

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032223\  
 Data File : VX034667.D  
 Acq On : 22 Mar 2023 12:48  
 Operator : JC/MD  
 Sample : VX0322WBS03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0322WBS03

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/23/2023  
 Supervised By :Semsettin Yesilyurt 03/23/2023

Quant Time: Mar 23 07:53:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 226830              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 413483              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 382079              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 185217              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 191136              | 57.921  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 115.840% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 142774              | 52.298  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.600% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 498380              | 48.902  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 97.800%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 199193              | 48.389  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 96.780%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 37962               | 17.952  | ug/l   | 99       |
| 3) Chloromethane             | 1.307          | 50   | 66478               | 19.964  | ug/l   | 94       |
| 4) Vinyl Chloride            | 1.374          | 62   | 56511               | 19.626  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 36186               | 24.908  | ug/l   | 95       |
| 6) Chloroethane              | 1.679          | 64   | 39228               | 23.662  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 83906               | 19.394  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 37504               | 23.746  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 40625               | 16.112  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.447          | 142  | 65720               | 19.853  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 78287               | 113.924 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 46550               | 18.746  | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 52883               | 97.278  | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 101098              | 20.082  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 177760              | 119.749 | ug/l   | 99       |
| 16) Acetone                  | 2.380          | 43   | 158487              | 101.958 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.508          | 76   | 114968              | 16.452  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 130507              | 25.695  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 204524              | 23.004  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 64488               | 21.376  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 55533               | 21.058  | ug/l   | 99       |
| 22) Diisopropyl ether        | 3.757          | 45   | 219369              | 22.855  | ug/l   | 100      |
| 23) Vinyl Acetate            | 3.721          | 43   | 811389              | 111.072 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 111097              | 21.532  | ug/l   | 100      |
| 25) 2-Butanone               | 4.550          | 43   | 254459              | 114.406 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 79845               | 17.803  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 67632               | 21.304  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.897          | 49   | 58972               | 24.581  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 165044              | 120.256 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 114048              | 22.549  | ug/l   | 95       |
| 31) Cyclohexane              | 5.471          | 56   | 75142               | 16.236  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 89018               | 19.882  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 73361               | 17.496  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 97546               | 21.294  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 68425               | 16.403  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 66968               | 13.346  | ug/l   | 94       |
| 40) Benzene                  | 6.037          | 78   | 246088              | 20.062  | ug/l   | 98       |

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 Sample : VX0322WBS03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0322WBS03

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 03/23/2023  
 Supervised By :Semsettin Yesilyurt 03/23/2023

Quant Time: Mar 23 07:53:09 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Mar 13 10:29:32 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 54183    | 21.583  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 98729    | 21.900  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 164017   | 21.135  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 58111    | 18.233  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 65409    | 20.422  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 45712    | 20.993  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 82599    | 19.600  | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.696  | 41   | 80998    | 21.702  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 37656    | 480.353 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 512082   | 113.750 | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 151180   | 19.907  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 90614    | 19.086  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 99959    | 19.460  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 65090    | 21.597  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 103247   | 20.864  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 114295   | 21.337  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 241510   | 94.701  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 389567   | 111.945 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 60222    | 19.052  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 68638    | 21.104  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 45962    | 17.908  | ug/l   | 99       |
| 65) Chlorobenzene             | 10.079 | 112  | 164626   | 19.638  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 58143    | 19.043  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.195 | 91   | 285745   | 19.040  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 215791   | 37.431  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 110297   | 19.064  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 183773   | 19.688  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 41687    | 17.737  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 264919   | 18.506  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 145500   | 21.221  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 103480   | 21.663  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 86076m   | 20.240  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 71047    | 20.686  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 302965   | 18.326  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 198159   | 19.408  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 226312   | 18.848  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 26127    | 16.620  | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 229718   | 19.533  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 212703   | 17.570  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 232468   | 18.944  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 244923   | 16.549  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 204301   | 16.425  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 127924   | 19.010  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 131030   | 19.257  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 169792   | 15.355  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 33703    | 14.643  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 131451   | 20.213  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 20900    | 19.257  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 71984    | 17.700  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 23050    | 14.069  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 275075   | 20.171  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 72350    | 18.200  | ug/l   | 99       |

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Sample : VX0322WBS03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0322WBS03

Manual Integrations  
APPROVED

Reviewed By :Krupa Patel 03/23/2023  
Supervised By :Semsettin Yesilyurt 03/23/2023

Quant Time: Mar 23 07:53:09 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031023W.M  
Quant Title : SW846 8260  
QLast Update : Mon Mar 13 10:29:32 2023  
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

