

Data File : VR025457.D  
Acq On : 12 Jul 2018 18:07  
Operator : SY/MD  
Sample : J3960-03MSD  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0AF9MSD

Quant Time: Jul 13 01:23:37 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Jul 13 00:37:37 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 735689   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 590772   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 197412   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 105465   | 5.20     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 104.00% |
| 7) Chloroethane-d5             | 2.62   | 69    | 88062    | 5.09     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.80% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 307606   | 5.01     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 100.20% |
| 20) 2-Butanone-d5              | 6.59   | 46    | 300917   | 47.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.54%  |
| 24) Chloroform-d               | 7.20   | 84    | 468757   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 181679   | 4.73     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 32) Benzene-d6                 | 7.86   | 84    | 1016548  | 5.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.80% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 291854   | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.80% |
| 41) Toluene-d8                 | 9.97   | 98    | 886320   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 102.20% |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 73795    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 97.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 271395   | 55.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 118415   | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 189634   | 5.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 116.40% |

#### Target Compounds

|                            |       |     |         |              | Qvalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 12) 1,1-Dichloroethene     | 3.65  | 96  | 114895  | 5.224 ug/L   | 93     |
| 19) 1,1-Dichloroethane     | 5.69  | 63  | 35351   | 0.377 ug/L   | 93     |
| 22) cis-1,2-Dichloroethene | 6.68  | 96  | 84695   | 1.687 ug/L # | 80     |
| 33) Benzene                | 7.91  | 78  | 1057793 | 5.194 ug/L   | 100    |
| 34) Trichloroethene        | 8.71  | 95  | 418713  | 8.077 ug/L   | 98     |
| 42) Toluene                | 10.03 | 91  | 1090838 | 5.509 ug/L   | 98     |
| 51) Chlorobenzene          | 11.31 | 112 | 609896  | 5.058 ug/L   | 99     |

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

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