

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121319\  
 Data File : VY000938.D  
 Acq On : 13 Dec 2019 10:50  
 Operator : SY/MD  
 Sample : VY1213SBL01  
 Misc : 5.00G/10ML/MSVOA Y/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VBLK780

Quant Time: Dec 14 06:01:36 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SFAMYL110519SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Nov 12 09:49:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.69  | 114  | 461162   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 418966   | 25.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 191136   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.24   | 65    | 124415   | 17.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.84%  |
| 7) Chloroethane-d5             | 2.76   | 69    | 121030   | 19.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.08%  |
| 11) 1,1-Dichloroethene-d2      | 3.85   | 63    | 194020   | 15.91    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 63.64%  |
| 21) 2-Butanone-d5              | 6.89   | 46    | 162104   | 52.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 105.10% |
| 24) Chloroform-d               | 7.49   | 84    | 259551   | 21.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.36%  |
| 26) 1,2-Dichloroethane-d4      | 8.14   | 65    | 151654   | 20.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.60%  |
| 32) Benzene-d6                 | 8.11   | 84    | 571440   | 23.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 94.36%  |
| 36) 1,2-Dichloropropane-d6     | 9.12   | 67    | 186093   | 25.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.80% |
| 41) Toluene-d8                 | 10.17  | 98    | 509034   | 22.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 90.40%  |
| 43) trans-1,3-Dichloropropene- | 10.44  | 79    | 81360    | 21.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.32%  |
| 47) 2-Hexanone-d5              | 10.78  | 63    | 122475   | 53.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 106.00% |
| 56) 1,1,2,2-Tetrachloroethane- | 12.55  | 84    | 183463   | 22.95    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 91.80%  |
| 66) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 174050   | 23.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 93.24%  |

| Target Compounds       |      |    |      |              | Ovalue |
|------------------------|------|----|------|--------------|--------|
| 13) Acetone            | 3.94 | 43 | 7538 | 2.561 ug/L   | 98     |
| 16) Methylene chloride | 4.72 | 84 | 7728 | 1.028 ug/L # | 64     |

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

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