

Data File : VV010882.D  
Acq On : 15 May 2019 02:28  
Operator : SY/MD  
Sample : K2798-10  
Misc : 4.11G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB880

Quant Time: May 15 08:37:40 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM051319S.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 15 08:08:35 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 144086   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 131969   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 44536    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 33720    | 18.37    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.48% |
| 7) Chloroethane-d5             | 1.56   | 69    | 28443    | 23.77    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.08% |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 49636    | 14.29    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 57.16% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 18665    | 32.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.64% |
| 24) Chloroform-d               | 4.39   | 84    | 69993    | 16.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 67.32% |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 49161    | 20.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.16% |
| 29) Benzene-d6                 | 5.09   | 84    | 173680   | 23.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.12% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 57833    | 24.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 99.28% |
| 37) Toluene-d8                 | 7.36   | 98    | 148329   | 21.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.52% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 18298    | 18.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 72.00% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 12086    | 27.37    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 54.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 41542    | 19.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.88% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 40794    | 21.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.72% |

| Target Compounds |      |    |       |             | Qvalue |
|------------------|------|----|-------|-------------|--------|
| 13) Acetone      | 2.19 | 43 | 29652 | 50.406 ug/L | 95     |

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

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