

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101118\  
 Data File : VR026040.D  
 Acq On : 11 Oct 2018 12:31  
 Operator : SY/MD  
 Sample : J5379-07DL 4X  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 H42A7DL

Quant Time: Oct 12 08:23:25 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  | 501925   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 430044   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 144481   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 126833   | 3.20     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 64.00%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 125043   | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 77.40%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 224774   | 2.42     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 48.40%# |
| 20) 2-Butanone-d5              | 6.59   | 46    | 216888   | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.30%  |
| 24) Chloroform-d               | 7.20   | 84    | 267040   | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 77.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 125917   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.00%  |
| 32) Benzene-d6                 | 7.85   | 84    | 487428   | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 68.20%# |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 150638   | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 78.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 419811   | 3.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 62.40%# |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 32438    | 3.71     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 74.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 172344   | 51.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 65264    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 83.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 95484    | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 82.60%  |

## Target Compounds

|                            |      |    |        |              | Ovalue |
|----------------------------|------|----|--------|--------------|--------|
| 22) cis-1,2-Dichloroethene | 6.67 | 96 | 84764  | 2.688 ug/L # | 97     |
| 29) 1,1,1-Trichloroethane  | 7.43 | 97 | 24123  | 0.499 ug/L # | 73     |
| 34) Trichloroethene        | 8.71 | 95 | 307914 | 8.102 ug/L   | 93     |

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

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