

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112420\  
 Data File : VY003611.D  
 Acq On : 24 Nov 2020 17:23  
 Operator : SY/MD  
 Sample : L4861-02  
 Misc : 4.91G/10ML/MSVOA Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 25 06:47:59 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  | 77567    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 67031    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 22396    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 32398    | 37.90    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 151.60%# |
| 7) Chloroethane-d5             | 2.77   | 69    | 25360    | 31.97    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 127.88%  |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 48888    | 23.13    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 92.52%   |
| 20) 2-Butanone-d5              | 6.90   | 46    | 16251    | 37.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 75.40%   |
| 24) Chloroform-d               | 7.49   | 84    | 59340    | 30.10    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 120.40%  |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 31467    | 28.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 113.92%  |
| 29) Benzene-d6                 | 8.12   | 84    | 117991   | 30.21    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 120.84%  |
| 33) 1,2-Dichloropropane-d6     | 9.13   | 67    | 33922    | 29.62    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 118.48%  |
| 37) Toluene-d8                 | 10.18  | 98    | 92662    | 26.48    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.92%  |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 13653    | 23.89    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 95.56%   |
| 39) 2-Hexanone-d5              | 10.78  | 63    | 9579     | 32.17    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 64.34%   |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 24243    | 24.30    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 97.20%   |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 20580    | 28.47    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 113.88%  |

| Target Compounds       |      |    |       | Ovalue     |
|------------------------|------|----|-------|------------|
| 16) Methylene chloride | 4.73 | 84 | 3771m | 2.836 ug/L |

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

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