

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032019\  
 Data File : VW009308.D  
 Acq On : 21 Mar 2019 01:51  
 Operator : SY/VA  
 Sample : K1988-09  
 Misc : 5.25G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF0C0

Manual Integrations  
 APPROVED

MMDadoda  
 3/25/2019 11:43:32 AM

Quant Time: Mar 22 09:37:21 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 21 12:20:05 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 303078   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 257356   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 95560    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 89797    | 24.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.16% |
| 7) Chloroethane-d5             | 2.90   | 69    | 79766    | 18.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 75.28% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 128946   | 16.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.88% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 61788    | 41.25    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 82.50% |
| 24) Chloroform-d               | 7.65   | 84    | 176821   | 21.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 85.52% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 107252   | 21.53    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 86.12% |
| 29) Benzene-d6                 | 8.27   | 84    | 325492   | 22.93    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 91.72% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 98977    | 23.22    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.88% |
| 37) Toluene-d8                 | 10.32  | 98    | 262801   | 20.03    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 80.12% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 39943    | 18.66    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 74.64% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42908    | 41.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 83.12% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 91524    | 21.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 87.20% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 77036    | 21.02    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 84.08% |

## Target Compounds

| Target Compounds             | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------------|-------|------|----------|--------|-------|--------|
| 13) Acetone                  | 4.12  | 43   | 8995     | 7.323  | ug/L  | 83     |
| 14) Carbon disulfide         | 4.37  | 76   | 6869     | 0.684  | ug/L  | 99     |
| 16) Methylene chloride       | 4.92  | 84   | 6637m    | 1.502  | ug/L  |        |
| 18) trans-1,2-Dichloroethene | 5.42  | 96   | 4585     | 1.168  | ug/L  | 88     |
| 22) cis-1,2-Dichloroethene   | 7.17  | 96   | 344071   | 80.945 | ug/L  | 95     |
| 35) Trichloroethene          | 9.09  | 95   | 30452    | 8.113  | ug/L  | 97     |
| 47) Tetrachloroethene        | 10.86 | 164  | 4378     | 1.380  | ug/L  | 82     |

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

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