

Data File : VV011146.D  
Acq On : 30 May 2019 20:04  
Operator : SY/MD  
Sample : K2948-05  
Misc : 5.09G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK01

Manual Integrations  
APPROVED

MMDadoda  
6/1/2019 4:45:11 AM

Quant Time: May 31 02:30:44 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM053019S.M  
Quant Title : VOC Analysis  
QLast Update : Fri May 31 01:43:46 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 331358   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 314872   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 148194   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 101809   | 22.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.84%  |
| 7) Chloroethane-d5             | 1.56   | 69    | 81979    | 23.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 95.16%  |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 165746m  | 18.01    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 72.04%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 84186    | 51.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 102.76% |
| 24) Chloroform-d               | 4.40   | 84    | 184472   | 22.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.08%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 134683   | 25.52    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 102.08% |
| 29) Benzene-d6                 | 5.09   | 84    | 435884   | 25.49    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 101.96% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 141920   | 25.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.60% |
| 37) Toluene-d8                 | 7.36   | 98    | 407860   | 25.28    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 101.12% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 60399    | 24.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 97.44%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 66206    | 53.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.34% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 127834   | 25.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 103.56% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 143583   | 25.89    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.56% |

Target Compounds Qvalue

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

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