

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091523\  
 Data File : VX037754.D  
 Acq On : 15 Sep 2023 14:51  
 Operator : JC/MD  
 Sample : VX0915WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0915WBSD01

Quant Time: Sep 16 05:44:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 09/18/2023  
 Supervised By : Mahesh Dadoda 09/18/2023

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 239796              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 387545              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 367264              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 190202              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 165351              | 52.483  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 104.960% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 136401              | 52.602  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 105.200% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 509037              | 52.833  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 105.660% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 188686              | 53.893  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 107.780% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 46852               | 18.537  | ug/l   | 98       |
| 3) Chloromethane             | 1.301          | 50   | 48624               | 17.681  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 52755               | 17.782  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 40886               | 19.250  | ug/l   | 100      |
| 6) Chloroethane              | 1.685          | 64   | 36200               | 17.711  | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 90133               | 18.897  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 34616               | 18.732  | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 45886               | 18.956  | ug/l   | 97       |
| 10) Methyl Iodide            | 2.453          | 142  | 58918               | 18.392  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 2.953          | 59   | 69150               | 102.254 | ug/l # | 92       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 42139               | 18.013  | ug/l   | 89       |
| 13) Acrolein                 | 2.233          | 56   | 60481               | 90.529  | ug/l   | 100      |
| 14) Allyl chloride           | 2.666          | 41   | 70043               | 17.977  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.062          | 53   | 145554              | 96.806  | ug/l   | 100      |
| 16) Acetone                  | 2.380          | 43   | 131331              | 86.652  | ug/l   | 91       |
| 17) Carbon Disulfide         | 2.514          | 76   | 102880              | 17.540  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 104663              | 19.143  | ug/l   | 93       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 162903              | 18.929  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 56760               | 20.242  | ug/l   | 89       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 47665               | 18.349  | ug/l   | 87       |
| 22) Diisopropyl ether        | 3.764          | 45   | 151586              | 18.677  | ug/l # | 87       |
| 23) Vinyl Acetate            | 3.721          | 43   | 578504              | 96.906  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 87685               | 18.029  | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 204072              | 95.416  | ug/l # | 90       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 69158               | 17.598  | ug/l   | 94       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 58766               | 18.453  | ug/l   | 90       |
| 28) Bromochloromethane       | 4.898          | 49   | 43012               | 18.957  | ug/l # | 82       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 126502              | 95.089  | ug/l   | 88       |
| 30) Chloroform               | 5.093          | 83   | 94554               | 18.048  | ug/l   | 97       |
| 31) Cyclohexane              | 5.471          | 56   | 76179               | 18.839  | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 82143               | 18.517  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 66608               | 18.647  | ug/l   | 96       |
| 37) Ethyl Acetate            | 4.715          | 43   | 78174               | 19.907  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 69896               | 18.701  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 88402               | 19.499  | ug/l   | 93       |
| 40) Benzene                  | 6.038          | 78   | 204100              | 18.580  | ug/l   | 99       |

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 Operator : JC/MD  
 Sample : VX0915WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0915WBSD01

Quant Time: Sep 16 05:44:10 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 16 04:55:44 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 09/18/2023  
 Supervised By : Mahesh Dadoda 09/18/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 38417    | 19.186  | ug/l # | 85       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 77072    | 19.413  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 121614   | 19.367  | ug/l   | 96       |
| 44) Trichloroethene           | 7.129  | 130  | 53618    | 17.527  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 53138    | 18.627  | ug/l   | 100      |
| 46) Dibromomethane            | 7.586  | 93   | 39629    | 19.312  | ug/l   | 92       |
| 47) Bromodichloromethane      | 7.824  | 83   | 70562    | 18.671  | ug/l   | 94       |
| 48) Methyl methacrylate       | 7.696  | 41   | 58602    | 19.522  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31990    | 406.501 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 402127   | 100.936 | ug/l   | 95       |
| 52) Toluene                   | 8.720  | 92   | 133596   | 18.871  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 75486    | 19.102  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 81609    | 18.660  | ug/l   | 91       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 57489    | 19.261  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 86965    | 19.517  | ug/l   | 92       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 93263    | 19.309  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 196282   | 94.335  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 311191   | 100.322 | ug/l   | 94       |
| 60) Dibromochloromethane      | 9.519  | 129  | 56500    | 19.002  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 62205    | 19.684  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 47293    | 18.882  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 145362   | 18.349  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 53720    | 19.135  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 258995   | 18.857  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 202470   | 38.150  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 100718   | 18.925  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 163779   | 19.169  | ug/l   | 96       |
| 71) Bromoform                 | 10.799 | 173  | 41549    | 18.735  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 264954   | 18.987  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 112475   | 19.903  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 96964    | 19.758  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 85651m   | 19.470  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 65322    | 18.913  | ug/l   | 88       |
| 78) n-propylbenzene           | 11.305 | 91   | 306250   | 19.433  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 182012   | 18.732  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 225438   | 19.130  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 24378    | 17.751  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 208778   | 19.085  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 224741   | 18.870  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 227138   | 19.372  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 281023   | 19.449  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 233902   | 19.430  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 124159   | 19.285  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 123153   | 18.693  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 202925   | 19.242  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 38038    | 18.649  | ug/l   | 90       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 123864   | 18.843  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 18837    | 19.256  | ug/l   | 76       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 75498    | 19.498  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 34805    | 19.249  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 257471   | 19.662  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 76231    | 19.131  | ug/l   | 98       |

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Sample : VX0915WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0915WBSD01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 09/18/2023  
Supervised By :Mahesh Dadoda 09/18/2023

Quant Time: Sep 16 05:44:10 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091523W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 16 04:55:44 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

