

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092818\  
 Data File : VV007983.D  
 Acq On : 29 Sep 2018 05:01  
 Operator : SY/MD  
 Sample : J5159-07  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 GAC93

Quant Time: Oct 01 06:57:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 01 04:55:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 84432    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 80461    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 39071    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 16665    | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.60%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 17670    | 4.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 90.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 29192    | 2.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.20%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 66248    | 48.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 97.32%  |
| 24) Chloroform-d               | 4.41   | 84    | 45912    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 25285    | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 85563    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 28266    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 78067    | 3.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 79.80%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 8859     | 3.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 47647    | 46.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 92.08%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 20923    | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 33404    | 4.42     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.40%  |

## Target Compounds

|                            |      |     |       |        | Ovalue   |
|----------------------------|------|-----|-------|--------|----------|
| 2) Dichlorodifluoromethane | 1.14 | 85  | 8465  | 1.195  | ug/L 100 |
| 9) Trichlorofluoromethane  | 1.77 | 101 | 7549  | 0.686  | ug/L 97  |
| 19) 1,1-Dichloroethane     | 3.23 | 63  | 23203 | 2.210  | ug/L 100 |
| 22) cis-1,2-Dichloroethene | 3.97 | 96  | 4515  | 0.725  | ug/L 99  |
| 29) 1,1,1-Trichloroethane  | 4.66 | 97  | 2277  | 0.235  | ug/L 98  |
| 34) Trichloroethene        | 5.96 | 95  | 4415  | 0.669  | ug/L 93  |
| 47) Tetrachloroethene      | 8.02 | 164 | 93671 | 15.323 | ug/L 95  |

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

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