

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV072318\  
 Data File : VV006698.D  
 Acq On : 23 Jul 2018 14:12  
 Operator : SY/MD  
 Sample : VSTD00577  
 Misc : 25 mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00577

Manual Integrations  
 APPROVED

MMDadoda  
 7/26/2018 2:36:55 PM

Quant Time: Jul 24 02:15:14 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR072318WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 24 02:05:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 257232   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 239689   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 113603   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 67922  | 5.07  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.58  | 69  | 52386  | 4.98  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 134621 | 5.13  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 3.95  | 46  | 222083 | 53.09 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.41  | 84  | 131277 | 5.23  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.09  | 65  | 63416  | 5.18  | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 254185 | 5.16  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 84437  | 5.07  | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.37  | 98  | 225867 | 5.24  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.67  | 79  | 28248  | 5.20  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 8.14  | 63  | 188668 | 54.86 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27 | 84  | 70778  | 5.21  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.68 | 152 | 86732  | 5.12  | ug/L | 0.00 |

## Target Compounds

|                                |      |     |         |        | Qvalue   |
|--------------------------------|------|-----|---------|--------|----------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 120138m | 5.877  | ug/L     |
| 3) Chloromethane               | 1.26 | 50  | 101934  | 5.187  | ug/L 100 |
| 5) Vinyl chloride              | 1.32 | 62  | 125728  | 5.107  | ug/L 100 |
| 6) Bromomethane                | 1.52 | 94  | 28539   | 4.737  | ug/L 100 |
| 8) Chloroethane                | 1.59 | 64  | 66523   | 4.938  | ug/L 100 |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 144647  | 5.122  | ug/L 100 |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 89773   | 5.217  | ug/L 100 |
| 12) 1,1-Dichloroethene         | 2.14 | 96  | 85776   | 5.090  | ug/L 100 |
| 13) Acetone                    | 2.19 | 43  | 135548  | 50.930 | ug/L 100 |
| 14) Carbon disulfide           | 2.32 | 76  | 285873  | 5.045  | ug/L 100 |
| 15) Methyl Acetate             | 2.46 | 43  | 39708   | 5.033  | ug/L 100 |
| 16) Methylene chloride         | 2.54 | 84  | 92461   | 4.786  | ug/L 100 |
| 17) Methyl tert-butyl Ether    | 2.81 | 73  | 209718  | 5.073  | ug/L 100 |
| 18) trans-1,2-Dichloroethene   | 2.79 | 96  | 92363   | 5.046  | ug/L 100 |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 171428  | 5.091  | ug/L 100 |
| 21) 2-Butanone                 | 4.04 | 43  | 226059  | 50.711 | ug/L 100 |
| 22) cis-1,2-Dichloroethene     | 3.96 | 96  | 97381   | 5.102  | ug/L 100 |
| 23) Bromochloromethane         | 4.30 | 128 | 40356   | 5.138  | ug/L 100 |
| 25) Chloroform                 | 4.43 | 83  | 158976  | 5.032  | ug/L 100 |
| 27) 1,2-Dichloroethane         | 5.19 | 62  | 95946   | 5.176  | ug/L 100 |
| 29) 1,1,1-Trichloroethane      | 4.66 | 97  | 131538  | 5.101  | ug/L 100 |
| 30) Cyclohexane                | 4.72 | 56  | 147487  | 5.108  | ug/L 100 |
| 31) Carbon tetrachloride       | 4.88 | 117 | 113145  | 5.133  | ug/L 100 |
| 33) Benzene                    | 5.15 | 78  | 370947  | 5.148  | ug/L 100 |
| 34) Trichloroethene            | 5.96 | 95  | 92987   | 5.112  | ug/L 100 |
| 35) Methylcyclohexane          | 6.18 | 83  | 157755  | 5.192  | ug/L 100 |
| 37) 1,2-Dichloropropane        | 6.23 | 63  | 94721   | 5.121  | ug/L 100 |
| 38) Bromodichloromethane       | 6.56 | 83  | 106034  | 5.132  | ug/L 100 |
| 39) cis-1,3-Dichloropropene    | 7.08 | 75  | 123386  | 5.121  | ug/L 100 |
| 40) 4-Methyl-2-pentanone       | 7.28 | 43  | 538339  | 52.942 | ug/L 100 |

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 ALS Vial : 5 Sample Multiplier: 1

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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Jul 24 02:05:01 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| -----                          |       |      |          |        |       |          |
| 42) Toluene                    | 7.44  | 91   | 387079   | 5.217  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene  | 7.70  | 75   | 98629    | 5.206  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane      | 7.89  | 97   | 64911    | 5.210  | ug/L  | 100      |
| 47) Tetrachloroethene          | 8.02  | 164  | 75462    | 5.223  | ug/L  | 100      |
| 48) 2-Hexanone                 | 8.19  | 43   | 381502   | 53.769 | ug/L  | 100      |
| 49) Dibromochloromethane       | 8.30  | 129  | 68341    | 5.183  | ug/L  | 100      |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 57795    | 5.191  | ug/L  | 100      |
| 51) Chlorobenzene              | 8.93  | 112  | 246982   | 5.117  | ug/L  | 100      |
| 52) Ethylbenzene               | 9.06  | 91   | 411434   | 5.202  | ug/L  | 100      |
| 53) m,p-xylene                 | 9.19  | 106  | 157220   | 5.265  | ug/L  | 100      |
| 54) o-xylene                   | 9.59  | 106  | 153798   | 5.287  | ug/L  | 100      |
| 55) Styrene                    | 9.61  | 104  | 265032   | 5.402  | ug/L  | 100      |
| 56) Isopropylbenzene           | 9.98  | 105  | 398448   | 5.275  | ug/L  | 100      |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 77959    | 5.116  | ug/L  | 100      |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 56048    | 5.148  | ug/L  | 100      |
| 61) Bromoform                  | 9.78  | 173  | 34783    | 5.038  | ug/L  | 100      |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146  | 180113   | 5.129  | ug/L  | 100      |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 183146   | 5.117  | ug/L  | 100      |
| 65) 1,2-Dichlorobenzene        | 11.70 | 146  | 177210   | 5.180  | ug/L  | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 10813    | 5.282  | ug/L  | 100      |
| 67) 1,3,5-Trichlorobenzene     | 12.70 | 180  | 138048   | 5.149  | ug/L  | 100      |
| 68) 1,2,4-trichlorobenzene     | 13.32 | 180  | 110111   | 5.170  | ug/L  | 100      |
| 69) Naphthalene                | 13.56 | 128  | 188345   | 5.168  | ug/L  | 100      |
| 70) 1,2,3-Trichlorobenzene     | 13.80 | 180  | 107180   | 5.317  | ug/L  | 100      |
| -----                          |       |      |          |        |       |          |

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

