

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR072018\  
 Data File : VR025532.D  
 Acq On : 20 Jul 2018 14:53  
 Operator : SY/MD  
 Sample : J3960-13DL 10X  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0AJ5DL

Quant Time: Jul 20 23:42:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 20 23:36:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 569759   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 477279   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 159097   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 93608    | 5.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 119.20% |
| 7) Chloroethane-d5             | 2.62   | 69    | 71294    | 5.33     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.60% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 195722   | 4.11     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 82.20%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 229444   | 47.03    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.06%  |
| 24) Chloroform-d               | 7.21   | 84    | 366232   | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 146368   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.40%  |
| 32) Benzene-d6                 | 7.86   | 84    | 795114   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 227177   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 9.97   | 98    | 693797   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 48319    | 3.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.60%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 199417   | 50.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.52% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 97055    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 155255   | 5.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 118.20% |

| Target Compounds           |       |     |        |              | Qvalue |
|----------------------------|-------|-----|--------|--------------|--------|
| 22) cis-1,2-Dichloroethene | 6.68  | 96  | 31262  | 0.804 ug/L   | 88     |
| 34) Trichloroethene        | 8.71  | 95  | 312297 | 7.457 ug/L   | 95     |
| 47) Tetrachloroethene      | 10.52 | 164 | 15039  | 0.550 ug/L # | 81     |

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

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