

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW072420\  
 Data File : VW015947.D  
 Acq On : 24 Jul 2020 14:02  
 Operator : SY/VA  
 Sample : L3419-14  
 Misc : 4.56G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 C0AF1

Quant Time: Jul 25 05:52:31 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM072020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Jul 25 05:14:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 497632   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 420252   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 170015   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.36   | 65    | 139561   | 19.88    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.52% |
| 7) Chloroethane-d5             | 2.90   | 69    | 112904   | 19.80    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 79.20% |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 207176   | 14.59    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 58.36% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 47180    | 25.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 51.16% |
| 24) Chloroform-d               | 7.65   | 84    | 259562   | 18.57    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 74.28% |
| 26) 1,2-Dichloroethane-d4      | 8.31   | 65    | 137641   | 17.94    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 71.76% |
| 29) Benzene-d6                 | 8.27   | 84    | 538095   | 21.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.16% |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 161607   | 21.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 84.28% |
| 37) Toluene-d8                 | 10.33  | 98    | 463217   | 19.99    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.96% |
| 38) trans-1,3-Dichloropropene- | 10.58  | 79    | 52286    | 16.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 64.00% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 35938    | 28.14    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 56.28% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 105911   | 17.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 71.88% |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 124500   | 18.78    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 75.12% |

## Target Compounds

|                        |      |    |       |              | Qvalue |
|------------------------|------|----|-------|--------------|--------|
| 13) Acetone            | 4.12 | 43 | 4852  | 3.132 ug/L   | 96     |
| 16) Methylene chloride | 4.92 | 84 | 16731 | 2.052 ug/L   | 88     |
| 21) 2-Butanone         | 7.15 | 43 | 7125  | 3.720 ug/L # | 52     |

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

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