

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX033018\  
 Data File : VX000565.D  
 Acq On : 30 Mar 2018 17:31  
 Operator : JC/MD  
 Sample : VX0330MBS01  
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0330MBS01

Manual Integrations  
 APPROVED

sam  
 4/4/2018 6:11:04 PM

Quant Time: Apr 04 10:42:04 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.68  | 168  | 231356   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 368636   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 357166   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 207038   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65  | 133821   | 44.31 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 88.62%  |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 118069   | 50.83 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.66% |      |
| 50) Toluene-d8              | 8.73   | 98  | 440788   | 45.82 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.64%  |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 169421   | 42.70 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 85.40%  |      |

|                               |      |     |        |        |      |     |
|-------------------------------|------|-----|--------|--------|------|-----|
| Target Compounds              |      |     |        | Qvalue |      |     |
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 40646  | 15.94  | ug/l | 100 |
| 3) Chloromethane              | 1.32 | 50  | 42631  | 15.87  | ug/l | 98  |
| 4) Vinyl Chloride             | 1.40 | 62  | 49738  | 17.52  | ug/l | 96  |
| 5) Bromomethane               | 1.64 | 94  | 49869  | 14.71  | ug/l | 92  |
| 6) Chloroethane               | 1.73 | 64  | 32544  | 20.00  | ug/l | 95  |
| 7) Trichlorofluoromethane     | 1.93 | 101 | 91022  | 17.77  | ug/l | 99  |
| 8) Diethyl Ether              | 2.20 | 74  | 32267  | 17.62  | ug/l | 99  |
| 9) 1,1,2-Trichlorotrifluoroet | 2.39 | 101 | 51367  | 17.98  | ug/l | 91  |
| 10) Methyl Iodide             | 2.51 | 142 | 44000  | 18.49  | ug/l | 98  |
| 11) Tert butyl alcohol        | 3.09 | 59  | 89992  | 86.63  | ug/l | 99  |
| 12) 1,1-Dichloroethene        | 2.37 | 96  | 47622  | 18.99  | ug/l | 92  |
| 13) Acrolein                  | 2.30 | 56  | 58362  | 180.28 | ug/l | 97  |
| 14) Allyl chloride            | 2.73 | 41  | 74989  | 16.86  | ug/l | 98  |
| 15) Acrylonitrile             | 3.16 | 53  | 175081 | 83.21  | ug/l | 100 |
| 16) Acetone                   | 2.45 | 43  | 207879 | 82.75  | ug/l | 100 |
| 17) Carbon Disulfide          | 2.57 | 76  | 112576 | 16.89  | ug/l | 97  |
| 18) Methyl Acetate            | 2.79 | 43  | 83936  | 15.94  | ug/l | 98  |
| 19) Methyl tert-butyl Ether   | 3.21 | 73  | 165397 | 17.83  | ug/l | 99  |
| 20) Methylene Chloride        | 2.86 | 84  | 55214  | 19.03  | ug/l | 92  |
| 21) trans-1,2-Dichloroethene  | 3.17 | 96  | 51334  | 18.35  | ug/l | 94  |
| 22) Diisopropyl ether         | 3.89 | 45  | 124670 | 15.90  | ug/l | 92  |
| 23) Vinyl Acetate             | 3.84 | 43  | 573910 | 77.23  | ug/l | 97  |
| 24) 1,1-Dichloroethane        | 3.70 | 63  | 70809  | 14.37  | ug/l | 97  |
| 25) 2-Butanone                | 4.72 | 43  | 238799 | 84.57  | ug/l | 99  |
| 26) 2,2-Dichloropropane       | 4.60 | 77  | 62233  | 18.02  | ug/l | 97  |
| 27) cis-1,2-Dichloroethene    | 4.61 | 96  | 50030  | 19.14  | ug/l | 92  |
| 28) Bromochloromethane        | 5.03 | 49  | 36598  | 18.01  | ug/l | 85  |
| 29) Tetrahydrofuran           | 5.18 | 42  | 141588 | 81.49  | ug/l | 96  |
| 30) Chloroform                | 5.23 | 83  | 82595  | 17.88  | ug/l | 100 |
| 31) Cyclohexane               | 5.59 | 56  | 64980  | 17.05  | ug/l | 89  |
| 32) 1,1,1-Trichloroethane     | 5.51 | 97  | 75767  | 18.18  | ug/l | 95  |
| 36) 1,1-Dichloropropene       | 5.81 | 75  | 62192  | 18.01  | ug/l | 96  |
| 37) Ethyl Acetate             | 4.88 | 43  | 77452  | 16.42  | ug/l | 97  |
| 38) Carbon Tetrachloride      | 5.79 | 117 | 61775  | 17.05  | ug/l | 98  |

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 Sample : VX0330MBS01  
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleID :  
 VX0330MBS01

Manual Integrations  
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sam  
 4/4/2018 6:11:04 PM

Quant Time: Apr 04 10:42:04 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 21 04:52:42 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 7.47  | 83   | 73642    | 17.54  | ug/l   | 99       |
| 40) Benzene                    | 6.15  | 78   | 183612   | 18.31  | ug/l   | 98       |
| 41) Methacrylonitrile          | 5.07  | 41   | 39765    | 15.99  | ug/l   | 94       |
| 42) 1,2-Dichloroethane         | 6.21  | 62   | 65902    | 16.75  | ug/l   | 96       |
| 43) Isopropyl Acetate          | 6.48  | 43   | 110540   | 15.74  | ug/l   | 95       |
| 44) Trichloroethene            | 7.22  | 130  | 55385    | 19.28  | ug/l   | 92       |
| 45) 1,2-Dichloropropane        | 7.52  | 63   | 44170    | 17.21  | ug/l   | 98       |
| 46) Dibromomethane             | 7.67  | 93   | 34642    | 17.19  | ug/l   | 92       |
| 47) Bromodichloromethane       | 7.91  | 83   | 59107    | 16.67  | ug/l   | 98       |
| 48) Methyl methacrylate        | 7.79  | 41   | 53619    | 15.73  | ug/l   | 94       |
| 49) 1,4-Dioxane                | 7.77  | 88   | 28459    | 397.20 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43   | 415150   | 76.39  | ug/l   | 98       |
| 52) Toluene                    | 8.79  | 92   | 123297   | 17.59  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 8.45  | 75   | 71270    | 17.35  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 9.05  | 75   | 64542    | 16.20  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane      | 9.23  | 97   | 50975    | 17.68  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 9.19  | 69   | 73770    | 16.89  | ug/l   | 91       |
| 57) 1,3-Dichloropropane        | 9.38  | 76   | 81323    | 17.64  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether  | 8.32  | 63   | 171287   | 81.70  | ug/l   | 96       |
| 59) 2-Hexanone                 | 9.51  | 43   | 352335   | 76.35  | ug/l   | 97       |
| 60) Dibromochloromethane       | 9.59  | 129  | 49953    | 17.55  | ug/l   | 98       |
| 61) 1,2-Dibromoethane          | 9.68  | 107  | 56504    | 18.28  | ug/l   | 99       |
| 64) Tetrachloroethene          | 9.34  | 164  | 52688    | 19.01  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.15 | 112  | 148419   | 18.67  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.23 | 131  | 49535    | 18.35  | ug/l   | 97       |
| 67) Ethyl Benzene              | 10.26 | 91   | 243923   | 18.10  | ug/l   | 97       |
| 68) m/p-Xylenes                | 10.37 | 106  | 193666   | 36.53  | ug/l   | 96       |
| 69) o-Xylene                   | 10.71 | 106  | 94947    | 18.49  | ug/l   | 95       |
| 70) Styrene                    | 10.72 | 104  | 155692   | 18.33  | ug/l   | 96       |
| 71) Bromoform                  | 10.87 | 173  | 37904    | 16.96  | ug/l # | 97       |
| 73) Isopropylbenzene           | 11.02 | 105  | 252303   | 18.39  | ug/l   | 99       |
| 74) N-amyl acetate             | 6.48  | 43   | 110540   | 16.27  | ug/l # | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.27 | 83   | 84450    | 17.41  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane     | 11.30 | 75   | 86185m   | 19.37  | ug/l   |          |
| 77) Bromobenzene               | 11.26 | 156  | 68866    | 18.85  | ug/l   | 93       |
| 78) n-propylbenzene            | 11.37 | 91   | 292046   | 17.85  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 11.43 | 91   | 166618   | 17.63  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene     | 11.51 | 105  | 210500   | 18.25  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-buten | 11.09 | 75   | 19908    | 14.49  | ug/l   | 90       |
| 82) 4-Chlorotoluene            | 11.52 | 91   | 201365   | 17.85  | ug/l   | 96       |
| 83) tert-Butylbenzene          | 11.78 | 119  | 213766   | 18.38  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene     | 11.82 | 105  | 218352   | 18.06  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.95 | 105  | 259834   | 18.05  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 12.07 | 119  | 238209   | 18.63  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 12.04 | 146  | 133217   | 19.28  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene        | 12.10 | 146  | 134317   | 18.52  | ug/l   | 98       |
| 89) n-Butylbenzene             | 12.40 | 91   | 211697   | 17.79  | ug/l   | 98       |
| 90) Hexachloroethane           | 12.60 | 117  | 33127    | 16.46  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene        | 12.40 | 146  | 128497   | 18.97  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropropan | 13.01 | 75   | 21086    | 15.58  | ug/l # | 38       |

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Sample : VX0330MBS01  
Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA\_X/MEOH  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0330MBS01

Manual Integrations  
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sam  
4/4/2018 6:11:04 PM

Quant Time: Apr 04 10:42:04 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X032018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 21 04:52:42 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.65 | 180  | 98326    | 20.25 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 13.79 | 225  | 36517    | 18.16 | ug/l  | 98       |
| 95) Naphthalene            | 13.84 | 128  | 464557   | 27.46 | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene | 14.03 | 180  | 98210    | 20.47 | ug/l  | 98       |

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

