

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080918\  
 Data File : VR025607.D  
 Acq On : 9 Aug 2018 15:24  
 Operator : SY/MD  
 Sample : J4358-08DL 5X  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 ESWW8DL

Quant Time: Aug 10 06:47:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR073018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 09 04:27:17 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.47  | 114  | 532050   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 453587   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 154632   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 156635   | 4.75     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.00%   |
| 7) Chloroethane-d5             | 2.62   | 69    | 125960   | 4.85     | ug/L | -0.01    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%   |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 300028   | 3.94     | ug/L | -0.01    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.80%   |
| 20) 2-Butanone-d5              | 6.60   | 46    | 197196   | 72.37    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 144.74%# |
| 24) Chloroform-d               | 7.21   | 84    | 299690   | 5.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 109026   | 5.86     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 117.20%  |
| 32) Benzene-d6                 | 7.86   | 84    | 670140   | 5.51     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 110.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 177066   | 5.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 110.80%  |
| 41) Toluene-d8                 | 9.97   | 98    | 604563   | 5.05     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 38671    | 4.73     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.60%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 177648   | 68.06    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 136.12%# |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 79295    | 5.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 109.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 153579   | 6.50     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 130.00%# |

## Target Compounds

|                            |       |     |        |       | Ovalue    |
|----------------------------|-------|-----|--------|-------|-----------|
| 5) Vinyl chloride          | 2.15  | 62  | 54401  | 1.35  | ug/L 95   |
| 13) Acetone                | 3.71  | 43  | 9831   | 4.29  | ug/L 83   |
| 22) cis-1,2-Dichloroethene | 6.68  | 96  | 547172 | 16.46 | ug/L # 95 |
| 34) Trichloroethene        | 8.71  | 95  | 104329 | 2.99  | ug/L 92   |
| 47) Tetrachloroethene      | 10.52 | 164 | 249576 | 8.37  | ug/L 97   |

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

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