

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102319\  
 Data File : VU035429.D  
 Acq On : 24 Oct 2019 00:12  
 Operator : JC/SP  
 Sample : K5488-13  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0G55

Manual Integrations  
 APPROVED

MMDadoda  
 10/24/2019 9:51:16 AM

Quant Time: Oct 24 07:12:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR101719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Oct 24 05:20:56 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 214538   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 220431   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.85 | 152  | 66151    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 55605    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 59612    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.60   | 63    | 80369    | 3.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.40%  |
| 20) 2-Butanone-d5              | 4.70   | 46    | 224132   | 59.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.24% |
| 24) Chloroform-d               | 5.11   | 84    | 128416   | 5.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 107.40% |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 75491    | 5.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 114.00% |
| 32) Benzene-d6                 | 5.77   | 84    | 237798   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.74   | 67    | 87789    | 5.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 109.60% |
| 41) Toluene-d8                 | 7.93   | 98    | 193983   | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.40%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 31500    | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.20%  |
| 46) 2-Hexanone-d5              | 8.69   | 63    | 159461   | 46.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 81877    | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 114.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.23  | 152   | 61442    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.00% |

## Target Compounds

|                              |      |    |         |         | Ovalue  |
|------------------------------|------|----|---------|---------|---------|
| 5) Vinyl chloride            | 1.62 | 62 | 39469   | 2.122   | ug/L 91 |
| 17) Methyl tert-butyl Ether  | 3.43 | 73 | 6033817 | 162.655 | ug/L 98 |
| 18) trans-1,2-Dichloroethene | 3.39 | 96 | 13183   | 0.886   | ug/L 95 |
| 19) 1,1-Dichloroethane       | 3.92 | 63 | 10097   | 0.375   | ug/L 97 |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96 | 333365  | 20.277  | ug/L 98 |
| 33) Benzene                  | 5.82 | 78 | 27300m  | 0.421   | ug/L    |
| 34) Trichloroethene          | 6.58 | 95 | 5506    | 0.316   | ug/L 89 |

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

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