

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\  
 Data File : VY003759.D  
 Acq On : 14 Dec 2020 19:34  
 Operator : SY/MD  
 Sample : L5063-07RE  
 Misc : 4.37G/10ML/MSVOA Y/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C0AD9RE

Manual Integrations  
 APPROVED

MMDadoda  
 12/16/2020 12:35:47 PM

Quant Time: Dec 15 05:14:35 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM121420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 15 03:40:13 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.70  | 114  | 258053   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 196066   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152  | 62423    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 105318   | 29.91    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 119.64%  |
| 7) Chloroethane-d5             | 2.77   | 69    | 81588    | 31.07    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 124.28%  |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 154016   | 20.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 83.24%   |
| 20) 2-Butanone-d5              | 6.90   | 46    | 70018    | 45.62    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.24%   |
| 24) Chloroform-d               | 7.49   | 84    | 181923   | 27.15    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 108.60%  |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 104327   | 27.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 110.12%  |
| 29) Benzene-d6                 | 8.12   | 84    | 377636   | 33.28    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 133.12%  |
| 33) 1,2-Dichloropropane-d6     | 9.12   | 67    | 114939   | 32.53    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 130.12%# |
| 37) Toluene-d8                 | 10.18  | 98    | 300497   | 29.26    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 117.04%  |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 51356    | 29.81    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 119.24%  |
| 39) 2-Hexanone-d5              | 10.79  | 63    | 53684    | 55.09    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 110.18%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 77678    | 25.14    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 100.56%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 63268    | 28.22    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 112.88%  |

## Target Compounds

|                        |       |     |       |              | Ovalue |
|------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane       | 2.12  | 50  | 2289  | 0.569 ug/L   | 97     |
| 13) Acetone            | 3.97  | 43  | 4064  | 3.841 ug/L   | 64     |
| 16) Methylene chloride | 4.72  | 84  | 7218m | 1.558 ug/L   |        |
| 44) Toluene            | 10.25 | 91  | 5302  | 0.400 ug/L   | 97     |
| 54) m,p-Xylene         | 11.70 | 106 | 2712  | 0.486 ug/L   | 81     |
| 55) o-xylene           | 12.03 | 106 | 2798  | 0.534 ug/L   | 79     |
| 57) Isopropylbenzene   | 12.33 | 105 | 2627  | 0.188 ug/L # | 87     |

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

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