

Data File : VV010864.D  
Acq On : 14 May 2019 16:06  
Operator : SY/MD  
Sample : K2737-16  
Misc : 4.81G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB864

Quant Time: May 15 07:53:51 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM051319S.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 15 06:52:21 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 69184    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 81146    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 32790    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 13471    | 15.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.12%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 12847    | 22.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.44%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 20634    | 12.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 49.48%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 13644    | 49.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 98.40%  |
| 24) Chloroform-d               | 4.40   | 84    | 49608    | 24.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.36%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 33352    | 29.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 117.48% |
| 29) Benzene-d6                 | 5.10   | 84    | 91517    | 20.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 81.52%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 33795    | 23.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.32%  |
| 37) Toluene-d8                 | 7.36   | 98    | 78581    | 18.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 72.84%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 11676    | 18.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.72%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 9261     | 34.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.22%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 32357    | 24.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.40%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 33115    | 24.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.72%  |

| Target Compounds       |      |    |      |             | Qvalue |
|------------------------|------|----|------|-------------|--------|
| 13) Acetone            | 2.19 | 43 | 2907 | 10.292 ug/L | 66     |
| 16) Methylene chloride | 2.53 | 84 | 4396 | 3.937 ug/L  | 94     |

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

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