

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112519\  
 Data File : VV013758.D  
 Acq On : 25 Nov 2019 12:11  
 Operator : SY/MD  
 Sample : K5941-17DL 4X  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 B0AD1DL

Quant Time: Nov 26 05:34:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR112219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Nov 26 04:36:55 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 379791   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 369533   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 169831   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 107236   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 97741    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 241713   | 6.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 122.20% |
| 20) 2-Butanone-d5              | 3.92   | 46    | 238745   | 48.86    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.72%  |
| 24) Chloroform-d               | 4.39   | 84    | 222201   | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.07   | 65    | 109633   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 32) Benzene-d6                 | 5.09   | 84    | 428724   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 134600   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.80%  |
| 41) Toluene-d8                 | 7.35   | 98    | 371375   | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.00%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 46896    | 4.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%  |
| 46) 2-Hexanone-d5              | 8.13   | 63    | 171734   | 42.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 84.20%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.25  | 84    | 94480    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 155897   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.00% |

## Target Compounds

| Target Compounds            | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|-----------------------------|------|------|----------|--------|--------|--------|
| 5) Vinyl chloride           | 1.32 | 62   | 14414    | 0.635  | ug/L # | 1      |
| 12) 1,1-Dichloroethene      | 2.14 | 96   | 191388   | 10.481 | ug/L # | 79     |
| 17) Methyl tert-butyl Ether | 2.80 | 73   | 5614     | 0.112  | ug/L # | 82     |
| 19) 1,1-Dichloroethane      | 3.23 | 63   | 205879   | 5.001  | ug/L   | 99     |
| 22) cis-1,2-Dichloroethene  | 3.96 | 96   | 9027     | 0.373  | ug/L   | 98     |
| 27) 1,2-Dichloroethane      | 5.18 | 62   | 3663     | 0.147  | ug/L # | 71     |
| 29) 1,1,1-Trichloroethane   | 4.66 | 97   | 18562    | 0.491  | ug/L   | 100    |
| 34) Trichloroethene         | 5.96 | 95   | 191662   | 7.665  | ug/L   | 97     |
| 45) 1,1,2-Trichloroethane   | 7.88 | 97   | 1998     | 0.120  | ug/L   | 96     |
| 47) Tetrachloroethene       | 8.02 | 164  | 3347     | 0.154  | ug/L   | 83     |

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

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