

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040523\  
 Data File : VX034940.D  
 Acq On : 05 Apr 2023 09:42  
 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 04/06/2023  
 Supervised By : Mahesh Dadoda 04/06/2023

Quant Time: Apr 06 02:08:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 299948              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 490911              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 437748              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 216845              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 229094              | 49.941  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 99.880%  |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 164770              | 50.746  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.500% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 602396              | 50.263  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 100.520% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 243633              | 52.532  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 105.060% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 159410              | 53.285  | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 179688              | 47.972  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 179288              | 48.342  | ug/l   | 99       |
| 5) Bromomethane              | 1.611          | 94   | 98586               | 40.907  | ug/l   | 97       |
| 6) Chloroethane              | 1.685          | 64   | 101172              | 41.928  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 260096              | 43.623  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 99604               | 47.386  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 155816              | 50.000  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 173473              | 44.700  | ug/l   | 91       |
| 11) Tert butyl alcohol       | 2.977          | 59   | 191264m             | 237.639 | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 144105              | 46.798  | ug/l   | 92       |
| 13) Acrolein                 | 2.233          | 56   | 205866              | 248.474 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 291808              | 48.371  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.062          | 53   | 444390              | 245.292 | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 550066              | 295.178 | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.514          | 76   | 347670              | 45.081  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 340714              | 51.459  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 552436              | 48.456  | ug/l   | 96       |
| 20) Methylene Chloride       | 2.788          | 84   | 166298              | 45.223  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 156525              | 46.608  | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757          | 45   | 586888              | 48.214  | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.715          | 43   | 2193798             | 252.705 | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 314190              | 47.973  | ug/l   | 98       |
| 25) 2-Butanone               | 4.550          | 43   | 736836              | 271.824 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 263564              | 48.936  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 185634              | 46.649  | ug/l   | 96       |
| 28) Bromochloromethane       | 4.891          | 49   | 149940              | 46.801  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 421543              | 248.237 | ug/l   | 98       |
| 30) Chloroform               | 5.086          | 83   | 324999              | 48.856  | ug/l   | 99       |
| 31) Cyclohexane              | 5.471          | 56   | 270043              | 48.345  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 285814              | 50.349  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 239495              | 49.786  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 258474              | 51.387  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 247377              | 54.544  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379          | 83   | 255515              | 50.020  | ug/l   | 96       |
| 40) Benzene                  | 6.031          | 78   | 671365              | 48.618  | ug/l   | 99       |

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 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050

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Quant Time: Apr 06 02:08:29 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|------|----------|----------|-------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 145815   | 53.305   | ug/l  | 98       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 279448   | 50.901   | ug/l  | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 430572   | 51.166   | ug/l  | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 171143   | 48.551   | ug/l  | 97       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 178232   | 49.531   | ug/l  | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 122430   | 49.449   | ug/l  | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 246126   | 53.818   | ug/l  | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 219152   | 53.029   | ug/l  | 98       |
| 49) 1,4-Dioxane               | 7.690  | 88   | 86741    | 1018.476 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1302693  | 261.563  | ug/l  | 99       |
| 52) Toluene                   | 8.714  | 92   | 428041   | 47.540   | ug/l  | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 267154   | 54.301   | ug/l  | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 289019   | 53.680   | ug/l  | 100      |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 171297   | 50.267   | ug/l  | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 278712   | 52.201   | ug/l  | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 301342   | 49.933   | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 715532   | 263.202  | ug/l  | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 1054276  | 279.873  | ug/l  | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 179925   | 55.427   | ug/l  | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 180091   | 50.823   | ug/l  | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 150477   | 48.034   | ug/l  | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 451090   | 49.528   | ug/l  | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 167820   | 53.585   | ug/l  | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 836127   | 50.676   | ug/l  | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 629289   | 99.846   | ug/l  | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 310844   | 50.345   | ug/l  | 99       |
| 70) Styrene                   | 10.653 | 104  | 518299   | 52.586   | ug/l  | 99       |
| 71) Bromoform                 | 10.799 | 173  | 122696   | 57.602   | ug/l  | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 810668   | 51.037   | ug/l  | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 376444   | 52.711   | ug/l  | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 259857   | 49.915   | ug/l  | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 225364m  | 51.579   | ug/l  |          |
| 77) Bromobenzene              | 11.195 | 156  | 191249   | 48.593   | ug/l  | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 939283   | 51.189   | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 584343   | 50.438   | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 684118   | 51.512   | ug/l  | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 76724    | 52.626   | ug/l  | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 679796   | 50.529   | ug/l  | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 645513   | 51.761   | ug/l  | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 690502   | 51.127   | ug/l  | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 788179   | 51.950   | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 677487   | 53.552   | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 364277   | 50.823   | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 368731   | 49.255   | ug/l  | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 584991   | 52.925   | ug/l  | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 112752   | 57.524   | ug/l  | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 357363   | 49.782   | ug/l  | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 60784    | 55.937   | ug/l  | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 218316   | 53.771   | ug/l  | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 89758    | 50.264   | ug/l  | 98       |
| 95) Naphthalene               | 13.774 | 128  | 763508   | 52.924   | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 213433   | 52.128   | ug/l  | 99       |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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