

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_R\Data\VR101118\  
 Data File : VR026048.D  
 Acq On : 11 Oct 2018 16:55  
 Operator : SY/MD  
 Sample : J5315-14  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0JA5

Quant Time: Oct 20 03:52:54 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Oct 12 08:06:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 423611   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 371713   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 124596   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 182039   | 5.45     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 109.00% |
| 7) Chloroethane-d5             | 2.63   | 69    | 164257   | 6.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 120.40% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 355319   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 90.60%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 215761   | 57.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 115.88% |
| 24) Chloroform-d               | 7.20   | 84    | 296411   | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 138488   | 5.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.80% |
| 32) Benzene-d6                 | 7.85   | 84    | 601406   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 172855   | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.60% |
| 41) Toluene-d8                 | 9.97   | 98    | 550576   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.80%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 37109    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 98.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 177677   | 61.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 123.14% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 68433    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 101.20% |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 106120   | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.40% |

## Target Compounds

|                            |       |     |         |              | Qvalue |
|----------------------------|-------|-----|---------|--------------|--------|
| 12) 1,1-Dichloroethene     | 3.64  | 96  | 26812   | 0.838 ug/L # | 1      |
| 19) 1,1-Dichloroethane     | 5.70  | 63  | 9973    | 0.190 ug/L # | 94     |
| 22) cis-1,2-Dichloroethene | 6.67  | 96  | 219064  | 8.232 ug/L   | 96     |
| 25) Chloroform             | 7.23  | 83  | 13904   | 0.273 ug/L   | 88     |
| 29) 1,1,1-Trichloroethane  | 7.43  | 97  | 15873   | 0.380 ug/L   | 92     |
| 34) Trichloroethene        | 8.71  | 95  | 364031  | 11.081 ug/L  | 93     |
| 47) Tetrachloroethene      | 10.51 | 164 | 1004496 | 49.623 ug/L  | 91     |

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

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