

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX092718\  
 Data File : VX004765.D  
 Acq On : 27 Sep 2018 11:16  
 Operator : JC/MD  
 Sample : VX0927WBS01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0927WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 9/28/2018 2:26:08 PM

Quant Time: Sep 28 06:36:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 290120   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 421015   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 390278   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 233702   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.07   | 65  | 186958   | 45.11 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 90.22%  |      |
| 35) Dibromofluoromethane  | 5.50   | 113 | 152112   | 42.63 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.26%  |      |
| 50) Toluene-d8            | 8.71   | 98  | 592761   | 49.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 99.94%  |      |
| 62) 4-Bromofluorobenzene  | 11.14  | 95  | 215541   | 50.44 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 100.88% |      |

## Target Compounds

|                               |      |     |         |         |      | Qvalue |
|-------------------------------|------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 86531   | 21.875  | ug/l | 97     |
| 3) Chloromethane              | 1.32 | 50  | 91121   | 18.987  | ug/l | 100    |
| 4) Vinyl Chloride             | 1.40 | 62  | 89674   | 19.922  | ug/l | 99     |
| 5) Bromomethane               | 1.64 | 94  | 43895   | 16.445  | ug/l | 98     |
| 6) Chloroethane               | 1.72 | 64  | 51517   | 19.585  | ug/l | 96     |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 112648  | 20.215  | ug/l | 93     |
| 8) Diethyl Ether              | 2.19 | 74  | 44775   | 18.496  | ug/l | 89     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 65901   | 20.761  | ug/l | 98     |
| 10) Methyl Iodide             | 2.51 | 142 | 51556   | 12.138  | ug/l | 100    |
| 11) Tert butyl alcohol        | 3.07 | 59  | 117496  | 101.394 | ug/l | 99     |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 61372   | 19.523  | ug/l | 97     |
| 13) Acrolein                  | 2.29 | 56  | 73205   | 88.789  | ug/l | 96     |
| 14) Allyl chloride            | 2.73 | 41  | 132749  | 19.354  | ug/l | 96     |
| 15) Acrylonitrile             | 3.15 | 53  | 241023  | 94.483  | ug/l | 99     |
| 16) Acetone                   | 2.44 | 43  | 223975  | 92.568  | ug/l | 97     |
| 17) Carbon Disulfide          | 2.57 | 76  | 181876  | 19.254  | ug/l | 99     |
| 18) Methyl Acetate            | 2.78 | 43  | 117874  | 19.228  | ug/l | 95     |
| 19) Methyl tert-butyl Ether   | 3.20 | 73  | 220826  | 20.365  | ug/l | 95     |
| 20) Methylene Chloride        | 2.85 | 84  | 70199   | 19.442  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 3.16 | 96  | 66230   | 19.246  | ug/l | 97     |
| 22) Diisopropyl ether         | 3.87 | 45  | 225260  | 19.503  | ug/l | 92     |
| 23) Vinyl Acetate             | 3.82 | 43  | 1014341 | 95.943  | ug/l | 95     |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 128164  | 18.602  | ug/l | 99     |
| 25) 2-Butanone                | 4.70 | 43  | 327709  | 91.885  | ug/l | 95     |
| 26) 2,2-Dichloropropane       | 4.58 | 77  | 94859   | 19.772  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene    | 4.60 | 96  | 71179   | 18.516  | ug/l | 95     |
| 28) Bromochloromethane        | 5.02 | 49  | 57691   | 17.782  | ug/l | 90     |
| 29) Tetrahydrofuran           | 5.15 | 42  | 213032  | 96.103  | ug/l | 92     |
| 30) Chloroform                | 5.21 | 83  | 116666  | 17.917  | ug/l | 97     |
| 31) Cyclohexane               | 5.57 | 56  | 113616  | 21.546  | ug/l | 93     |
| 32) 1,1,1-Trichloroethane     | 5.49 | 97  | 99302   | 18.674  | ug/l | 100    |
| 36) 1,1-Dichloropropene       | 5.79 | 75  | 90272   | 18.543  | ug/l | 100    |
| 37) Ethyl Acetate             | 4.85 | 43  | 115368  | 17.853  | ug/l | 98     |
| 38) Carbon Tetrachloride      | 5.78 | 117 | 86925   | 16.986  | ug/l | 99     |

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 Sample : VX0927WBS01  
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 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0927WBS01

Manual Integrations  
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Quant Time: Sep 28 06:36:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 26 14:17:02 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 39) Methylcyclohexane          | 7.46  | 83   | 110564   | 22.242  | ug/l  | 95       |
| 40) Benzene                    | 6.14  | 78   | 267663   | 17.562  | ug/l  | 100      |
| 41) Methacrylonitrile          | 5.06  | 41   | 64449    | 17.984  | ug/l  | 97       |
| 42) 1,2-Dichloroethane         | 6.20  | 62   | 93106    | 17.281  | ug/l  | 97       |
| 43) Isopropyl Acetate          | 6.46  | 43   | 170025   | 18.229  | ug/l  | 97       |
| 44) Trichloroethene            | 7.21  | 130  | 73709    | 19.673  | ug/l  | 97       |
| 45) 1,2-Dichloropropane        | 7.51  | 63   | 73355    | 19.626  | ug/l  | 99       |
| 46) Dibromomethane             | 7.66  | 93   | 45521    | 19.379  | ug/l  | 98       |
| 47) Bromodichloromethane       | 7.90  | 83   | 84009    | 19.102  | ug/l  | 97       |
| 48) Methyl methacrylate        | 7.77  | 41   | 87891    | 20.761  | ug/l  | 95       |
| 49) 1,4-Dioxane                | 7.75  | 88   | 42300    | 402.184 | ug/l  | 97       |
| 51) 4-Methyl-2-Pentanone       | 8.65  | 43   | 602936   | 102.665 | ug/l  | 94       |
| 52) Toluene                    | 8.79  | 92   | 168489   | 20.119  | ug/l  | 97       |
| 53) t-1,3-Dichloropropene      | 9.04  | 75   | 95279    | 19.172  | ug/l  | 97       |
| 54) cis-1,3-Dichloropropene    | 8.43  | 75   | 106743   | 20.506  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane      | 9.22  | 97   | 68967    | 18.800  | ug/l  | 99       |
| 56) Ethyl methacrylate         | 9.18  | 69   | 106547   | 19.736  | ug/l  | 96       |
| 57) 1,3-Dichloropropane        | 9.37  | 76   | 115928   | 18.988  | ug/l  | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 8.31  | 63   | 299649   | 103.641 | ug/l  | 94       |
| 59) 2-Hexanone                 | 9.49  | 43   | 476682   | 97.403  | ug/l  | 94       |
| 60) Dibromochloromethane       | 9.59  | 129  | 67485    | 18.395  | ug/l  | 100      |
| 61) 1,2-Dibromoethane          | 9.67  | 107  | 70599    | 17.970  | ug/l  | 100      |
| 64) Tetrachloroethene          | 9.34  | 164  | 69694    | 18.144  | ug/l  | 98       |
| 65) Chlorobenzene              | 10.14 | 112  | 187568   | 18.742  | ug/l  | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.22 | 131  | 64920    | 18.452  | ug/l  | 99       |
| 67) Ethyl Benzene              | 10.25 | 91   | 316463   | 19.918  | ug/l  | 96       |
| 68) m/p-Xylenes                | 10.36 | 106  | 246596   | 39.717  | ug/l  | 94       |
| 69) o-Xylene                   | 10.70 | 106  | 117314   | 20.571  | ug/l  | 96       |
| 70) Styrene                    | 10.71 | 104  | 195636   | 19.697  | ug/l  | 97       |
| 71) Bromoform                  | 10.86 | 173  | 52427    | 17.405  | ug/l  | 98       |
| 73) Isopropylbenzene           | 11.02 | 105  | 320760   | 21.775  | ug/l  | 100      |
| 74) N-amyl acetate             | 10.90 | 43   | 149737   | 19.595  | ug/l  | 93       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 109708   | 18.296  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 103487m  | 19.757  | ug/l  |          |
| 77) Bromobenzene               | 11.26 | 156  | 84639    | 19.782  | ug/l  | 97       |
| 78) n-propylbenzene            | 11.36 | 91   | 371890   | 22.003  | ug/l  | 99       |
| 79) 2-Chlorotoluene            | 11.42 | 91   | 218671   | 20.757  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 268977   | 19.803  | ug/l  | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.07 | 75   | 29857    | 16.916  | ug/l  | 96       |
| 82) 4-Chlorotoluene            | 11.51 | 91   | 258139   | 20.817  | ug/l  | 99       |
| 83) tert-Butylbenzene          | 11.77 | 119  | 266148   | 21.945  | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene     | 11.81 | 105  | 278017   | 19.848  | ug/l  | 97       |
| 85) sec-Butylbenzene           | 11.94 | 105  | 327223   | 22.151  | ug/l  | 98       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 291959   | 21.814  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene        | 12.02 | 146  | 157986   | 19.774  | ug/l  | 100      |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 159735   | 19.368  | ug/l  | 98       |
| 89) n-Butylbenzene             | 12.39 | 91   | 258163   | 21.239  | ug/l  | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 42957    | 19.277  | ug/l  | 96       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 155746   | 18.654  | ug/l  | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.00 | 75   | 24780    | 18.821  | ug/l  | 98       |

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ClientSampleId :  
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Quant Title : SW846 8260  
QLast Update : Wed Sep 26 14:17:02 2018  
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| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 117047   | 19.985 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 59508    | 19.594 | ug/l  | 96       |
| 95) Naphthalene            | 13.83 | 128  | 357239   | 18.832 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.02 | 180  | 119369   | 19.730 | ug/l  | 99       |

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

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