

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV100919\  
 Data File : VV013073.D  
 Acq On : 09 Oct 2019 14:17  
 Operator : SY/MD  
 Sample : K5265-02MS  
 Misc : 4.73G/10ML/MSVOA\_V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBAR1MS

Quant Time: Oct 10 08:33:53 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM092319S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 10 07:47:18 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 729375   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 701446   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 306202   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 166719   | 14.73    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 58.92% |
| 7) Chloroethane-d5             | 1.58   | 69    | 166990   | 18.25    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.00% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 347743   | 18.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.92% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 122167   | 31.26    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 62.52% |
| 24) Chloroform-d               | 4.40   | 84    | 377147   | 18.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 75.28% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 216174   | 18.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 74.24% |
| 29) Benzene-d6                 | 5.10   | 84    | 736006   | 18.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 75.16% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 246503   | 20.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 80.32% |
| 37) Toluene-d8                 | 7.36   | 98    | 629989   | 17.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 70.88% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 90613    | 17.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.72% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 83867    | 33.95    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 67.90% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 200879   | 17.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 68.92% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 240040   | 20.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 80.72% |

## Target Compounds

| Target Compounds       | R.T. | QIon | Response | Conc   | Units | Qvalue |
|------------------------|------|------|----------|--------|-------|--------|
| 12) 1,1-Dichloroethene | 2.14 | 96   | 215497   | 26.137 | ug/L  | 93     |
| 34) Benzene            | 5.14 | 78   | 989456   | 25.341 | ug/L  | 100    |
| 35) Trichloroethene    | 5.96 | 95   | 245532   | 22.574 | ug/L  | 99     |
| 44) Toluene            | 7.43 | 91   | 1042933  | 25.326 | ug/L  | 98     |
| 52) Chlorobenzene      | 8.92 | 112  | 676823   | 23.817 | ug/L  | 98     |

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

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