

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022124\  
 Data File : VX040373.D  
 Acq On : 21 Feb 2024 11:59  
 Operator : JC/MD  
 Sample : VX0221WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBS01

Quant Time: Feb 22 01:04:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/22/2024  
 Supervised By : Mahesh Dadoda 02/22/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 77017               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 131962              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 123736              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 64008               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 64011               | 55.866  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 111.740% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 48109               | 52.204  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.400% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 171836              | 49.847  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 99.700%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 67313               | 47.878  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 95.760%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 18045               | 20.742  | ug/l   | 97       |
| 3) Chloromethane             | 1.294          | 50   | 17593               | 19.611  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 17989               | 18.975  | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 12720               | 23.776  | ug/l   | 98       |
| 6) Chloroethane              | 1.685          | 64   | 11271               | 18.851  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 29318               | 19.257  | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136          | 74   | 11371               | 19.882  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 16975               | 20.786  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.453          | 142  | 18650               | 20.570  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 22700               | 101.711 | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 15279               | 19.431  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 20868               | 101.302 | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 29886               | 21.901  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.062          | 53   | 55428               | 110.997 | ug/l   | 98       |
| 16) Acetone                  | 2.374          | 43   | 58288               | 123.863 | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.514          | 76   | 33471               | 16.124  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.697          | 43   | 25861               | 20.500  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 60939               | 21.998  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 19196               | 20.829  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 17522               | 19.566  | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.757          | 45   | 64826               | 23.425  | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.721          | 43   | 288077              | 116.770 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 34790               | 21.581  | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 81129               | 110.292 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 27317               | 22.013  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 21216               | 20.767  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.898          | 49   | 13228               | 19.327  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 51663               | 107.804 | ug/l   | 98       |
| 30) Chloroform               | 5.093          | 83   | 37084               | 21.277  | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 25943               | 18.983  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 30404               | 20.736  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 25389               | 19.667  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.708          | 43   | 29774               | 20.728  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 24255               | 19.761  | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.379          | 83   | 26713               | 17.806  | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 72482               | 20.078  | ug/l   | 96       |

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 Operator : JC/MD  
 Sample : VX0221WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0221WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/22/2024  
 Supervised By : Mahesh Dadoda 02/22/2024

Quant Time: Feb 22 01:04:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 16976    | 22.293  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 30842    | 21.857  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.330  | 43   | 49319    | 21.995  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 19206    | 19.287  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 20132    | 21.425  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 14557    | 21.035  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 28660    | 21.494  | ug/l   | 94       |
| 48) Methyl methacrylate       | 7.690  | 41   | 24309    | 21.187  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 8858     | 354.882 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 164452   | 107.419 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 45139    | 19.089  | ug/l   | 90       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 28662    | 19.150  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 30123    | 20.157  | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 20190    | 20.019  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 30739    | 20.359  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 35193    | 21.379  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 72061    | 100.892 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.427  | 43   | 126949   | 104.588 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 20536    | 19.986  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 20898    | 19.494  | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.275  | 164  | 16347    | 18.852  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 51143    | 19.804  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 18420    | 20.595  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 92475    | 20.106  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 66966    | 38.552  | ug/l   | 92       |
| 69) o-Xylene                  | 10.640 | 106  | 34011    | 20.149  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 56812    | 20.244  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 14221    | 18.220  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 90823    | 20.146  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 41249    | 21.346  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 33546    | 20.711  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 27741m   | 21.402  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 21689    | 20.369  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 111496   | 20.428  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 65873    | 19.986  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 78436    | 20.666  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 7732     | 19.112  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 76330    | 19.546  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 73375    | 19.719  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 75936    | 19.776  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 96311    | 20.140  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 77480    | 19.765  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 41011    | 19.439  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 42991    | 19.243  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 74055    | 19.571  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 11777    | 19.047  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 41390    | 20.265  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 6788     | 18.158  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 26664    | 19.069  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 10209    | 18.294  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 85868    | 19.444  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 26379    | 19.792  | ug/l   | 97       |

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Sample : VX0221WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0221WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/22/2024  
Supervised By :Mahesh Dadoda 02/22/2024

Quant Time: Feb 22 01:04:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration

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

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

