

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121820\  
 Data File : VY003815.D  
 Acq On : 18 Dec 2020 13:14  
 Operator : SY/MD  
 Sample : L5134-04  
 Misc : 5.05G/10ML/MSVOA Y/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VHBLK01

Quant Time: Dec 19 00:46:05 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_Y\METHODS\SOM2YLM121420S.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 19 00:17:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.70  | 114  | 255794   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 241081   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 118758   | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 78279    | 22.43    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 89.72% |
| 7) Chloroethane-d5             | 2.77   | 69    | 59070    | 22.70    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.80% |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 103328   | 14.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 56.36% |
| 20) 2-Butanone-d5              | 6.90   | 46    | 52598    | 34.58    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 69.16% |
| 24) Chloroform-d               | 7.49   | 84    | 130347   | 19.62    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 78.48% |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 74352    | 19.79    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 79.16% |
| 29) Benzene-d6                 | 8.12   | 84    | 293011   | 21.00    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 84.00% |
| 33) 1,2-Dichloropropane-d6     | 9.12   | 67    | 84950    | 19.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 78.20% |
| 37) Toluene-d8                 | 10.18  | 98    | 269964   | 21.38    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 85.52% |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 41006    | 19.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 77.44% |
| 39) 2-Hexanone-d5              | 10.79  | 63    | 44733    | 37.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.66% |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 76248    | 20.07    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 80.28% |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 98503    | 23.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.36% |

| Target Compounds       |      |    |      |              | Ovalue |
|------------------------|------|----|------|--------------|--------|
| 3) Chloromethane       | 2.13 | 50 | 1467 | 0.368 ug/L # | 78     |
| 16) Methylene chloride | 4.73 | 84 | 8855 | 1.928 ug/L   | 78     |

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

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