

Data File : VV009675.D  
Acq On : 14 Mar 2019 19:24  
Operator : SY/MD  
Sample : K1885-12  
Misc : 6.38G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Mar 15 05:44:33 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM031319S.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 15 04:30:02 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 125894   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 122912   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 49797    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 36997    | 22.98    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 91.92%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 39311    | 19.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.16%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 79635    | 18.30    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.20%  |
| 20) 2-Butanone-d5              | 3.93   | 46    | 25225m   | 59.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 119.64% |
| 24) Chloroform-d               | 4.40   | 84    | 70806    | 22.06    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 88.24%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 50026    | 27.55    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 110.20% |
| 29) Benzene-d6                 | 5.10   | 84    | 157641   | 24.45    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.80%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 47695    | 25.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.28% |
| 37) Toluene-d8                 | 7.36   | 98    | 148583   | 23.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.28%  |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 20072    | 23.19    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.76%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 18633    | 53.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 107.42% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 47013    | 26.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 105.44% |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 47180    | 24.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.84%  |

| Target Compounds       |      |     |       |        |      | Qvalue |
|------------------------|------|-----|-------|--------|------|--------|
| 16) Methylene chloride | 2.53 | 84  | 5119  | 2.793  | ug/L | 91     |
| 25) Chloroform         | 4.42 | 83  | 8699  | 2.659  | ug/L | 90     |
| 47) Tetrachloroethene  | 8.02 | 164 | 78232 | 51.186 | ug/L | 96     |

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

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