

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080724\  
 Data File : VX042884.D  
 Acq On : 06 Aug 2024 21:02  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX080724

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 08/07/2024  
 Supervised By :Mahesh Dadoda 08/08/2024

Quant Time: Aug 07 03:00:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 07 02:55:22 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.555          | 168  | 253992              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 433504              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 375080              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 184018              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 177922              | 51.027  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 102.060% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 146373              | 51.641  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.280% |         |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 504830              | 50.170  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 100.340% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 182322              | 50.422  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 100.840% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 140658              | 51.378  | ug/l   | 97       |
| 3) Chloromethane             | 1.300          | 50   | 143378              | 48.066  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.373          | 62   | 139983              | 49.460  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 80786               | 47.164  | ug/l   | 99       |
| 6) Chloroethane              | 1.666          | 64   | 74204               | 46.022  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.873          | 101  | 228213              | 51.849  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.135          | 74   | 76640               | 47.339  | ug/l   | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318          | 101  | 133138              | 48.111  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.440          | 142  | 148705              | 51.968  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 188218              | 271.385 | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 132169              | 47.211  | ug/l   | 88       |
| 13) Acrolein                 | 2.239          | 56   | 161916              | 236.849 | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 200579              | 47.417  | ug/l   | 94       |
| 15) Acrylonitrile            | 3.074          | 53   | 424834              | 239.996 | ug/l   | 99       |
| 16) Acetone                  | 2.391          | 43   | 347584              | 229.828 | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.501          | 76   | 331453              | 48.653  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.708          | 43   | 217426              | 45.336  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.123          | 73   | 452650              | 48.038  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 151272              | 48.307  | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 3.086          | 96   | 135896              | 48.249  | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.769          | 45   | 447579              | 48.164  | ug/l   | 87       |
| 23) Vinyl Acetate            | 3.727          | 43   | 2646320             | 250.908 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 257016              | 48.089  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 574116              | 241.727 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.470          | 77   | 151088              | 45.984  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 165941              | 49.679  | ug/l   | 89       |
| 28) Bromochloromethane       | 4.897          | 49   | 87046               | 42.446  | ug/l # | 83       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 385654              | 240.296 | ug/l   | 95       |
| 30) Chloroform               | 5.092          | 83   | 270798              | 48.400  | ug/l   | 97       |
| 31) Cyclohexane              | 5.464          | 56   | 214512              | 49.168  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 240375              | 48.803  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 176751              | 45.993  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.726          | 43   | 226469              | 47.100  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.677          | 117  | 202813              | 46.752  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.378          | 83   | 227321              | 49.760  | ug/l   | 94       |
| 40) Benzene                  | 6.037          | 78   | 572371              | 47.990  | ug/l   | 99       |

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 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX080724

Quant Time: Aug 07 03:00:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Aug 07 02:55:22 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 08/07/2024  
 Supervised By : Mahesh Dadoda 08/08/2024

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 121667   | 49.128   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 206136   | 47.516   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 348410   | 48.996   | ug/l   | 97       |
| 44) Trichloroethene           | 7.122  | 130  | 139752   | 46.633   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 141331   | 46.713   | ug/l   | 99       |
| 46) Dibromomethane            | 7.579  | 93   | 104909   | 47.212   | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.823  | 83   | 201299   | 48.765   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.695  | 41   | 168358   | 49.376   | ug/l   | 91       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 77953    | 1029.881 | ug/l # | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.579  | 43   | 1150132  | 241.464  | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 351310   | 48.559   | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 193765   | 50.779   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 208564   | 49.491   | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 142569   | 48.475   | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 235292   | 49.716   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 232694   | 48.297   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 553871   | 248.307  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 891190   | 241.460  | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.524  | 129  | 161337   | 49.936   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 151225   | 48.666   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.274  | 164  | 127985   | 49.075   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 382816   | 48.096   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.164 | 131  | 138449   | 50.446   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 674294   | 50.364   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 517328   | 101.217  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 253851   | 49.580   | ug/l   | 100      |
| 70) Styrene                   | 10.658 | 104  | 428234   | 52.013   | ug/l   | 97       |
| 71) Bromoform                 | 10.798 | 173  | 116714   | 50.168   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 658993   | 49.532   | ug/l   | 98       |
| 74) N-amyl acetate            | 10.841 | 43   | 304347   | 50.840   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 226078   | 46.386   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 183912m  | 44.439   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 165270   | 48.834   | ug/l   | 89       |
| 78) n-propylbenzene           | 11.304 | 91   | 750817   | 50.805   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.365 | 91   | 458050   | 48.358   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 558080   | 50.660   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 65200    | 51.226   | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 524899   | 49.302   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 572349   | 50.556   | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.749 | 105  | 560136   | 50.507   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 679354   | 50.961   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 571128   | 51.567   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 294546   | 48.090   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 293515   | 46.754   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 486738   | 50.942   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.542 | 117  | 99937    | 49.328   | ug/l   | 85       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 297994   | 48.586   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 52644    | 49.157   | ug/l   | 84       |
| 93) 1,2,4-Trichlorobenzene    | 13.584 | 180  | 181193   | 48.433   | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 79508    | 50.110   | ug/l   | 98       |
| 95) Naphthalene               | 13.773 | 128  | 660795   | 51.043   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.962 | 180  | 187959   | 49.911   | ug/l   | 100      |

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX080724

Manual Integrations  
APPROVED

Reviewed By :John Carlone 08/07/2024  
Supervised By :Mahesh Dadoda 08/08/2024

Quant Time: Aug 07 03:00:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X080724W.M  
Quant Title : SW846 8260  
QLast Update : Wed Aug 07 02:55:22 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

