

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX082323\  
 Data File : VX037172.D  
 Acq On : 23 Aug 2023 10:38  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Aug 24 05:27:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Semsettin  
 Yesilyurt

08/24/2023  
 Supervised By : Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 142504   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 248257   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 237663   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 125707   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 109731   | 53.411   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 78 - 117 | Recovery | = 106.820% |      |
| 35) Dibromofluoromethane  | 5.379  | 113   | 88501    | 53.828   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 107.660% |      |
| 50) Toluene-d8            | 8.647  | 98    | 306557   | 51.402   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 92 - 112 | Recovery | = 102.800% |      |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 128484   | 54.820   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 83 - 123 | Recovery | = 109.640% |      |

### Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 79735  | 48.168  | ug/l   | 98     |
| 3) Chloromethane             | 1.294 | 50  | 76422  | 52.771  | ug/l   | 97     |
| 4) Vinyl Chloride            | 1.374 | 62  | 75067  | 47.621  | ug/l   | 99     |
| 5) Bromomethane              | 1.618 | 94  | 57404  | 73.107  | ug/l   | 100    |
| 6) Chloroethane              | 1.691 | 64  | 50155  | 54.069  | ug/l   | 99     |
| 7) Trichlorofluoromethane    | 1.892 | 101 | 127801 | 49.493  | ug/l   | 99     |
| 8) Diethyl Ether             | 2.130 | 74  | 53156  | 53.208  | ug/l   | 78     |
| 9) 1,1,2-Trichlorotrifluo... | 2.331 | 101 | 70135  | 46.558  | ug/l   | 97     |
| 10) Methyl Iodide            | 2.453 | 142 | 108836 | 59.446  | ug/l   | 95     |
| 11) Tert butyl alcohol       | 2.989 | 59  | 96357  | 199.941 | ug/l # | 92     |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 68338  | 46.586  | ug/l   | 88     |
| 13) Acrolein                 | 2.239 | 56  | 64518  | 175.979 | ug/l   | 97     |
| 14) Allyl chloride           | 2.666 | 41  | 115048 | 50.670  | ug/l # | 94     |
| 15) Acrylonitrile            | 3.062 | 53  | 214608 | 249.493 | ug/l   | 99     |
| 16) Acetone                  | 2.386 | 43  | 229642 | 285.724 | ug/l   | 92     |
| 17) Carbon Disulfide         | 2.514 | 76  | 163629 | 43.852  | ug/l   | 98     |
| 18) Methyl Acetate           | 2.703 | 43  | 146765 | 48.499  | ug/l # | 88     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 297714 | 53.512  | ug/l   | 98     |
| 20) Methylene Chloride       | 2.788 | 84  | 88657  | 49.326  | ug/l   | 87     |
| 21) trans-1,2-Dichloroethene | 3.093 | 96  | 79656  | 47.768  | ug/l   | 89     |
| 22) Diisopropyl ether        | 3.757 | 45  | 246285 | 52.859  | ug/l # | 87     |
| 23) Vinyl Acetate            | 3.721 | 43  | 970516 | 271.819 | ug/l # | 91     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 147668 | 50.540  | ug/l   | 97     |
| 25) 2-Butanone               | 4.556 | 43  | 305732 | 252.637 | ug/l # | 88     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 138294 | 52.999  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 101051 | 51.402  | ug/l   | 91     |
| 28) Bromochloromethane       | 4.891 | 49  | 75104  | 57.541  | ug/l # | 78     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 180624 | 234.043 | ug/l # | 84     |
| 30) Chloroform               | 5.093 | 83  | 169133 | 51.567  | ug/l   | 100    |
| 31) Cyclohexane              | 5.471 | 56  | 105287 | 45.578  | ug/l   | 86     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 144338 | 49.108  | ug/l   | 97     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 109591 | 46.916  | ug/l   | 97     |
| 37) Ethyl Acetate            | 4.708 | 43  | 115354 | 48.344  | ug/l # | 94     |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 124164 | 48.933  | ug/l   | 97     |
| 39) Methylcyclohexane        | 7.379 | 83  | 122213 | 49.798  | ug/l   | 92     |
| 40) Benzene                  | 6.038 | 78  | 336924 | 50.292  | ug/l   | 99     |

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Quant Time: Aug 24 05:27:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Yesilyurt

08/24/2023

Supervised By :Mahesh  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 62696    | 50.544  | ug/l # | 89       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 138318   | 52.649  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 197325   | 52.089  | ug/l # | 93       |
| 44) Trichloroethene           | 7.123  | 130  | 90235    | 47.501  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 87416    | 52.920  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 69376    | 53.313  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 138418   | 55.534  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 96412    | 52.186  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 7.690  | 88   | 37182    | 747.299 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 581357   | 252.727 | ug/l   | 91       |
| 52) Toluene                   | 8.714  | 92   | 221425   | 50.024  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 154973   | 58.395  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 158366   | 55.220  | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 97871    | 54.300  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 153724   | 54.450  | ug/l   | 88       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 161847   | 53.267  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 376427   | 277.839 | ug/l   | 93       |
| 59) 2-Hexanone                | 9.427  | 43   | 452804   | 258.162 | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.519  | 129  | 110166   | 57.408  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 106679   | 54.058  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 68833    | 39.701  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 251326   | 50.034  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 98824    | 53.306  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 431326   | 48.800  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 335438   | 98.274  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 168353   | 49.992  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 290066   | 52.290  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 79801    | 57.546  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 423519   | 46.352  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 177797   | 50.079  | ug/l   | 91       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 151318   | 49.175  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 129274m  | 48.288  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 108767   | 48.742  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 494207   | 48.575  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 307480   | 47.292  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 368557   | 48.355  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 50817    | 53.017  | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 365027   | 48.637  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 362510   | 49.871  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 379681   | 49.290  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 433339   | 51.038  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 376645   | 51.532  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 206446   | 49.414  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 213689   | 49.506  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 333725   | 55.073  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 68468    | 56.124  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 205540   | 50.242  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 35664    | 49.880  | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 130098   | 54.349  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 46843    | 50.654  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 451465   | 43.056  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 125710   | 52.859  | ug/l   | 99       |

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Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
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Manual Integrations  
APPROVED

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

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