

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV031119\  
 Data File : VV009595.D  
 Acq On : 11 Mar 2019 15:23  
 Operator : SY/MD  
 Sample : VIBLK81  
 Misc : 5.00G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VIBLK81

Quant Time: Mar 12 04:32:42 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  | 147784   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 143618   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 60556    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 37596    | 21.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.52%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 39362    | 15.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.20%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 83056    | 17.94    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.76%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 29162    | 48.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 96.22%  |
| 24) Chloroform-d               | 4.40   | 84    | 80584    | 22.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 51654    | 25.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 103.16% |
| 29) Benzene-d6                 | 5.10   | 84    | 174671   | 24.56    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.24%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 52942    | 25.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.88% |
| 37) Toluene-d8                 | 7.36   | 98    | 166944   | 24.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.28%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 21753    | 21.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 85.52%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 22553    | 46.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 92.08%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 52625    | 23.53    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.12%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 53327    | 24.12    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.48%  |

| Target Compounds       |      |    |      |            | Qvalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.54 | 84 | 3966 | 2.045 ug/L | 96     |

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

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