

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX061821\  
 Data File : VX022779.D  
 Acq On : 18 Jun 2021 20:07  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda

Quant Time: Jun 19 01:47:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

6/21/2021 10:57:20 AM

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.562          | 168  | 62566      | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 127011     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.061         | 117  | 118241     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 51932      | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.964          | 65   | 55332      | 49.174  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 98.340% |        |          |
| 35) Dibromofluoromethane     | 5.397          | 113  | 39814      | 49.131  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.260% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 155296     | 48.614  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.220% |        |          |
| 62) 4-Bromofluorobenzene     | 11.085         | 95   | 58705      | 48.591  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.180% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 33591      | 45.751  | ug/l   | 98       |
| 3) Chloromethane             | 1.295          | 50   | 38175      | 43.030  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 37223      | 42.700  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 25620      | 54.027  | ug/l   | 97       |
| 6) Chloroethane              | 1.679          | 64   | 24611      | 46.626  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 60337      | 48.065  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.136          | 74   | 23765      | 46.861  | ug/l   | 82       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 36841      | 48.105  | ug/l   | 89       |
| 10) Methyl Iodide            | 2.453          | 142  | 35803      | 41.696  | ug/l   | 94       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 57243      | 219.714 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 35701      | 47.000  | ug/l   | 94       |
| 13) Acrolein                 | 2.239          | 56   | 22495      | 206.034 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 69471      | 47.307  | ug/l   | 94       |
| 15) Acrylonitrile            | 3.075          | 53   | 129008     | 252.120 | ug/l   | 100      |
| 16) Acetone                  | 2.392          | 43   | 119985     | 238.136 | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 68089      | 39.835  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.715          | 43   | 74311      | 48.997  | ug/l   | 91       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 132668     | 50.335  | ug/l   | 96       |
| 20) Methylene Chloride       | 2.794          | 84   | 46543      | 47.827  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 39692      | 47.157  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.776          | 45   | 146117     | 50.277  | ug/l # | 91       |
| 23) Vinyl Acetate            | 3.733          | 43   | 678555     | 253.351 | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 82982      | 49.204  | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 203048     | 248.483 | ug/l   | 91       |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 55870      | 43.439  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 49586      | 48.352  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.904          | 49   | 42472      | 52.082  | ug/l # | 77       |
| 29) Tetrahydrofuran          | 5.019          | 42   | 120007     | 252.229 | ug/l   | 86       |
| 30) Chloroform               | 5.105          | 83   | 84533      | 50.286  | ug/l   | 99       |
| 31) Cyclohexane              | 5.477          | 56   | 60780      | 44.775  | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 69612      | 48.806  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 58988      | 46.612  | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.727          | 43   | 77380      | 48.108  | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 54099      | 49.975  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.385          | 83   | 60275      | 45.656  | ug/l   | 95       |
| 40) Benzene                  | 6.044          | 78   | 186598     | 49.561  | ug/l   | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda

Quant Time: Jun 19 01:47:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X061021W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jun 10 12:20:00 2021  
 Response via : Initial Calibration

6/21/2021 10:57:20 AM

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 42926    | 49.800  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.099  | 62   | 71152    | 51.379  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.355  | 43   | 127936   | 50.366  | ug/l # | 92       |
| 44) Trichloroethene           | 7.135  | 130  | 43043    | 48.700  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.440  | 63   | 49679    | 48.904  | ug/l   | 99       |
| 46) Dibromomethane            | 7.586  | 93   | 32382    | 47.405  | ug/l # | 86       |
| 47) Bromodichloromethane      | 7.830  | 83   | 62201    | 46.954  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.702  | 41   | 60657    | 49.742  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 22887    | 986.113 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 425687   | 264.006 | ug/l   | 88       |
| 52) Toluene                   | 8.720  | 92   | 114882   | 49.026  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 67500    | 43.194  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.373  | 75   | 75212    | 44.725  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.159  | 97   | 50345    | 52.508  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 78728    | 45.606  | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 85719    | 51.405  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.251  | 63   | 217597   | 251.743 | ug/l   | 95       |
| 59) 2-Hexanone                | 9.433  | 43   | 322320   | 261.636 | ug/l   | 88       |
| 60) Dibromochloromethane      | 9.525  | 129  | 44084    | 47.013  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.616  | 107  | 49654    | 51.887  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.281  | 164  | 38271    | 51.182  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.080 | 112  | 119708   | 48.576  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 42666    | 47.910  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 224210   | 49.421  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 164331   | 100.004 | ug/l   | 95       |
| 69) o-Xylene                  | 10.647 | 106  | 81258    | 51.037  | ug/l   | 94       |
| 70) Styrene                   | 10.659 | 104  | 139668   | 47.571  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 25902    | 44.819  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 220163   | 51.631  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 117996   | 51.453  | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 79748    | 52.579  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 72395m   | 52.577  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 46075    | 50.580  | ug/l   | 83       |
| 78) n-propylbenzene           | 11.305 | 91   | 259999   | 50.480  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 154461   | 49.560  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 182950   | 51.506  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.024 | 75   | 21783    | 42.036  | ug/l # | 85       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 177160   | 49.673  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 168378   | 50.472  | ug/l   | 89       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 183361   | 50.893  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.896 | 105  | 220789   | 50.670  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 179727   | 49.963  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 84577    | 48.917  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 84380    | 47.409  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.335 | 91   | 168916   | 49.048  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.543 | 117  | 26902    | 45.364  | ug/l   | 73       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 83692    | 49.676  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 16198    | 45.650  | ug/l   | 75       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 49609    | 49.082  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 17229    | 47.534  | ug/l   | 97       |
| 95) Naphthalene               | 13.780 | 128  | 210420   | 47.742  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 50770    | 51.525  | ug/l   | 96       |

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Quant Title : SW846 8260  
QLast Update : Thu Jun 10 12:20:00 2021  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
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VSTDCCC050EC

Manual Integrations  
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6/21/2021 10:57:20 AM

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

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