

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021524\  
 Data File : VX040244.D  
 Acq On : 15 Feb 2024 12:08  
 Operator : JC/MD  
 Sample : VX0215WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0215WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/16/2024  
 Supervised By : Mahesh Dadoda 02/16/2024

Quant Time: Feb 16 00:47:01 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) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 80401      | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 133005     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 125634     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 66835      | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 54421      | 45.498  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 91.000% |       |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 43593      | 46.933  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 93.860% |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 161866     | 46.587  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 93.180% |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 64217      | 45.318  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 90.640% |       |          |
| Target Compounds             |                |      |            |         |       |          |
|                              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 17952      | 19.767  | ug/l  | 96       |
| 3) Chloromethane             | 1.295          | 50   | 17049      | 18.204  | ug/l  | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 18519      | 18.712  | ug/l  | 97       |
| 5) Bromomethane              | 1.605          | 94   | 13710      | 24.548  | ug/l  | 99       |
| 6) Chloroethane              | 1.685          | 64   | 11308      | 18.116  | ug/l  | 95       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 29564      | 18.601  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 10899      | 18.255  | ug/l  | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 16355      | 19.184  | ug/l  | 94       |
| 10) Methyl Iodide            | 2.453          | 142  | 19278      | 20.367  | ug/l  | 90       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 20700      | 88.846  | ug/l  | # 92     |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 15552      | 18.946  | ug/l  | 88       |
| 13) Acrolein                 | 2.233          | 56   | 18452      | 85.803  | ug/l  | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 26079      | 18.307  | ug/l  | 98       |
| 15) Acrylonitrile            | 3.063          | 53   | 49780      | 95.491  | ug/l  | 100      |
| 16) Acetone                  | 2.374          | 43   | 47773      | 97.246  | ug/l  | 94       |
| 17) Carbon Disulfide         | 2.514          | 76   | 37745      | 17.417  | ug/l  | 95       |
| 18) Methyl Acetate           | 2.703          | 43   | 21238      | 16.127  | ug/l  | 93       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 53819      | 18.610  | ug/l  | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 18687      | 19.312  | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 16650      | 17.810  | ug/l  | # 92     |
| 22) Diisopropyl ether        | 3.757          | 45   | 55641      | 19.259  | ug/l  | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 248819     | 96.612  | ug/l  | 96       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 31907      | 18.960  | ug/l  | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 69029      | 89.892  | ug/l  | 95       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 24173      | 18.660  | ug/l  | 94       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 19683      | 18.456  | ug/l  | 95       |
| 28) Bromochloromethane       | 4.898          | 49   | 14143      | 19.794  | ug/l  | 92       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 46021      | 91.989  | ug/l  | 96       |
| 30) Chloroform               | 5.099          | 83   | 33896      | 18.629  | ug/l  | 90       |
| 31) Cyclohexane              | 5.471          | 56   | 25405      | 17.807  | ug/l  | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 28339      | 18.514  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 24298      | 18.674  | ug/l  | 97       |
| 37) Ethyl Acetate            | 4.709          | 43   | 26622      | 18.388  | ug/l  | 98       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 22796      | 18.427  | ug/l  | 93       |
| 39) Methylcyclohexane        | 7.379          | 83   | 27941      | 18.478  | ug/l  | 93       |
| 40) Benzene                  | 6.038          | 78   | 69862      | 19.200  | ug/l  | 97       |

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 Sample : VX0215WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0215WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/16/2024  
 Supervised By : Mahesh Dadoda 02/16/2024

Quant Time: Feb 16 00:47:01 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   | 14754    | 19.223  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 27186    | 19.115  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 42222    | 18.682  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 19251    | 19.181  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 18364    | 19.391  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 14311    | 20.518  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 25854    | 19.237  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 20942    | 18.109  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 9439     | 375.194 | ug/l # | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 147123   | 95.347  | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 45052    | 18.903  | ug/l   | 92       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 26685    | 17.832  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 29396    | 19.517  | ug/l   | 89       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 19926    | 19.602  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 29556    | 19.422  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 31956    | 19.260  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 60263    | 83.712  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43   | 116738   | 95.422  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 20446    | 19.742  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 21123    | 19.549  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.269  | 164  | 16116    | 18.305  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.080 | 112  | 49991    | 19.066  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 17884    | 19.694  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 91019    | 19.491  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 69664    | 39.499  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 34105    | 19.899  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 56544    | 19.844  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 14971    | 18.816  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.964 | 105  | 89308    | 18.972  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 39184    | 19.419  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 33064    | 19.550  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 27460m   | 20.289  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 22189    | 19.957  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 109687   | 19.246  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 64945    | 18.871  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 77024    | 19.435  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 7860     | 18.700  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 76830    | 18.842  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 73746    | 18.980  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 76116    | 18.984  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 97198    | 19.465  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 79249    | 19.361  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 42698    | 19.382  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 45012    | 19.296  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 74703    | 18.907  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 12452    | 19.287  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 41367    | 19.398  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7445     | 19.073  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 27077    | 18.546  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11003    | 18.883  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 85389    | 18.517  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 27525    | 19.778  | ug/l   | 98       |

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ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0215WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/16/2024  
Supervised By :Mahesh Dadoda 02/16/2024

Quant Time: Feb 16 00:47:01 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) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

