

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062420\  
 Data File : VX016940.D  
 Acq On : 24 Jun 2020 10:19  
 Operator : JC/SP  
 Sample : VSTDIC001  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

Quant Time: Jun 24 12:31:43 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X062420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 12:24:11 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 162700   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 279425   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 254937   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 123122   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |      |       |  |
|---------------------------|--------|-----|----------|------|-------|--|
| 33) 1,2-Dichloroethane-d4 | 0.00   | 65  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 35) Dibromofluoromethane  | 0.00   | 113 | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 50) Toluene-d8            | 0.00   | 98  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |
| 62) 4-Bromofluorobenzene  | 0.00   | 95  | 0d       | 0.00 | ug/l  |  |
| Spiked Amount             | 50.000 |     | Recovery | =    | 0.00% |  |

## Target Compounds

|                               |      |     |       |       |        | Qvalue |
|-------------------------------|------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.18 | 85  | 1448  | 0.783 | ug/l   | 90     |
| 3) Chloromethane              | 1.32 | 50  | 2058  | 1.030 | ug/l   | 99     |
| 4) Vinyl Chloride             | 1.39 | 62  | 1717  | 0.788 | ug/l   | 96     |
| 6) Chloroethane               | 1.72 | 64  | 1556  | 1.124 | ug/l   | 97     |
| 7) Trichlorofluoromethane     | 1.92 | 101 | 3100  | 0.976 | ug/l   | 92     |
| 8) Diethyl Ether              | 2.16 | 74  | 1717  | 1.390 | ug/l   | 84     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.36 | 101 | 1780  | 1.046 | ug/l # | 90     |
| 12) 1,1-Dichloroethene        | 2.36 | 96  | 1682  | 0.972 | ug/l   | 93     |
| 14) Allyl chloride            | 2.70 | 41  | 3854  | 1.557 | ug/l # | 85     |
| 15) Acrylonitrile             | 3.12 | 53  | 6547  | 8.099 | ug/l   | 99     |
| 16) Acetone                   | 2.42 | 43  | 6135  | 8.060 | ug/l   | 91     |
| 17) Carbon Disulfide          | 2.55 | 76  | 6281  | 1.345 | ug/l   | 96     |
| 18) Methyl Acetate            | 2.75 | 43  | 2986  | 1.591 | ug/l # | 88     |
| 19) Methyl tert-butyl Ether   | 3.17 | 73  | 6657  | 1.291 | ug/l   | 96     |
| 20) Methylene Chloride        | 2.83 | 84  | 3206  | 1.816 | ug/l   | 87     |
| 21) trans-1,2-Dichloroethene  | 3.14 | 96  | 2623  | 1.552 | ug/l   | 82     |
| 22) Diisopropyl ether         | 3.82 | 45  | 7328  | 1.534 | ug/l   | 89     |
| 23) Vinyl Acetate             | 3.78 | 43  | 28629 | 7.169 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.67 | 63  | 4416  | 1.530 | ug/l # | 89     |
| 25) 2-Butanone                | 4.63 | 43  | 7770  | 7.323 | ug/l # | 85     |
| 26) 2,2-Dichloropropane       | 4.54 | 77  | 3851  | 1.444 | ug/l   | 83     |
| 27) cis-1,2-Dichloroethene    | 4.57 | 96  | 2638  | 1.388 | ug/l   | 81     |
| 28) Bromochloromethane        | 4.98 | 49  | 2289  | 1.886 | ug/l # | 49     |
| 29) Tetrahydrofuran           | 5.09 | 42  | 5795  | 8.578 | ug/l   | 96     |
| 30) Chloroform                | 5.18 | 83  | 4338  | 1.430 | ug/l   | 93     |
| 32) 1,1,1-Trichloroethane     | 5.47 | 97  | 3200  | 1.123 | ug/l # | 45     |
| 36) 1,1-Dichloropropene       | 5.76 | 75  | 2893  | 1.101 | ug/l # | 81     |
| 37) Ethyl Acetate             | 4.80 | 43  | 3580  | 1.489 | ug/l # | 94     |
| 38) Carbon Tetrachloride      | 5.75 | 117 | 3223  | 1.106 | ug/l   | 92     |
| 39) Methylcyclohexane         | 7.43 | 83  | 3372  | 1.127 | ug/l # | 93     |
| 40) Benzene                   | 6.11 | 78  | 9322  | 1.190 | ug/l   | 96     |
| 41) Methacrylonitrile         | 5.01 | 41  | 1700  | 1.299 | ug/l # | 75     |
| 42) 1,2-Dichloroethane        | 6.17 | 62  | 3825  | 1.348 | ug/l   | 88     |
| 43) Isopropyl Acetate         | 6.42 | 43  | 6223  | 1.506 | ug/l # | 92     |

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 Quant Title : SW846 8260  
 QLast Update : Wed Jun 24 12:24:11 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 44) Trichloroethene            | 7.19  | 130  | 2118     | 0.932  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 7.49  | 63   | 2574     | 1.297  | ug/l # | 84       |
| 46) Dibromomethane             | 7.63  | 93   | 1506     | 1.121  | ug/l   | 93       |
| 47) Bromodichloromethane       | 7.87  | 83   | 2913     | 1.017  | ug/l   | 94       |
| 48) Methyl methacrylate        | 7.75  | 41   | 1823     | 0.923  | ug/l # | 67       |
| 49) 1,4-Dioxane                | 7.71  | 88   | 1315     | 30.493 | ug/l # | 74       |
| 51) 4-Methyl-2-Pentanone       | 8.62  | 43   | 13878    | 5.544  | ug/l   | 98       |
| 52) Toluene                    | 8.76  | 92   | 5156     | 0.998  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 9.02  | 75   | 3425     | 1.089  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene    | 8.42  | 75   | 3496     | 1.042  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane      | 9.20  | 97   | 2002     | 1.036  | ug/l # | 87       |
| 56) Ethyl methacrylate         | 9.16  | 69   | 2663     | 0.950  | ug/l   | 97       |
| 57) 1,3-Dichloropropane        | 9.35  | 76   | 3545     | 1.073  | ug/l # | 86       |
| 58) 2-Chloroethyl Vinyl ether  | 8.29  | 63   | 6830     | 5.026  | ug/l # | 89       |
| 59) 2-Hexanone                 | 9.47  | 43   | 9629     | 5.291  | ug/l   | 97       |
| 60) Dibromochloromethane       | 9.57  | 129  | 1990     | 0.864  | ug/l   | 97       |
| 61) 1,2-Dibromoethane          | 9.65  | 107  | 2069     | 0.979  | ug/l   | 94       |
| 64) Tetrachloroethene          | 9.32  | 164  | 1967     | 0.858  | ug/l   | 96       |
| 65) Chlorobenzene              | 10.12 | 112  | 5676     | 1.090  | ug/l   | 94       |
| 66) 1,1,1,2-Tetrachloroethane  | 10.20 | 131  | 2266     | 1.120  | ug/l # | 64       |
| 67) Ethyl Benzene              | 10.23 | 91   | 9163     | 1.026  | ug/l   | 94       |
| 68) m/p-Xylenes                | 10.34 | 106  | 6869     | 1.990  | ug/l   | 91       |
| 69) o-Xylene                   | 10.68 | 106  | 3006     | 0.938  | ug/l   | 91       |
| 70) Styrene                    | 10.70 | 104  | 5098     | 0.934  | ug/l   | 93       |
| 71) Bromoform                  | 10.84 | 173  | 1456     | 0.864  | ug/l # | 94       |
| 73) Isopropylbenzene           | 11.00 | 105  | 7824     | 0.971  | ug/l   | 98       |
| 74) N-amyl acetate             | 10.88 | 43   | 4410     | 1.460  | ug/l # | 94       |
| 75) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 2698     | 1.148  | ug/l # | 96       |
| 76) 1,2,3-Trichloropropane     | 11.28 | 75   | 3070m    | 1.313  | ug/l   |          |
| 77) Bromobenzene               | 11.24 | 156  | 2053     | 0.951  | ug/l   | 93       |
| 78) n-propylbenzene            | 11.34 | 91   | 8788     | 0.968  | ug/l   | 94       |
| 79) 2-Chlorotoluene            | 11.40 | 91   | 5878     | 1.059  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 6822     | 0.986  | ug/l   | 97       |
| 82) 4-Chlorotoluene            | 11.49 | 91   | 7630     | 1.150  | ug/l   | 98       |
| 83) tert-Butylbenzene          | 11.76 | 119  | 6012     | 0.875  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 6658     | 0.932  | ug/l   | 97       |
| 85) sec-Butylbenzene           | 11.93 | 105  | 7033     | 0.879  | ug/l   | 96       |
| 86) p-Isopropyltoluene         | 12.05 | 119  | 6516     | 0.898  | ug/l   | 91       |
| 87) 1,3-Dichlorobenzene        | 12.01 | 146  | 4403     | 1.122  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene        | 12.09 | 146  | 4404m    | 1.102  | ug/l   |          |
| 89) n-Butylbenzene             | 12.37 | 91   | 5898     | 0.930  | ug/l   | 92       |
| 90) Hexachloroethane           | 12.57 | 117  | 1393     | 1.051  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene        | 12.38 | 146  | 3788     | 0.990  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.98 | 75   | 816      | 1.484  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene     | 13.63 | 180  | 2537     | 1.023  | ug/l   | 96       |
| 94) Hexachlorobutadiene        | 13.76 | 225  | 945      | 0.859  | ug/l   | 93       |
| 95) Naphthalene                | 13.82 | 128  | 7360     | 0.976  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 2051     | 0.839  | ug/l   | 97       |

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Sample : VSTDICC001  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Quant Time: Jun 24 12:31:43 2020  
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Quant Title : SW846 8260  
QLast Update : Wed Jun 24 12:24:11 2020  
Response via : Initial Calibration

| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

