

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U112519\  
 Data File : VU035840.D  
 Acq On : 25 Nov 2019 22:09  
 Operator : JC/SP  
 Sample : K5992-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GARF2

Manual Integrations  
 APPROVED

apatel  
 11/27/2019 3:25:46 PM

Quant Time: Nov 26 03:33:02 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR112119WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 26 01:03:35 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 257069   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 282138   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 92990    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 130249   | 3.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.60%   |
| 7) Chloroethane-d5             | 1.93   | 69    | 128092   | 4.41     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 88.20%   |
| 11) 1,1-Dichloroethene-d2      | 2.61   | 63    | 778913   | 12.48    | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 249.60%# |
| 20) 2-Butanone-d5              | 4.70   | 46    | 403320   | 51.90    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.80%  |
| 24) Chloroform-d               | 5.11   | 84    | 248100   | 4.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20%   |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 146134   | 4.58     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60%   |
| 32) Benzene-d6                 | 5.77   | 84    | 500172   | 4.65     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.00%   |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 183396   | 5.06     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.20%  |
| 41) Toluene-d8                 | 7.93   | 98    | 425803   | 4.29     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.80%   |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 64813    | 4.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.80%   |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 321920   | 56.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 113.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 142091   | 4.65     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.00%   |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 101730   | 5.04     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.80%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response  | Conc     | Units  | Ovalue |
|------------------------------|------|------|-----------|----------|--------|--------|
| 5) Vinyl chloride            | 1.62 | 62   | 105675    | 2.462    | ug/L # | 76     |
| 12) 1,1-Dichloroethene       | 2.61 | 96   | 1018153   | 38.065   | ug/L # | 71     |
| 16) Methylene chloride       | 3.09 | 84   | 2124      | 0.066    | ug/L # | 83     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96   | 139198    | 5.285    | ug/L   | 99     |
| 19) 1,1-Dichloroethane       | 3.92 | 63   | 13967     | 0.236    | ug/L   | 97     |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96   | 13047425  | 444.540  | ug/L # | 98     |
| 25) Chloroform               | 5.14 | 83   | 44010     | 0.764    | ug/L   | 96     |
| 27) 1,2-Dichloroethane       | 5.84 | 62   | 7204      | 0.190    | ug/L # | 95     |
| 33) Benzene                  | 5.82 | 78   | 49610     | 0.421    | ug/L   | 100    |
| 34) Trichloroethene          | 6.57 | 95   | 41840250m | 1449.033 | ug/L   |        |
| 45) 1,1,2-Trichloroethane    | 8.44 | 97   | 26413     | 1.214    | ug/L   | 98     |
| 47) Tetrachloroethene        | 8.58 | 164  | 140320    | 6.386    | ug/L   | 97     |

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

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