

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080918\  
 Data File : VR025609.D  
 Acq On : 9 Aug 2018 16:30  
 Operator : SY/MD  
 Sample : J4358-16DL 100X  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 ESWX7DL

Quant Time: Aug 10 06:51:56 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  | 513092   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 450953   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 148886   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 145515   | 4.57     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 91.40%   |
| 7) Chloroethane-d5             | 2.63   | 69    | 113706   | 4.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.80%   |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 259620   | 3.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.80%   |
| 20) 2-Butanone-d5              | 6.60   | 46    | 166653   | 63.42    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 126.84%  |
| 24) Chloroform-d               | 7.21   | 84    | 262977   | 4.98     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.60%   |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 96629    | 5.39     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 107.80%  |
| 32) Benzene-d6                 | 7.86   | 84    | 557500   | 4.61     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.20%   |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 155631   | 4.90     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%   |
| 41) Toluene-d8                 | 9.97   | 98    | 524811   | 4.41     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.20%   |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 34456    | 4.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 159731   | 61.55    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 123.10%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 74314    | 5.17     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 137463   | 6.04     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 120.80%# |

| Target Compounds           |      |    |        |       | Ovalue    |
|----------------------------|------|----|--------|-------|-----------|
| 5) Vinyl chloride          | 2.16 | 62 | 237242 | 6.12  | ug/L 98   |
| 22) cis-1,2-Dichloroethene | 6.68 | 96 | 692024 | 21.59 | ug/L # 97 |

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

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