

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW080720\  
 Data File : VW016066.D  
 Acq On : 07 Aug 2020 10:37  
 Operator : SY/VA  
 Sample : L3579-01  
 Misc : 5.90G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFSM4

Quant Time: Aug 08 03:51:29 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 08 03:18:33 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 347952   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 297174   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 112013   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 72685    | 14.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.20% |
| 7) Chloroethane-d5             | 2.89   | 69    | 65870    | 16.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 66.08% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 127301   | 12.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 51.28% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 41587    | 32.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.50% |
| 24) Chloroform-d               | 7.65   | 84    | 194431   | 19.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 79.60% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 98678    | 18.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 73.56% |
| 29) Benzene-d6                 | 8.28   | 84    | 384907   | 21.28    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.12% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 113833   | 20.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 83.96% |
| 37) Toluene-d8                 | 10.33  | 98    | 337487   | 20.60    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.40% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 44438    | 19.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.92% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 35645    | 39.48    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.96% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 83686    | 20.08    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.32% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 95639    | 21.90    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 87.60% |

| Target Compounds      |       |     |        |             | Ovalue |
|-----------------------|-------|-----|--------|-------------|--------|
| 47) Tetrachloroethene | 10.87 | 164 | 202978 | 54.769 ug/L | 98     |

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

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