

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU112020\  
 Data File : VU041374.D  
 Acq On : 20 Nov 2020 18:04  
 Operator : SY/MD  
 Sample : L4849-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4412

Quant Time: Nov 21 05:43:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111620WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Nov 21 02:42:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 58012    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 56857    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 23590    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 15890    | 3.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 74.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 15729    | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 27931    | 3.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.40%  |
| 20) 2-Butanone-d5              | 4.64   | 46    | 76197    | 43.31    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 86.62%  |
| 24) Chloroform-d               | 5.08   | 84    | 44361    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 28938    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 32) Benzene-d6                 | 5.74   | 84    | 81356    | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 28884    | 5.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 109.40% |
| 41) Toluene-d8                 | 7.91   | 98    | 65684    | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00%  |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 10426    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.60%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 53292    | 43.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.78%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 24807    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 27253    | 5.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 118.40% |

## Target Compounds

|                              |      |    |        |         | Ovalue   |
|------------------------------|------|----|--------|---------|----------|
| 5) Vinyl chloride            | 1.61 | 62 | 67002  | 13.304  | ug/L 97  |
| 17) Methyl tert-butyl Ether  | 3.38 | 73 | 77820  | 7.527   | ug/L 100 |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 34394  | 9.352   | ug/L 98  |
| 19) 1,1-Dichloroethane       | 3.88 | 63 | 5578   | 0.678   | ug/L 91  |
| 22) cis-1,2-Dichloroethene   | 4.68 | 96 | 710682 | 171.095 | ug/L 97  |
| 25) Chloroform               | 5.10 | 83 | 4438   | 0.498   | ug/L 98  |
| 33) Benzene                  | 5.79 | 78 | 7196   | 0.467   | ug/L 100 |
| 34) Trichloroethene          | 6.55 | 95 | 26933  | 6.468   | ug/L 99  |

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

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