

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\  
 Data File : VU035450.D  
 Acq On : 24 Oct 2019 10:24  
 Operator : JC/SP  
 Sample : K5488-07MSD  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 59 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G39MSD

Quant Time: Oct 24 14:39:31 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 24 14:19:48 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 213816   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 211551   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 63131    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 51730    | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 53462    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 105161   | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 87.20%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 224363   | 59.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.76% |
| 24) Chloroform-d               | 5.11   | 84    | 103689   | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 67327    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.00% |
| 32) Benzene-d6                 | 5.77   | 84    | 202010   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 77320    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 157516   | 3.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 68.00%# |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 27780    | 3.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.60%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 143906   | 43.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.54%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 69388    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.40% |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 49720    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.40%  |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc    | Units | Ovalue |
|------------------------------|------|------|----------|---------|-------|--------|
| 5) Vinyl chloride            | 1.62 | 62   | 129909   | 7.007   | ug/L  | 98     |
| 12) 1,1-Dichloroethene       | 2.61 | 96   | 60043    | 4.371   | ug/L  | 88     |
| 17) Methyl tert-butyl Ether  | 3.43 | 73   | 3754969  | 101.566 | ug/L  | 99     |
| 18) trans-1,2-Dichloroethene | 3.39 | 96   | 266499   | 17.977  | ug/L  | 94     |
| 19) 1,1-Dichloroethane       | 3.92 | 63   | 32671    | 1.219   | ug/L  | 96     |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96   | 1115529  | 68.081  | ug/L  | 96     |
| 33) Benzene                  | 5.82 | 78   | 315136   | 5.063   | ug/L  | 100    |
| 34) Trichloroethene          | 6.58 | 95   | 195374   | 11.675  | ug/L  | 95     |
| 42) Toluene                  | 8.01 | 91   | 299278   | 4.356   | ug/L  | 100    |
| 51) Chlorobenzene            | 9.48 | 112  | 209171   | 4.715   | ug/L  | 99     |

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

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