

Data File : VV011169.D  
Acq On : 31 May 2019 08:29  
Operator : SY/MD  
Sample : VIBLK42  
Misc : 5.00G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK42

Manual Integrations  
APPROVED

MMDadoda  
6/3/2019 5:32:26 AM

Quant Time: May 31 23:25:08 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 31 23:16:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 368868   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 370031   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 153495   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 96116    | 19.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 77.04% |
| 7) Chloroethane-d5             | 1.55   | 69    | 81314    | 21.19    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 84.76% |
| 10) 1,1-Dichloroethene-d2      | 2.11   | 63    | 135680m  | 13.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.96% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 79446    | 43.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.10% |
| 24) Chloroform-d               | 4.39   | 84    | 152994   | 16.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 67.88% |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 117467   | 19.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.96% |
| 29) Benzene-d6                 | 5.09   | 84    | 393480   | 19.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 78.32% |
| 33) 1,2-Dichloropropane-d6     | 6.11   | 67    | 127706   | 19.83    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 79.32% |
| 37) Toluene-d8                 | 7.36   | 98    | 388908   | 20.51    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.04% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 53863    | 18.49    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 73.96% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 64375    | 43.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.98% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 125229   | 21.58    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 86.32% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 128537   | 22.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.52% |

| Target Compounds |    |  |  |  | Qvalue |
|------------------|----|--|--|--|--------|
| 13) Acetone      | 2. |  |  |  |        |

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