

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011924\  
 Data File : VX039855.D  
 Acq On : 19 Jan 2024 22:01  
 Operator : JC/MD  
 Sample : VX0119WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0119WBS02

Quant Time: Jan 20 03:25:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/22/2024  
 Supervised By : Mahesh Dadoda 01/22/2024

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 74073               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 133372              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 123363              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 60618               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 68602               | 55.287  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 110.580% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 49872               | 55.517  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 111.040% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 171995              | 50.765  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 101.540% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 67857               | 51.217  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 102.440% |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 15118               | 15.774  | ug/l   | 95       |
| 3) Chloromethane             | 1.294          | 50   | 19856               | 18.142  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 18946               | 18.342  | ug/l   | 99       |
| 5) Bromomethane              | 1.605          | 94   | 12951               | 21.974  | ug/l   | 98       |
| 6) Chloroethane              | 1.691          | 64   | 12825               | 21.841  | ug/l   | 93       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 27755               | 18.627  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 11864               | 21.545  | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 16185               | 17.520  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 19644               | 20.157  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 2.946          | 59   | 32085               | 99.334  | ug/l # | 93       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 17287               | 19.390  | ug/l   | 95       |
| 13) Acrolein                 | 2.233          | 56   | 17677               | 78.503  | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 33655               | 19.180  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.062          | 53   | 73905               | 110.768 | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 68419               | 98.045  | ug/l   | 92       |
| 17) Carbon Disulfide         | 2.514          | 76   | 44966               | 17.548  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.696          | 43   | 33999               | 23.288  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 67429               | 21.304  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.788          | 84   | 22207               | 21.038  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 19511               | 20.796  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757          | 45   | 70829               | 21.152  | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.721          | 43   | 331392              | 106.466 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 37917               | 20.583  | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 105513              | 105.215 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 25300               | 17.112  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 22770               | 21.161  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 20662               | 24.744  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 4.995          | 42   | 70301               | 108.914 | ug/l   | 100      |
| 30) Chloroform               | 5.092          | 83   | 40284               | 22.152  | ug/l   | 97       |
| 31) Cyclohexane              | 5.470          | 56   | 28107               | 17.164  | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 30091               | 19.328  | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 25667               | 18.356  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 36818               | 19.737  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 23546               | 18.386  | ug/l   | 90       |
| 39) Methylcyclohexane        | 7.379          | 83   | 27889               | 16.610  | ug/l   | 97       |
| 40) Benzene                  | 6.037          | 78   | 81122               | 20.488  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011924\  
 Data File : VX039855.D  
 Acq On : 19 Jan 2024 22:01  
 Operator : JC/MD  
 Sample : VX0119WBS02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0119WBS02

Quant Time: Jan 20 03:25:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Jan 11 03:51:26 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/22/2024  
 Supervised By : Mahesh Dadoda 01/22/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 20107    | 22.042  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 33985    | 22.577  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 57837    | 21.136  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 20119    | 20.734  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.433  | 63   | 22305    | 21.000  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 16651    | 22.697  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 29954    | 22.046  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 28552    | 21.227  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 11617    | 446.354 | ug/l # | 93       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 209515   | 111.170 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 47715    | 20.176  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 29883    | 20.727  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 32916    | 20.763  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 22382    | 22.229  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 35297    | 21.660  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 37166    | 21.781  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 76903    | 99.838  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.427  | 43   | 165999   | 111.291 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.518  | 129  | 21152    | 22.276  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 23424    | 22.465  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 15795    | 19.689  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 51495    | 20.042  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 18662    | 21.331  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 91200    | 19.119  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 66532    | 37.925  | ug/l   | 93       |
| 69) o-Xylene                  | 10.640 | 106  | 33315    | 19.176  | ug/l   | 96       |
| 70) Styrene                   | 10.652 | 104  | 56247    | 19.819  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 14834    | 22.580  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 84588    | 17.527  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 48744    | 19.376  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 38547    | 20.916  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 32551m   | 20.712  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 21014    | 19.556  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 101854   | 17.437  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 63164    | 17.496  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 74021    | 18.059  | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 7860     | 16.676  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 72679    | 17.748  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 69193    | 17.681  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 74088    | 18.117  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 87551    | 17.235  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 71384    | 17.582  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 38789    | 18.831  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 40299    | 18.942  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 65939    | 16.815  | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 11511    | 16.806  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 39570    | 19.431  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 8858     | 19.615  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 23924    | 19.224  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 8801     | 17.013  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 87271    | 19.049  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 23701    | 18.871  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011924\  
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Operator : JC/MD  
Sample : VX0119WBS02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0119WBS02

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/22/2024  
Supervised By :Mahesh Dadoda 01/22/2024

Quant Time: Jan 20 03:25:56 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Jan 11 03:51:26 2024  
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

