

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052219\  
 Data File : VV011019.D  
 Acq On : 22 May 2019 15:39  
 Operator : SY/MD  
 Sample : K3006-05  
 Misc : 3.41G/10ML/MSVOA V/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFHC0

Quant Time: May 23 08:59:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu May 23 08:00:26 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 117398   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 111583   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 42043    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 20905    | 15.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 62.48% |
| 7) Chloroethane-d5             | 1.57   | 69    | 16113    | 17.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 71.12% |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 31698    | 12.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.28% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 19887    | 43.06    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 86.12% |
| 24) Chloroform-d               | 4.40   | 84    | 47331    | 15.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 62.24% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 35564    | 19.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.40% |
| 29) Benzene-d6                 | 5.10   | 84    | 121578   | 19.96    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 79.84% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 41687    | 21.54    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 86.16% |
| 37) Toluene-d8                 | 7.36   | 98    | 101862   | 17.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 71.96% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 14067    | 17.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 70.80% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 14749    | 40.85    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 81.70% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 37509    | 19.41    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 77.64% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 35123    | 20.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 82.32% |

| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 13) Acetone      | 2.19 | 43 | 2685 | 6.029 ug/L | 99     |

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

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