

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY121420\  
 Data File : VY003751.D  
 Acq On : 14 Dec 2020 16:32  
 Operator : SY/MD  
 Sample : L5063-01  
 Misc : 4.34G/10ML/MSVOA Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C0AD5

Manual Integrations  
 APPROVED

MMDadoda  
 12/16/2020 12:35:42 PM

Quant Time: Dec 15 03:51:03 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  | 282942   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.49 | 117  | 235941   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.43 | 152  | 83448    | 25.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.25   | 65    | 103569   | 26.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 107.28% |
| 7) Chloroethane-d5             | 2.77   | 69    | 77812    | 27.03    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 108.12% |
| 10) 1,1-Dichloroethene-d2      | 3.86   | 63    | 155997   | 19.23    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 76.92%  |
| 20) 2-Butanone-d5              | 6.90   | 46    | 58920    | 35.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 70.04%  |
| 24) Chloroform-d               | 7.49   | 84    | 183654   | 24.99    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 99.96%  |
| 26) 1,2-Dichloroethane-d4      | 8.15   | 65    | 96025    | 23.11    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 92.44%  |
| 29) Benzene-d6                 | 8.12   | 84    | 389378   | 28.51    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 114.04% |
| 33) 1,2-Dichloropropane-d6     | 9.12   | 67    | 117784   | 27.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 110.80% |
| 37) Toluene-d8                 | 10.18  | 98    | 324943   | 26.29    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 105.16% |
| 38) trans-1,3-Dichloropropene- | 10.44  | 79    | 51452    | 24.82    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 99.28%  |
| 39) 2-Hexanone-d5              | 10.79  | 63    | 45813    | 39.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.14%  |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56  | 84    | 77318    | 20.80    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.20%  |
| 61) 1,2-Dichlorobenzene-d4     | 13.72  | 152   | 77229    | 25.77    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 103.08% |

## Target Compounds

|                        |       |     |       | Ovalue       |
|------------------------|-------|-----|-------|--------------|
| 13) Acetone            | 3.95  | 43  | 4613m | 3.976 ug/L   |
| 14) Carbon disulfide   | 4.21  | 76  | 3269  | 0.238 ug/L   |
| 16) Methylene chloride | 4.73  | 84  | 6179  | 1.216 ug/L   |
| 44) Toluene            | 10.25 | 91  | 19161 | 1.202 ug/L   |
| 53) Ethylbenzene       | 11.59 | 91  | 3489  | 0.200 ug/L   |
| 54) m,p-Xylene         | 11.70 | 106 | 4785  | 0.712 ug/L   |
| 55) o-xylene           | 12.03 | 106 | 5015  | 0.795 ug/L   |
| 57) Isopropylbenzene   | 12.32 | 105 | 6041  | 0.359 ug/L # |

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

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