

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\  
 Data File : VY003601.D  
 Acq On : 24 Nov 2020 13:47  
 Operator : SY/MD  
 Sample : L4860-07  
 Misc : 5.12G/10ML/MSVOA Y/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C0BC1

Quant Time: Nov 25 06:22:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM111920S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Nov 25 06:01:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.69  | 114  | 202977   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 186255   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 84929    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 59061    | 26.40    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 105.60% |
| 7) Chloroethane-d5             | 2.77   | 69    | 48184    | 23.21    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 92.84%  |
| 10) 1,1-Dichloroethene-d2      | 3.85   | 63    | 98695    | 17.85    | ug/L | -0.01   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 71.40%  |
| 20) 2-Butanone-d5              | 6.91   | 46    | 35079    | 31.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 62.20%  |
| 24) Chloroform-d               | 7.49   | 84    | 126088   | 24.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 97.76%  |
| 26) 1,2-Dichloroethane-d4      | 8.14   | 65    | 65304    | 22.59    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 90.36%  |
| 29) Benzene-d6                 | 8.11   | 84    | 265239   | 24.44    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 97.76%  |
| 33) 1,2-Dichloropropane-d6     | 9.13   | 67    | 79668    | 25.04    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 100.16% |
| 37) Toluene-d8                 | 10.18  | 98    | 242239   | 24.92    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 99.68%  |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 35426    | 22.31    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 89.24%  |
| 39) 2-Hexanone-d5              | 10.78  | 63    | 24815    | 29.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 59.98%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 53272    | 19.22    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.88%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 68498    | 24.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 99.96%  |

| Target Compounds       |      |    |       |            | Ovalue |
|------------------------|------|----|-------|------------|--------|
| 16) Methylene chloride | 4.72 | 84 | 10245 | 2.944 ug/L | 87     |

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

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