

Data File : VV010006.D  
Acq On : 29 Mar 2019 17:20  
Operator : SY/MD  
Sample : K2084-04RE  
Misc : 3.65G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF7W6RE

Quant Time: Mar 30 05:00:45 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM032619S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Mar 30 04:13:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 137040   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 118922   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 34389    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 68689    | 24.70    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.80%   |
| 7) Chloroethane-d5             | 1.57   | 69    | 78591    | 26.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 104.68%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 154041   | 20.25    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 81.00%   |
| 20) 2-Butanone-d5              | 3.93   | 46    | 21246    | 41.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.00%   |
| 24) Chloroform-d               | 4.40   | 84    | 88011    | 25.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.84%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 61943    | 29.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 117.92%  |
| 29) Benzene-d6                 | 5.10   | 84    | 191815   | 30.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 122.84%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 61446    | 33.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 134.52%# |
| 37) Toluene-d8                 | 7.36   | 98    | 158135   | 26.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.00%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 13035    | 17.44    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 69.76%   |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 13287    | 38.96    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.92%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 42683    | 23.59    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.36%   |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 33613    | 25.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.68%  |

| Target Compounds       |      |    |       |       |      | Qvalue |
|------------------------|------|----|-------|-------|------|--------|
| 13) Acetone            | 2.18 | 43 | 5579  | 7.111 | ug/L | 93     |
| 16) Methylene chloride | 2.53 | 84 | 11979 | 5.308 | ug/L | 96     |

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

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