

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112522\  
 Data File : VX033058.D  
 Acq On : 25 Nov 2022 11:15  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/28/2022  
 Supervised By : Mahesh Dadoda 11/28/2022

Quant Time: Nov 28 00:39:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 137595              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 214548              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 197289              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 102676              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 68120               | 50.710  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 101.420% |         |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 60027               | 49.628  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 99.260%  |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 183303              | 50.384  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 100.760% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 82428               | 51.879  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 103.760% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 53025               | 50.442  | ug/l   | 97       |
| 3) Chloromethane             | 1.295          | 50   | 55076               | 48.532  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 65498               | 51.835  | ug/l   | 98       |
| 5) Bromomethane              | 1.618          | 94   | 47322               | 50.504  | ug/l   | 97       |
| 6) Chloroethane              | 1.691          | 64   | 54507               | 52.987  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 133943              | 54.617  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 43111               | 55.836  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 73780               | 57.238  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 57904               | 39.241  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.014          | 59   | 56443m              | 265.725 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 67185               | 55.953  | ug/l   | 99       |
| 13) Acrolein                 | 2.239          | 56   | 59521               | 243.952 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 109384              | 56.426  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.069          | 53   | 166935              | 277.855 | ug/l   | 99       |
| 16) Acetone                  | 2.392          | 43   | 198745              | 317.590 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.514          | 76   | 170352              | 51.351  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 97968               | 56.554  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 240661              | 57.792  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788          | 84   | 73292               | 56.454  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 74140               | 53.978  | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.757          | 45   | 240665              | 57.015  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.721          | 43   | 956738              | 289.555 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 135277              | 56.004  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 256578              | 297.339 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 116876              | 60.177  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 87534               | 56.091  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 58266               | 54.897  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 153426              | 280.203 | ug/l   | 99       |
| 30) Chloroform               | 5.087          | 83   | 152002              | 56.185  | ug/l   | 100      |
| 31) Cyclohexane              | 5.471          | 56   | 119762              | 55.160  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 140667              | 58.060  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 109515              | 56.626  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.709          | 43   | 97282               | 57.655  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 124429              | 57.996  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 127591              | 57.820  | ug/l   | 98       |
| 40) Benzene                  | 6.038          | 78   | 304986              | 56.244  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112522\  
 Data File : VX033058.D  
 Acq On : 25 Nov 2022 11:15  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 28 00:39:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 22 13:58:46 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/28/2022  
 Supervised By : Mahesh Dadoda 11/28/2022

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 54561    | 57.468   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 124049   | 56.817   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 164679   | 59.014   | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 85170    | 55.974   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 76683    | 57.223   | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 58257    | 55.715   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 118249   | 58.525   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 82932    | 57.737   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.708  | 88   | 31911    | 1206.900 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 503389   | 292.343  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 202292   | 56.704   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 125374   | 57.516   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 132961   | 61.043   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 81957    | 56.427   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 121694   | 60.811   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 134172   | 57.222   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 271542   | 285.747  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 392860   | 308.851  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 95961    | 61.366   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 88512    | 57.736   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 74385    | 53.266   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 221606   | 56.340   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 85994    | 59.667   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 402978   | 57.755   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 318494   | 116.567  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 153082   | 57.905   | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 257313   | 59.494   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 69411    | 62.814   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 417021   | 56.837   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 149907   | 60.061   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 124110   | 56.045   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 100926m  | 51.903   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 99685    | 55.244   | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 483986   | 57.694   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 286639   | 56.259   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 361940   | 58.721   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 38187    | 63.833   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 339695   | 56.894   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 348876   | 56.863   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 354244   | 57.639   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 431117   | 58.733   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 368426   | 59.242   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 191283   | 56.517   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 192830   | 55.631   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 321040   | 59.923   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 61672    | 60.360   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 185820   | 56.440   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 26837    | 60.740   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 118474   | 58.376   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 51628    | 57.661   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 386566   | 58.878   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 117474   | 57.721   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112522\  
Data File : VX033058.D  
Acq On : 25 Nov 2022 11:15  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/28/2022  
Supervised By :Mahesh Dadoda 11/28/2022

Quant Time: Nov 28 00:39:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 22 13:58:46 2022  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

-----  
(#) = qualifier out of range (m) = manual integration (+) = signals summed

