

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121019\  
 Data File : VU036117.D  
 Acq On : 11 Dec 2019 05:49  
 Operator : JC/MD  
 Sample : K6214-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BD806

Manual Integrations  
 APPROVED

apatel  
 12/16/2019 12:18:38 PM

Quant Time: Dec 11 07:57:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Dec 11 07:30:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 305203   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 337475   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 95252    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.62   | 65    | 124354   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 121467   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 141339   | 2.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.80%# |
| 20) 2-Butanone-d5              | 4.69   | 46    | 265311   | 57.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 114.48% |
| 24) Chloroform-d               | 5.11   | 84    | 183027   | 4.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 106983   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.60%  |
| 32) Benzene-d6                 | 5.77   | 84    | 395829   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 127304   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%  |
| 41) Toluene-d8                 | 7.93   | 98    | 328240   | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.20%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 44899    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.68   | 63    | 249466   | 64.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 128.42% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 112988   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 86599    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.60%  |

## Target Compounds

|                              |      |     |           |          | Ovalue    |
|------------------------------|------|-----|-----------|----------|-----------|
| 3) Chloromethane             | 1.54 | 50  | 6893      | 0.235    | ug/L 90   |
| 5) Vinyl chloride            | 1.62 | 62  | 224944    | 7.360    | ug/L 99   |
| 13) Acetone                  | 2.66 | 43  | 17279     | 2.936    | ug/L 96   |
| 18) trans-1,2-Dichloroethene | 3.39 | 96  | 33804     | 1.491    | ug/L 95   |
| 22) cis-1,2-Dichloroethene   | 4.72 | 96  | 10047283  | 422.381  | ug/L # 98 |
| 25) Chloroform               | 5.14 | 83  | 20921     | 0.461    | ug/L 92   |
| 34) Trichloroethene          | 6.58 | 95  | 2418986   | 98.778   | ug/L 97   |
| 47) Tetrachloroethene        | 8.58 | 164 | 26341857m | 1131.387 | ug/L      |

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

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