

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043954.D  
 Acq On : 22 Nov 2024 13:02  
 Operator : JC/MD  
 Sample : VX1122WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 109076              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 195872              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 171011              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 79397               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 100196              | 53.557  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 107.120% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 72137               | 51.541  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 103.080% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 250635              | 51.950  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 103.900% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 86479               | 52.669  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 105.340% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 27785               | 20.108  | ug/l   | 96       |
| 3) Chloromethane             | 1.294          | 50   | 29728               | 20.444  | ug/l   | 96       |
| 4) Vinyl Chloride            | 1.374          | 62   | 31592               | 20.426  | ug/l   | 97       |
| 5) Bromomethane              | 1.599          | 94   | 20295               | 21.330  | ug/l   | 99       |
| 6) Chloroethane              | 1.666          | 64   | 21360               | 22.665  | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 60353               | 21.826  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 21147               | 20.982  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 27774               | 21.057  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 32944               | 19.998  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 29700               | 98.905  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 24194               | 19.249  | ug/l   | 86       |
| 13) Acrolein                 | 2.233          | 56   | 33008               | 104.286 | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 42147               | 20.522  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 79030               | 107.997 | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 86367               | 100.513 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.501          | 76   | 43889               | 16.929  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 43057               | 21.518  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 98693               | 21.626  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 29543               | 20.260  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 26401               | 20.345  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.763          | 45   | 94170               | 21.444  | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.721          | 43   | 408506              | 108.742 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 52345               | 20.662  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 119728              | 107.988 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 46118               | 20.157  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 32647               | 20.353  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 22133               | 19.848  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 74565               | 109.701 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 58065               | 21.310  | ug/l   | 97       |
| 31) Cyclohexane              | 5.458          | 56   | 43641               | 20.930  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 48619               | 20.691  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 35764               | 20.506  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 47085               | 21.749  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 39037               | 19.920  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.373          | 83   | 46390               | 20.474  | ug/l   | 92       |
| 40) Benzene                  | 6.031          | 78   | 112619              | 20.730  | ug/l   | 96       |

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 Sample : VX1122WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

Manual Integrations  
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Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 22859    | 20.630  | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 46195    | 21.172  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 74632    | 21.661  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 26781    | 17.414  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 28429    | 21.366  | ug/l   | 93       |
| 46) Dibromomethane            | 7.580  | 93   | 22603    | 21.475  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 38744    | 20.524  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 34130    | 20.644  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10534    | 357.698 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 236829   | 112.638 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 69441    | 21.356  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 39050    | 20.285  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 43430    | 20.580  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 27781    | 20.697  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 44109    | 21.098  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 49838    | 22.042  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 112089   | 97.143  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 174736   | 110.568 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 25683    | 19.071  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 29772    | 21.936  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 23366    | 20.722  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 74928    | 19.949  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 24536    | 20.143  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.189 | 91   | 130020   | 20.429  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 97028    | 40.881  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 48479    | 20.920  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 78583    | 20.503  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 14931    | 17.533  | ug/l # | 95       |
| 73) Isopropylbenzene          | 10.963 | 105  | 125832   | 20.617  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 58504    | 20.692  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 45786    | 21.909  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 37193m   | 21.361  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 29411    | 20.201  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 141102   | 20.700  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 92095    | 21.366  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 105010   | 20.914  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10352    | 16.224  | ug/l # | 78       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 102553   | 21.075  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 104939   | 21.086  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 107681   | 21.541  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 124001   | 20.336  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 105513   | 21.303  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 53195    | 20.061  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 54275    | 20.076  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 89016    | 20.384  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15072    | 17.895  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 55361    | 20.688  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8390     | 20.036  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 29761    | 18.864  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11821    | 18.958  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 117216   | 20.640  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30581    | 19.151  | ug/l   | 94       |

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ALS Vial : 6 Sample Multiplier: 1

Instrument :  
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Manual Integrations  
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Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
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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