

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091120\  
 Data File : VW016550.D  
 Acq On : 11 Sep 2020 15:27  
 Operator : SY/VA  
 Sample : L3950-16  
 Misc : 5.84G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 BFWZ6

Quant Time: Sep 12 08:10:34 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Sep 12 07:12:32 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.85  | 114  | 555972   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 478822   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 190045   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.37   | 65    | 121818   | 20.65    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 82.60% |
| 7) Chloroethane-d5             | 2.91   | 69    | 119808   | 22.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.48% |
| 10) 1,1-Dichloroethene-d2      | 4.03   | 63    | 179118   | 13.21    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.84% |
| 20) 2-Butanone-d5              | 7.09   | 46    | 69368    | 32.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 65.86% |
| 24) Chloroform-d               | 7.65   | 84    | 297609   | 22.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.40% |
| 26) 1,2-Dichloroethane-d4      | 8.32   | 65    | 155393   | 21.82    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 87.28% |
| 29) Benzene-d6                 | 8.28   | 84    | 521753   | 21.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 85.72% |
| 33) 1,2-Dichloropropane-d6     | 9.28   | 67    | 157634   | 22.04    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 88.16% |
| 37) Toluene-d8                 | 10.33  | 98    | 459661   | 19.87    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 79.48% |
| 38) trans-1,3-Dichloropropene- | 10.59  | 79    | 70237    | 19.47    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.88% |
| 39) 2-Hexanone-d5              | 10.93  | 63    | 50385    | 34.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 68.94% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69  | 84    | 127774   | 21.13    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 84.52% |
| 61) 1,2-Dichlorobenzene-d4     | 13.86  | 152   | 152137   | 23.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.68% |

| Target Compounds       |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 16) Methylene chloride | 4.93  | 84  | 18174  | 2.095 ug/L  | 93     |
| 35) Trichloroethene    | 9.10  | 95  | 4444   | 0.613 ug/L  | 91     |
| 47) Tetrachloroethene  | 10.87 | 164 | 470737 | 80.935 ug/L | 92     |

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

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