

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101419\  
 Data File : VW013568.D  
 Acq On : 14 Oct 2019 17:43  
 Operator : SY/VA  
 Sample : K5354-02RE  
 Misc : 4.03G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFB88RE

Quant Time: Oct 15 02:09:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM101019S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 15 02:01:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 207828   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 148061   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 40886    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 46664    | 19.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 78.48%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 42829    | 23.45    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.80%   |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 72498    | 14.68    | ug/L | -0.01    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.72%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 43266    | 60.39    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 120.78%  |
| 24) Chloroform-d               | 7.65   | 84    | 115074   | 25.49    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 101.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 63545    | 27.17    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 108.68%  |
| 29) Benzene-d6                 | 8.27   | 84    | 228148   | 28.77    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 115.08%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 75493    | 32.08    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 128.32%# |
| 37) Toluene-d8                 | 10.32  | 98    | 178552   | 23.72    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.88%   |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 24343    | 23.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.88%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 31106    | 66.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 132.18%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 57047    | 30.24    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 120.96%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 36680    | 24.96    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.84%   |

| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

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

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