

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080718\  
 Data File : VR025572.D  
 Acq On : 7 Aug 2018 12:46  
 Operator : SY/MD  
 Sample : J4358-06  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 ESWW6

Quant Time: Aug 22 15:18:39 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR073018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 09 23:37:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.47  | 114  | 527908   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 438487   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 147379   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 125215   | 3.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.40%   |
| 7) Chloroethane-d5             | 2.63   | 69    | 104594   | 4.06     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 81.20%   |
| 11) 1,1-Dichloroethene-d2      | 3.64   | 63    | 227614   | 3.01     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 60.20%   |
| 20) 2-Butanone-d5              | 6.60   | 46    | 182407   | 67.47    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 134.94%# |
| 24) Chloroform-d               | 7.21   | 84    | 263080   | 4.84     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.80%   |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 96558    | 5.23     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.60%  |
| 32) Benzene-d6                 | 7.86   | 84    | 571514   | 4.86     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%   |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 156131   | 5.06     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 485705   | 4.20     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.00%   |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 32596    | 4.13     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.60%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 152033   | 60.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 120.50%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 77430    | 5.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 137383   | 6.10     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 122.00%# |

## Target Compounds

|                              |      |    |         |        | Ovalue    |
|------------------------------|------|----|---------|--------|-----------|
| 5) Vinyl chloride            | 2.16 | 62 | 669479  | 16.78  | ug/L 100  |
| 18) trans-1,2-Dichloroethene | 4.89 | 96 | 55523   | 1.54   | ug/L 91   |
| 22) cis-1,2-Dichloroethene   | 6.68 | 96 | 4739973 | 143.70 | ug/L # 95 |
| 30) Cyclohexane              | 7.52 | 56 | 47849   | 1.07   | ug/L 94   |
| 35) Methylcyclohexane        | 8.96 | 83 | 28513   | 0.56   | ug/L 89   |

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

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