

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121219\  
 Data File : VW014329.D  
 Acq On : 12 Dec 2019 16:36  
 Operator : SY/VA  
 Sample : K6236-19  
 Misc : 6.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFEZ6

Manual Integrations  
 APPROVED

apatel  
 12/16/2019 1:01:52 PM

Quant Time: Dec 13 07:29:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM120519S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Dec 13 06:08:10 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1134188  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1031514  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 476143   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 371993   | 21.66    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 86.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 303081   | 23.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 94.92%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 538124m  | 17.74    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 70.96%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 189846   | 42.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.84%  |
| 24) Chloroform-d               | 7.65   | 84    | 704725   | 24.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 360695m  | 23.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 95.28%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1519038  | 25.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 100.52% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 471758   | 25.36    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 101.44% |
| 37) Toluene-d8                 | 10.32  | 98    | 1372668  | 25.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 100.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 176355   | 22.60    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.40%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 148211   | 40.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 80.16%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 323137   | 21.32    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.28%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 460193   | 25.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 101.16% |

| Target Compounds       |       |     |       |            | Ovalue |
|------------------------|-------|-----|-------|------------|--------|
| 13) Acetone            | 4.12  | 43  | 19453 | 4.508 ug/L | 100    |
| 16) Methylene chloride | 4.91  | 84  | 69651 | 4.006 ug/L | 95     |
| 56) Styrene            | 12.18 | 104 | 16740 | 0.361 ug/L | 88     |

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

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