

Data File : VV010283.D  
Acq On : 12 Apr 2019 13:19  
Operator : SY/MD  
Sample : K2328-23  
Misc : 4.55G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
DB741

Quant Time: Apr 14 20:12:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041019S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 13 04:47:32 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 8819     | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.91  | 117  | 4702     | 25.00 | ug/L  | 0.01     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 1149     | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 1986     | 19.56    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.24%   |
| 7) Chloroethane-d5             | 1.59   | 69    | 2142     | 24.55    | ug/L | 0.02     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.20%   |
| 10) 1,1-Dichloroethene-d2      | 2.14   | 63    | 2942     | 11.39    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 45.56%   |
| 20) 2-Butanone-d5              | 3.95   | 46    | 45       | 1.75     | ug/L | 0.02     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 3.50%#   |
| 24) Chloroform-d               | 4.41   | 84    | 3882     | 19.28    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 77.12%   |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 1624     | 14.16    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 56.64%#  |
| 29) Benzene-d6                 | 5.10   | 84    | 8978     | 39.60    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 158.40%# |
| 33) 1,2-Dichloropropane-d6     | 6.13   | 67    | 3060     | 45.38    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 181.52%# |
| 37) Toluene-d8                 | 7.37   | 98    | 5990     | 27.09    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 108.36%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 541      | 19.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.96%   |
| 39) 2-Hexanone-d5              | 8.18   | 63    | 67       | 5.75     | ug/L | 0.05     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 11.50%#  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 1629     | 26.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 107.64%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 988      | 23.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.12%   |

Target Compounds Qvalue

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

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