

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032519\  
 Data File : VW009438.D  
 Acq On : 25 Mar 2019 20:18  
 Operator : SY/VA  
 Sample : K2044-04  
 Misc : 5.24G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF5T4

Manual Integrations  
 APPROVED

MMDadoda  
 3/27/2019 12:14:45 PM

Quant Time: Mar 26 09:35:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Mar 26 09:00:24 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 396854   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 367488   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 150844   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 95559    | 20.15    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 80.60% |
| 7) Chloroethane-d5             | 2.90   | 69    | 101817   | 18.35    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 73.40% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 160310   | 15.64    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 62.56% |
| 20) 2-Butanone-d5              | 7.07   | 46    | 82757    | 42.20    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.40% |
| 24) Chloroform-d               | 7.65   | 84    | 250993   | 23.18    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 92.72% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 149751   | 22.95    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 91.80% |
| 29) Benzene-d6                 | 8.27   | 84    | 444093   | 21.91    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 87.64% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 143798   | 23.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.48% |
| 37) Toluene-d8                 | 10.32  | 98    | 385323   | 20.56    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 82.24% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 58714    | 19.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.84% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 56492    | 38.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 76.64% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 127325   | 21.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.96% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 129714   | 22.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 89.72% |

| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 13) Acetone            | 4.12  | 43  | 22815  | 14.185 ug/L | 99     |
| 14) Carbon disulfide   | 4.37  | 76  | 20197  | 1.536 ug/L  | 98     |
| 16) Methylene chloride | 4.90  | 84  | 23285m | 4.024 ug/L  |        |
| 47) Tetrachloroethene  | 10.86 | 164 | 1794   | 0.396 ug/L  | 82     |

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

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