

Data File : VV007606.D  
Acq On : 18 Sep 2018 17:14  
Operator : SY/MD  
Sample : J4874-03  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
A3Z81

Quant Time: Sep 19 14:03:44 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091818WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Sep 19 01:47:19 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 124298   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 114255   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 62038    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 27646    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 25387    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 61900    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 86.40%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 41959    | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.72% |
| 24) Chloroform-d               | 4.41   | 84    | 58800    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 29997    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.80%  |
| 32) Benzene-d6                 | 5.10   | 84    | 117420   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 33948    | 4.89     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 97.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 121661   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 14482    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.80%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 26549    | 48.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 97.12%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 22325    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 53324    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20%  |

#### Target Compounds

|                             |      |     |        |         | Qvalue   |
|-----------------------------|------|-----|--------|---------|----------|
| 3) Chloromethane            | 1.25 | 50  | 21989  | 2.916   | ug/L 98  |
| 6) Bromomethane             | 1.54 | 94  | 20819  | 3.288   | ug/L 100 |
| 9) Trichlorofluoromethane   | 1.77 | 101 | 111308 | 6.470   | ug/L 99  |
| 12) 1,1-Dichloroethene      | 2.14 | 96  | 27084  | 3.123   | ug/L 92  |
| 13) Acetone                 | 2.21 | 43  | 57148  | 82.141  | ug/L 99  |
| 14) Carbon disulfide        | 2.32 | 76  | 97859  | 3.861   | ug/L 99  |
| 16) Methylene chloride      | 2.54 | 84  | 19186  | 2.094   | ug/L 89  |
| 17) Methyl tert-butyl Ether | 2.82 | 73  | 151854 | 8.045   | ug/L 99  |
| 19) 1,1-Dichloroethane      | 3.23 | 63  | 99126  | 8.205   | ug/L 99  |
| 21) 2-Butanone              | 4.05 | 43  | 128047 | 118.237 | ug/L 99  |
| 27) 1,2-Dichloroethane      | 5.19 | 62  | 53623  | 6.565   | ug/L 98  |
| 29) 1,1,1-Trichloroethane   | 4.66 | 97  | 103775 | 7.787   | ug/L 99  |
| 30) Cyclohexane             | 4.72 | 56  | 110495 | 9.523   | ug/L 100 |
| 34) Trichloroethene         | 5.96 | 95  | 41481  | 4.262   | ug/L 98  |
| 35) Methylcyclohexane       | 6.18 | 83  | 77460  | 5.482   | ug/L 99  |
| 37) 1,2-Dichloropropane     | 6.23 | 63  | 13267  | 1.992   | ug/L 98  |
| 42) Toluene                 | 7.43 | 91  | 264397 | 7.793   | ug/L 99  |

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|--------------------------------|-------|------|----------|--------|-------|----------|
| 47) Tetrachloroethene          | 8.02  | 164  | 66174    | 7.545  | ug/L  | 99       |
| 48) 2-Hexanone                 | 8.20  | 43   | 163278   | 54.326 | ug/L  | 99       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 76577    | 14.217 | ug/L  | 97       |
| 51) Chlorobenzene              | 8.93  | 112  | 227822   | 9.687  | ug/L  | 99       |
| 52) Ethylbenzene               | 9.06  | 91   | 222716   | 5.771  | ug/L  | 98       |
| 53) m,p-xylene                 | 9.19  | 106  | 177186   | 11.418 | ug/L  | 100      |
| 54) o-xylene                   | 9.59  | 106  | 72016    | 4.945  | ug/L  | 98       |
| 55) Styrene                    | 9.61  | 104  | 118097   | 4.866  | ug/L  | 99       |
| 56) Isopropylbenzene           | 9.98  | 105  | 123173   | 3.047  | ug/L  | 100      |
| 61) Bromoform                  | 9.78  | 173  | 19600    | 4.738  | ug/L  | 97       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 81626    | 4.007  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene        | 11.69 | 146  | 209278   | 11.058 | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 3060     | 3.828  | ug/L  | 94       |
| 70) 1,2,3-Trichlorobenzene     | 13.80 | 180  | 108334   | 10.308 | ug/L  | 97       |

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

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