

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012020\  
 Data File : VW014697.D  
 Acq On : 20 Jan 2020 16:04  
 Operator : SY/VA  
 Sample : L1193-09  
 Misc : 5.10G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GASPO

Quant Time: Jan 21 04:14:17 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM122719S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 21 03:38:42 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 1136808  | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 1023003  | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 458896   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.35   | 65    | 343114   | 21.41    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 85.64%  |
| 7) Chloroethane-d5             | 2.89   | 69    | 276084   | 23.38    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 93.52%  |
| 10) 1,1-Dichloroethene-d2      | 4.01   | 63    | 502175   | 17.13    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 68.52%  |
| 20) 2-Butanone-d5              | 7.07   | 46    | 162489   | 42.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.22%  |
| 24) Chloroform-d               | 7.64   | 84    | 651236   | 24.90    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.30   | 65    | 337227   | 24.85    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 99.40%  |
| 29) Benzene-d6                 | 8.27   | 84    | 1351456  | 24.84    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.36%  |
| 33) 1,2-Dichloropropane-d6     | 9.27   | 67    | 421403   | 25.76    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 103.04% |
| 37) Toluene-d8                 | 10.32  | 98    | 1206275  | 24.46    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 97.84%  |
| 38) trans-1,3-Dichloropropene- | 10.57  | 79    | 155654   | 23.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 92.16%  |
| 39) 2-Hexanone-d5              | 10.92  | 63    | 125926   | 45.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 90.04%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 297878   | 24.25    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.00%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.85  | 152   | 403396   | 26.68    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 106.72% |

| Target Compounds       |       |    |       |            | Ovalue |
|------------------------|-------|----|-------|------------|--------|
| 13) Acetone            | 4.12  | 43 | 17469 | 3.309 ug/L | 95     |
| 16) Methylene chloride | 4.92  | 84 | 33267 | 1.795 ug/L | 93     |
| 44) Toluene            | 10.38 | 91 | 54337 | 0.845 ug/L | 95     |

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

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