tetrachloroethene  | 8.02 | 164 | 48084 | 35.399 ug/L | 95     |

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

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