

Data File : VV010920.D  
Acq On : 16 May 2019 03:21  
Operator : SY/MD  
Sample : K2853-02  
Misc : 7.27G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A51A5

Quant Time: May 16 09:21:08 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM051319S.M  
Quant Title : VOC Analysis  
QLast Update : Thu May 16 08:09:42 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 96774    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 90091    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 30638    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 23053    | 18.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 74.80%   |
| 7) Chloroethane-d5             | 1.56   | 69    | 19039    | 23.69    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.76%   |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 36215    | 15.52    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.08%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 28813    | 74.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 148.56%# |
| 24) Chloroform-d               | 4.39   | 84    | 60814    | 21.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 87.08%   |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 38874    | 24.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 97.88%   |
| 29) Benzene-d6                 | 5.09   | 84    | 118272   | 23.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.88%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 39100    | 24.58    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.32%   |
| 37) Toluene-d8                 | 7.36   | 98    | 95286    | 19.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.56%   |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 14302    | 20.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 82.44%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 20183    | 66.95    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 133.90%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 42212    | 28.61    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 114.44%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 27381    | 21.40    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 85.60%   |

#### Target Compounds

|                            |      |     |         |          |      | Qvalue |
|----------------------------|------|-----|---------|----------|------|--------|
| 13) Acetone                | 2.18 | 43  | 6741    | 17.061   | ug/L | 97     |
| 14) Carbon disulfide       | 2.30 | 76  | 9497    | 2.827    | ug/L | 99     |
| 22) cis-1,2-Dichloroethene | 3.95 | 96  | 156639  | 100.759  | ug/L | 99     |
| 31) 1,1,1-Trichloroethane  | 4.65 | 97  | 19019   | 9.720    | ug/L | 99     |
| 35) Trichloroethene        | 5.96 | 95  | 5447455 | 4002.740 | ug/L | 99     |
| 44) Toluene                | 7.43 | 91  | 4493    | 0.770    | ug/L | 97     |
| 47) Tetrachloroethene      | 8.02 | 164 | 233685  | 232.383  | ug/L | 94     |

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

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