

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW120219\  
 Data File : VW014202.D  
 Acq On : 02 Dec 2019 14:35  
 Operator : SY/VA  
 Sample : K6089-12RE  
 Misc : 4.37G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0BR0RE

Quant Time: Dec 02 17:51:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM111119S.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Dec 02 16:00:46 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 209551   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 164223   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 46389    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 51756    | 15.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 61.92%   |
| 7) Chloroethane-d5             | 2.89   | 69    | 58059    | 21.42    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.68%   |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 91422    | 13.32    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 53.28%   |
| 20) 2-Butanone-d5              | 7.07   | 46    | 73453    | 75.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 151.24%# |
| 24) Chloroform-d               | 7.65   | 84    | 176971   | 27.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 109.88%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 99634    | 30.76    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 123.04%  |
| 29) Benzene-d6                 | 8.27   | 84    | 337123   | 28.93    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 115.72%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 119193   | 34.92    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 139.68%# |
| 37) Toluene-d8                 | 10.32  | 98    | 267764   | 24.23    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.92%   |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 33081    | 22.63    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 90.52%   |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 51604    | 79.73    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 159.46%# |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 103047   | 39.98    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 159.92%# |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 58279    | 31.27    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 125.08%# |

| Target Compounds |      |    |      |            | Ovalue |
|------------------|------|----|------|------------|--------|
| 13) Acetone      | 4.13 | 43 | 5586 | 5.652 ug/L | 96     |

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

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