

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092818\  
 Data File : VR025901.D  
 Acq On : 28 Sep 2018 15:16  
 Operator : SY/MD  
 Sample : J5156-02MS  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 E62R5MS

Quant Time: Sep 29 05:42:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Sep 29 05:14:56 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 497264   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 413498   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 139934   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 193092   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.40%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 171637   | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.20% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 484504   | 5.26     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 105.20% |
| 20) 2-Butanone-d5              | 6.59   | 46    | 231450   | 52.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.88% |
| 24) Chloroform-d               | 7.20   | 84    | 328116   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 145900   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.40%  |
| 32) Benzene-d6                 | 7.85   | 84    | 681940   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 184731   | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.60%  |
| 41) Toluene-d8                 | 9.97   | 98    | 628329   | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.20%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 36654    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.20%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 174233   | 54.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.54% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 70978    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 111909   | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.80%  |

## Target Compounds

|                        |       |     |        |             | Ovalue |
|------------------------|-------|-----|--------|-------------|--------|
| 12) 1,1-Dichloroethene | 3.65  | 96  | 211968 | 5.647 ug/L  | 90     |
| 33) Benzene            | 7.91  | 78  | 785319 | 5.662 ug/L  | 100    |
| 34) Trichloroethene    | 8.71  | 95  | 424169 | 11.607 ug/L | 93     |
| 42) Toluene            | 10.04 | 91  | 835914 | 5.800 ug/L  | 96     |
| 51) Chlorobenzene      | 11.32 | 112 | 425029 | 5.560 ug/L  | 96     |

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

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