

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR071818\  
 Data File : VR025514.D  
 Acq On : 18 Jul 2018 19:57  
 Operator : SY/MD  
 Sample : J4002-01DL 20X  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0AF3DL

Quant Time: Jul 19 06:39:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 19 05:17:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 549220   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 469827   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 151488   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 70902    | 4.68     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.60%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 59482    | 4.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.20%  |
| 11) 1,1-Dichloroethene-d2      | 3.62   | 63    | 153140   | 3.34     | ug/L | -0.02   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.80%  |
| 20) 2-Butanone-d5              | 6.60   | 46    | 171860   | 36.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 73.08%  |
| 24) Chloroform-d               | 7.21   | 84    | 338078   | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 126199   | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.00%  |
| 32) Benzene-d6                 | 7.86   | 84    | 699072   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 206585   | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 614624   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 45401    | 3.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 194497   | 49.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 96772    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 146369   | 5.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 117.00% |

| Target Compounds           |       |     |        |            | Ovalue |
|----------------------------|-------|-----|--------|------------|--------|
| 22) cis-1,2-Dichloroethene | 6.67  | 96  | 89632  | 2.39 ug/L  | # 89   |
| 34) Trichloroethene        | 8.71  | 95  | 451105 | 10.94 ug/L | 98     |
| 47) Tetrachloroethene      | 10.52 | 164 | 14454  | 0.54 ug/L  | 92     |

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

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