

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051124\  
 Data File : VX041474.D  
 Acq On : 10 May 2024 21:11  
 Operator : JC/MD  
 Sample : P2445-05MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RMW-01B-83-050924MSD

Quant Time: May 11 01:41:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 06:03:16 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 05/13/2024  
 Supervised By : Mahesh Dadoda 05/13/2024

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 174888   | 50.000 | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 255313   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 231291   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 113903   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 100082   | 52.567   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 105.140% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 81634    | 47.182   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.360%  |
| 50) Toluene-d8              | 8.647  | 98    | 281430   | 51.392   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 102.780% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 108116   | 51.001   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 102.000% |

|                              |       |     |         |         |      |      |
|------------------------------|-------|-----|---------|---------|------|------|
| Target Compounds             |       |     |         | Qvalue  |      |      |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 77013   | 53.591  | ug/l | 97   |
| 3) Chloromethane             | 1.301 | 50  | 76753   | 51.615  | ug/l | 98   |
| 4) Vinyl Chloride            | 1.374 | 62  | 71624   | 50.526  | ug/l | 99   |
| 5) Bromomethane              | 1.599 | 94  | 50106   | 56.383  | ug/l | 97   |
| 6) Chloroethane              | 1.666 | 64  | 40309   | 61.243  | ug/l | 97   |
| 7) Trichlorofluoromethane    | 1.861 | 101 | 123843  | 50.663  | ug/l | 99   |
| 8) Diethyl Ether             | 2.136 | 74  | 46542   | 54.020  | ug/l | 89   |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 76154   | 55.431  | ug/l | 88   |
| 10) Methyl Iodide            | 2.441 | 142 | 89768   | 60.710  | ug/l | 90   |
| 11) Tert butyl alcohol       | 3.014 | 59  | 124987  | 327.989 | ug/l | # 92 |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 75592   | 55.777  | ug/l | 90   |
| 13) Acrolein                 | 2.239 | 56  | 71863   | 237.712 | ug/l | 99   |
| 14) Allyl chloride           | 2.660 | 41  | 132327  | 58.117  | ug/l | 98   |
| 15) Acrylonitrile            | 3.075 | 53  | 268057  | 308.211 | ug/l | 99   |
| 16) Acetone                  | 2.392 | 43  | 251624  | 300.918 | ug/l | 97   |
| 17) Carbon Disulfide         | 2.502 | 76  | 152402  | 47.838  | ug/l | 99   |
| 18) Methyl Acetate           | 2.709 | 43  | 116119  | 59.613  | ug/l | 97   |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 277135  | 56.096  | ug/l | 98   |
| 20) Methylene Chloride       | 2.788 | 84  | 88233   | 53.382  | ug/l | 91   |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 78312   | 51.706  | ug/l | 90   |
| 22) Diisopropyl ether        | 3.763 | 45  | 271200  | 56.201  | ug/l | 93   |
| 23) Vinyl Acetate            | 3.721 | 43  | 1200409 | 278.094 | ug/l | 97   |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 152006  | 55.758  | ug/l | 96   |
| 25) 2-Butanone               | 4.568 | 43  | 390192  | 316.649 | ug/l | 96   |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 107437  | 47.135  | ug/l | 95   |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 99459   | 55.463  | ug/l | 90   |
| 28) Bromochloromethane       | 4.897 | 49  | 48655   | 50.008  | ug/l | # 78 |
| 29) Tetrahydrofuran          | 5.013 | 42  | 245579  | 304.730 | ug/l | 96   |
| 30) Chloroform               | 5.093 | 83  | 161620  | 56.984  | ug/l | 95   |
| 31) Cyclohexane              | 5.464 | 56  | 114209  | 49.703  | ug/l | 91   |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 141791  | 54.949  | ug/l | 98   |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 100083  | 48.376  | ug/l | 96   |
| 37) Ethyl Acetate            | 4.721 | 43  | 137905  | 53.422  | ug/l | 99   |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 120687  | 50.921  | ug/l | 96   |
| 39) Methylcyclohexane        | 7.379 | 83  | 117359  | 48.285  | ug/l | 92   |
| 40) Benzene                  | 6.031 | 78  | 329033  | 51.590  | ug/l | 99   |

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 Sample : P2445-05MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RMW-01B-83-050924MSD

Quant Time: May 11 01:41:41 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 08 06:03:16 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 05/13/2024  
 Supervised By :Mahesh Dadoda 05/13/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 75765    | 57.026   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 125080   | 53.513   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 210660   | 54.276   | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 92511    | 54.931   | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 81852    | 57.441   | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 62218    | 54.847   | ug/l # | 78       |
| 47) Bromodichloromethane      | 7.824  | 83   | 119885   | 59.306   | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 108861   | 61.185   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 58834    | 1529.447 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 757793   | 325.376  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 211529   | 54.218   | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 115878   | 49.345   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 123378   | 55.517   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 87121    | 57.985   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 143943   | 61.903   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 145021   | 57.834   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.171  | 63   | 489      | 0.434    | ug/l # | 47       |
| 59) 2-Hexanone                | 9.433  | 43   | 600056   | 322.207  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 101534   | 57.403   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 93881    | 56.796   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 80802    | 48.244   | ug/l   | 91       |
| 65) Chlorobenzene             | 10.079 | 112  | 249017   | 53.036   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 90563    | 54.588   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 407056   | 52.547   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 322102   | 103.832  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 161009   | 54.207   | ug/l   | 93       |
| 70) Styrene                   | 10.652 | 104  | 275555   | 56.536   | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 83273    | 56.086   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 414014   | 59.546   | ug/l   | 97       |
| 74) N-amyl acetate            | 10.841 | 43   | 184515   | 60.743   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 149569   | 65.649   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 119518m  | 64.386   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 118378   | 60.324   | ug/l   | 79       |
| 78) n-propylbenzene           | 11.305 | 91   | 452505   | 61.966   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 281489   | 59.816   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 337751   | 59.590   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 41369    | 60.705   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 326160   | 61.051   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 367818   | 60.600   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 347887   | 61.000   | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 394223   | 56.676   | ug/l   | 95       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 325583   | 52.118   | ug/l   | 94       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 187643   | 52.607   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 192766   | 52.455   | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 256878   | 51.138   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 57793    | 55.320   | ug/l   | 64       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 194069   | 51.512   | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 30919    | 58.730   | ug/l   | 60       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 146405   | 55.594   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 67235    | 51.126   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 472236   | 60.512   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 152436   | 56.637   | ug/l   | 96       |

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APPROVED

Reviewed By :John Carlone 05/13/2024  
Supervised By :Mahesh Dadoda 05/13/2024

Quant Time: May 11 01:41:41 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X043024W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 08 06:03:16 2024  
Response via : Initial Calibration

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

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

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