

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\  
 Data File : VW016832.D  
 Acq On : 07 Oct 2020 14:04  
 Operator : SY/VA  
 Sample : L4209-11  
 Misc : 5.17G/10ML/MSVOA W/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 JLWW2

Manual Integrations  
 APPROVED

MMDadoda  
 10/12/2020 1:55:24 PM

Quant Time: Oct 08 09:12:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM100720S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Oct 08 08:32:41 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 570980   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 504240   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 229549   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 154904   | 27.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 110.00% |
| 7) Chloroethane-d5             | 2.89   | 69    | 125861   | 26.64    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 106.56% |
| 10) 1,1-Dichloroethene-d2      | 4.02   | 63    | 220904   | 18.47    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 73.88%  |
| 20) 2-Butanone-d5              | 7.09   | 46    | 50731    | 39.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.52%  |
| 24) Chloroform-d               | 7.65   | 84    | 302055   | 25.07    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.28% |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 148041   | 25.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 101.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 625840   | 27.33    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 109.32% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 167417   | 27.20    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 108.80% |
| 37) Toluene-d8                 | 10.32  | 98    | 580391   | 26.86    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 107.44% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 66511    | 24.50    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 98.00%  |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 42743    | 44.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.82%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 112922   | 22.71    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 90.84%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 185947   | 25.54    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 102.16% |

## Target Compounds

| Target Compounds       | R.T.  | QIon | Response | Conc   | Units | Ovalue |
|------------------------|-------|------|----------|--------|-------|--------|
| 13) Acetone            | 4.15  | 43   | 2314m    | 2.397  | ug/L  |        |
| 16) Methylene chloride | 4.92  | 84   | 12388    | 1.572  | ug/L  | 93     |
| 47) Tetrachloroethene  | 10.87 | 164  | 461788   | 65.030 | ug/L  | 97     |

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

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