

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031620\  
 Data File : VV014953.D  
 Acq On : 16 Mar 2020 18:07  
 Operator : SY/MD  
 Sample : L1890-18  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0DH5

Manual Integrations  
 APPROVED

apatel  
 3/18/2020 3:12:28 PM

Quant Time: Mar 18 04:30:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031620WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 18 03:17:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.65  | 114  | 399071   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.94  | 117  | 416154   | 50.00 | ug/L  | 0.06     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 274385   | 50.00 | ug/L  | 0.03     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 131492   | 49.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 98.92%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 90306    | 45.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 91.46%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 136123   | 33.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 66.74%  |
| 21) 2-Butanone-d5              | 3.93    | 46    | 117823   | 72.68    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 72.68%  |
| 24) Chloroform-d               | 4.38    | 84    | 235320   | 42.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.96%  |
| 26) 1,2-Dichloroethane-d4      | 5.07    | 65    | 64156    | 18.28    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 36.56%# |
| 32) Benzene-d6                 | 5.11    | 84    | 469313   | 40.94    | ug/L | 0.04    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.88%  |
| 36) 1,2-Dichloropropane-d6     | 6.10    | 67    | 141650   | 41.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.98%  |
| 41) Toluene-d8                 | 7.34    | 98    | 478098   | 42.17    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.34%  |
| 43) trans-1,3-Dichloropropene- | 7.65    | 79    | 70161    | 38.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 77.32%  |
| 47) 2-Hexanone-d5              | 8.13    | 63    | 129746   | 84.20    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 84.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 215683   | 43.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 86.30%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 252956   | 42.08    | ug/L | 0.03    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.16%  |

## Target Compounds

| Target Compounds           | R.T.  | QIon | Response  | Conc     | Units  | Ovalue |
|----------------------------|-------|------|-----------|----------|--------|--------|
| 12) 1,1-Dichloroethene     | 2.12  | 96   | 1359      | 0.725    | ug/L # | 1      |
| 14) Carbon disulfide       | 2.31  | 76   | 7540      | 1.225    | ug/L # | 92     |
| 16) Methylene chloride     | 2.52  | 84   | 9456      | 3.333    | ug/L   | 84     |
| 20) cis-1,2-Dichloroethene | 3.94  | 96   | 9239      | 3.081    | ug/L   | 92     |
| 25) Chloroform             | 4.41  | 83   | 56670     | 10.846   | ug/L   | 94     |
| 29) Cyclohexane            | 4.70  | 56   | 30214     | 7.029    | ug/L   | 97     |
| 33) Benzene                | 5.12  | 78   | 63901601m | 5643.039 | ug/L   |        |
| 34) Trichloroethene        | 5.94  | 95   | 8417      | 2.770    | ug/L   | 98     |
| 35) Methylcyclohexane      | 6.16  | 83   | 6205      | 1.266    | ug/L # | 73     |
| 42) Toluene                | 7.41  | 91   | 51141     | 4.014    | ug/L   | 97     |
| 46) Tetrachloroethene      | 8.00  | 164  | 10872     | 3.830    | ug/L   | 92     |
| 51) Chlorobenzene          | 8.90  | 112  | 61187485m | 6973.190 | ug/L   |        |
| 62) 1,3-Dichlorobenzene    | 11.21 | 146  | 4448085   | 491.936  | ug/L   | 100    |
| 63) 1,4-Dichlorobenzene    | 11.30 | 146  | 34722463m | 3812.177 | ug/L   |        |
| 65) 1,2-Dichlorobenzene    | 11.67 | 146  | 28602415m | 3166.735 | ug/L   |        |
| 68) 1,2,4-trichlorobenzene | 13.29 | 180  | 4629826   | 732.715  | ug/L   | 99     |
| 70) 1,2,3-Trichlorobenzene | 13.77 | 180  | 205204    | 32.807   | ug/L   | 99     |

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|--------------------|------|------|----------|------|-------|----------|
|--------------------|------|------|----------|------|-------|----------|

|       |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|
| ----- |  |  |  |  |  |  |
| ----- |  |  |  |  |  |  |

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

