

Data File : VV010876.D  
Acq On : 14 May 2019 23:42  
Operator : SY/MD  
Sample : K2798-05MSD  
Misc : 4.70G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB875MSD

Quant Time: May 15 08:21:16 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  | 135482   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 135216   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 58338    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 35328    | 20.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 81.88% |
| 7) Chloroethane-d5             | 1.57   | 69    | 27741    | 24.66    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.64% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 74405    | 22.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 91.12% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 22588    | 41.59    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.18% |
| 24) Chloroform-d               | 4.40   | 84    | 77777    | 19.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.52% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 46176    | 20.76    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.04% |
| 29) Benzene-d6                 | 5.10   | 84    | 164989   | 22.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 88.16% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 53494    | 22.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 89.60% |
| 37) Toluene-d8                 | 7.36   | 98    | 146118   | 20.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 81.28% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 19269    | 18.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.00% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 16951    | 37.46    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.92% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 41391    | 18.69    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 74.76% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 54289    | 22.28    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.12% |

| Target Compounds       |      |     |        |             | Qvalue |
|------------------------|------|-----|--------|-------------|--------|
| 12) 1,1-Dichloroethene | 2.14 | 96  | 41170  | 26.370 ug/L | 89     |
| 13) Acetone            | 2.19 | 43  | 1549   | 2.800 ug/L  | 74     |
| 34) Benzene            | 5.14 | 78  | 195799 | 24.845 ug/L | 100    |
| 35) Trichloroethene    | 5.96 | 95  | 49467  | 24.218 ug/L | 99     |
| 44) Toluene            | 7.43 | 91  | 214304 | 24.463 ug/L | 97     |
| 52) Chlorobenzene      | 8.92 | 112 | 140357 | 23.525 ug/L | 99     |

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

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