

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW032819\  
 Data File : VW009537.D  
 Acq On : 28 Mar 2019 14:46  
 Operator : SY/VA  
 Sample : K2084-05  
 Misc : 3.70G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BF7W7

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 4:06:07 AM

Quant Time: Mar 29 07:00:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 29 05:35:33 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 361741   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 354287   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 169485   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 140344   | 32.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 129.88% |
| 7) Chloroethane-d5             | 2.89   | 69    | 125876   | 24.89    | ug/L | 0.02    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.56%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 204738   | 21.91    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 87.64%  |
| 20) 2-Butanone-d5              | 7.08   | 46    | 69350    | 38.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 77.58%  |
| 24) Chloroform-d               | 7.65   | 84    | 245081   | 24.83    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.32%  |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 147428m  | 24.79    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.16%  |
| 29) Benzene-d6                 | 8.27   | 84    | 472452   | 24.18    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 96.72%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 139268   | 23.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 94.92%  |
| 37) Toluene-d8                 | 10.32  | 98    | 429330   | 23.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 95.04%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 60046    | 20.37    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 81.48%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 47120    | 33.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 66.30%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 123146   | 21.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 85.24%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 159791   | 24.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 98.36%  |

| Target Compounds       |       |     |        |            | Qvalue |
|------------------------|-------|-----|--------|------------|--------|
| 16) Methylene chloride | 4.92  | 84  | 38402  | 7.280 ug/L | 95     |
| 57) Isopropylbenzene   | 12.48 | 105 | 21002m | 0.887 ug/L |        |

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

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