

Data File : VV010664.D  
Acq On : 03 May 2019 17:39  
Operator : SY/MD  
Sample : K2603-06RE  
Misc : 5.01G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: May 04 00:51:22 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 03 23:50:43 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 9395     | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 6963     | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 1402     | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 2471     | 20.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 83.08%   |
| 7) Chloroethane-d5             | 1.59   | 69    | 2147     | 25.79    | ug/L | 0.02     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 103.16%  |
| 10) 1,1-Dichloroethene-d2      | 2.14   | 63    | 4548     | 21.80    | ug/L | 0.02     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 87.20%   |
| 20) 2-Butanone-d5              | 0.00   | 46    | 0d       | 0.00     | ug/L |          |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 0.00%#   |
| 24) Chloroform-d               | 4.41   | 84    | 6386     | 26.32    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 105.28%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 3222     | 23.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.68%   |
| 29) Benzene-d6                 | 5.11   | 84    | 12825    | 35.54    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 142.16%# |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 3581     | 32.39    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 129.56%# |
| 37) Toluene-d8                 | 7.37   | 98    | 10390    | 29.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 119.88%  |
| 38) trans-1,3-Dichloropropene- | 7.68   | 79    | 864      | 18.91    | ug/L | 0.02     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.64%   |
| 39) 2-Hexanone-d5              | 8.15   | 63    | 596m     | 30.28    | ug/L | 0.02     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.56%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 2281     | 22.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.60%   |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 1602     | 29.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.80%  |

| Target Compounds |      |    |      |            | Qvalue |
|------------------|------|----|------|------------|--------|
| 44) Toluene      | 7.44 | 91 | 1408 | 3.833 ug/L | 97     |

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

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