

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061120\  
 Data File : VW015593.D  
 Acq On : 11 Jun 2020 17:25  
 Operator : SY/VA  
 Sample : L2959-10  
 Misc : 4.94G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BG2K4

Quant Time: Jun 12 06:47:14 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM052620S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 12 05:02:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 365643   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 337621   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 153586   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 110061   | 32.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 131.40% |
| 7) Chloroethane-d5             | 2.90   | 69    | 89418    | 26.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.32% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 160200   | 19.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 78.48%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 55315    | 50.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 101.12% |
| 24) Chloroform-d               | 7.65   | 84    | 206842   | 24.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.84%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 124282   | 26.42    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 105.68% |
| 29) Benzene-d6                 | 8.28   | 84    | 413807   | 24.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.96%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 123966   | 24.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 98.56%  |
| 37) Toluene-d8                 | 10.33  | 98    | 380162   | 23.62    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.48%  |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 50811    | 21.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 87.32%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 43874    | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 100.74% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 94786    | 25.02    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.08% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 125030   | 24.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.16%  |

## Target Compounds

|                        |       |     |        |        | Ovalue   |
|------------------------|-------|-----|--------|--------|----------|
| 13) Acetone            | 4.12  | 43  | 19283  | 22.801 | ug/L 98  |
| 14) Carbon disulfide   | 4.38  | 76  | 502714 | 34.563 | ug/L 100 |
| 16) Methylene chloride | 4.92  | 84  | 10381  | 2.313  | ug/L 95  |
| 21) 2-Butanone         | 7.18  | 43  | 7051   | 5.427  | ug/L 100 |
| 44) Toluene            | 10.39 | 91  | 6399   | 0.311  | ug/L 99  |
| 53) Ethylbenzene       | 11.73 | 91  | 32900  | 1.393  | ug/L 94  |
| 54) m,p-Xylene         | 11.84 | 106 | 16485  | 1.860  | ug/L 97  |
| 55) o-xylene           | 12.17 | 106 | 8265   | 0.982  | ug/L 91  |
| 56) Styrene            | 12.18 | 104 | 15272  | 1.062  | ug/L 97  |

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

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