

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX111723\  
 Data File : VX038914.D  
 Acq On : 18 Nov 2023 07:03  
 Operator : JC/MD  
 Sample : 05404-13MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE134D1-20231109MS

Quant Time: Nov 20 00:34:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/20/2023  
 Supervised By : Mahesh Dadoda 11/20/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.549          | 168  | 126151              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 242790              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 228012              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 115087              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 103964              | 51.145  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 102.300% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 84024               | 47.918  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 95.840%  |         |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 313614              | 46.746  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 93.500%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 124329              | 46.294  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 92.580%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 76215               | 51.778  | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 88041               | 45.826  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.373          | 62   | 90300               | 48.794  | ug/l   | 99       |
| 5) Bromomethane              | 1.599          | 94   | 43449               | 56.784  | ug/l   | 100      |
| 6) Chloroethane              | 1.678          | 64   | 54635               | 51.732  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.885          | 101  | 122532              | 52.177  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.135          | 74   | 50403               | 49.278  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.324          | 101  | 72585               | 46.607  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.452          | 142  | 87674               | 46.253  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.965          | 59   | 161374              | 285.433 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.318          | 96   | 73473               | 46.729  | ug/l   | 89       |
| 13) Acrolein                 | 2.233          | 56   | 80412               | 268.834 | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 146337              | 46.486  | ug/l   | 93       |
| 15) Acrylonitrile            | 3.062          | 53   | 308998              | 258.659 | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 265619              | 245.466 | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.507          | 76   | 202849              | 41.649  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.702          | 43   | 237010              | 46.112  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 280585              | 50.737  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 88587               | 45.414  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 80957               | 46.664  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.763          | 45   | 288366              | 49.933  | ug/l # | 82       |
| 23) Vinyl Acetate            | 3.721          | 43   | 900001              | 216.386 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 159168              | 49.286  | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 449346              | 256.071 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.476          | 77   | 90967               | 32.473  | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 97482               | 48.205  | ug/l   | 93       |
| 28) Bromochloromethane       | 4.897          | 49   | 79377               | 51.193  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.001          | 42   | 296612              | 266.215 | ug/l   | 97       |
| 30) Chloroform               | 5.092          | 83   | 161128              | 51.095  | ug/l   | 95       |
| 31) Cyclohexane              | 5.470          | 56   | 136848              | 47.153  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 138610              | 50.746  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 115475              | 45.948  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.714          | 43   | 143604              | 43.859  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.677          | 117  | 116641              | 50.217  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.378          | 83   | 139466              | 42.544  | ug/l   | 96       |
| 40) Benzene                  | 6.037          | 78   | 347418              | 46.739  | ug/l   | 99       |

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 ClientSampleId :  
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Quant Time: Nov 20 00:34:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X111623W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 16 22:59:22 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/20/2023  
 Supervised By :Mahesh Dadoda 11/20/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 84815    | 49.945   | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 124708   | 50.638   | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 239881   | 45.842   | ug/l   | 98       |
| 44) Trichloroethene           | 7.122  | 130  | 92682    | 51.226   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 95413    | 47.699   | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 66157    | 49.594   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.823  | 83   | 127385   | 48.113   | ug/l   | 95       |
| 48) Methyl methacrylate       | 7.689  | 41   | 121157   | 47.721   | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 57758    | 1175.909 | ug/l # | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 850104   | 254.217  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 218211   | 47.307   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 140328   | 44.600   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 145436   | 44.750   | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 92310    | 47.962   | ug/l   | 93       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 159302   | 48.919   | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 154641   | 48.582   | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 686999   | 256.313  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 97185    | 49.661   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 98702    | 48.872   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.274  | 164  | 63831    | 45.038   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 229477   | 46.721   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.164 | 131  | 85334    | 48.299   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 425631   | 47.167   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 323997   | 94.915   | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 160479   | 47.512   | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 266694   | 46.753   | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 72295    | 49.084   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 415922   | 46.384   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 195205   | 41.182   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 162895   | 46.537   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 154004m  | 53.634   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 93468    | 46.390   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 503049   | 45.577   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.365 | 91   | 294785   | 45.004   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 352564   | 46.762   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 49229    | 38.028   | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 346202   | 45.838   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 353989   | 47.673   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 349170   | 45.756   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 441637   | 45.470   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 355234   | 45.561   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 180367   | 45.714   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 183530   | 45.448   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 337858   | 42.949   | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 71669    | 46.030   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 178079   | 47.586   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.944 | 75   | 41774    | 48.710   | ug/l   | 91       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 110558   | 44.087   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36593    | 41.206   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 429832   | 46.022   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 110418   | 46.449   | ug/l   | 100      |

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Quant Title : SW846 8260  
QLast Update : Thu Nov 16 22:59:22 2023  
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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