

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX012022\  
 Data File : VX026535.D  
 Acq On : 20 Jan 2022 18:58  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/21/2022  
 Supervised By : Mahesh Dadoda 01/21/2022

Quant Time: Jan 21 04:07:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 104677     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769          | 114  | 170776     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 147587     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 66934      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 68731      | 47.003  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 94.000% |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 53245      | 48.281  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 96.560% |        |          |
| 50) Toluene-d8               | 8.653          | 98   | 194485     | 48.938  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 97.880% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 69258      | 49.058  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 98.120% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.173          | 85   | 54410      | 44.019  | ug/l   | 100      |
| 3) Chloromethane             | 1.294          | 50   | 51959      | 45.855  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 55856      | 46.950  | ug/l   | 98       |
| 5) Bromomethane              | 1.618          | 94   | 24483      | 44.612  | ug/l   | 99       |
| 6) Chloroethane              | 1.691          | 64   | 31541      | 52.429  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.892          | 101  | 84724      | 45.107  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 31534      | 47.444  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 55623      | 48.594  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.459          | 142  | 70771      | 56.773  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 48773      | 239.769 | ug/l   | 96       |
| 12) 1,1-Dichloroethene       | 2.325          | 96   | 51802      | 47.385  | ug/l   | 96       |
| 13) Acrolein                 | 2.239          | 56   | 58134      | 268.951 | ug/l   | 97       |
| 14) Allyl chloride           | 2.666          | 41   | 96183      | 47.842  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.069          | 53   | 160690     | 256.622 | ug/l   | 100      |
| 16) Acetone                  | 2.386          | 43   | 164617     | 220.756 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.514          | 76   | 132890     | 41.636  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.709          | 43   | 75867      | 51.176  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 192193     | 48.452  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.794          | 84   | 58518      | 47.496  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.099          | 96   | 55942      | 47.269  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.764          | 45   | 200567     | 49.114  | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.727          | 43   | 852117     | 253.491 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.617          | 63   | 107406     | 48.700  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 238447     | 245.884 | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.483          | 77   | 74495      | 45.569  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.495          | 96   | 66345      | 49.119  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.904          | 49   | 46441      | 51.282  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.013          | 42   | 150412     | 261.152 | ug/l   | 100      |
| 30) Chloroform               | 5.099          | 83   | 112725     | 49.192  | ug/l   | 100      |
| 31) Cyclohexane              | 5.477          | 56   | 100634     | 46.659  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.391          | 97   | 96008      | 47.631  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.702          | 75   | 81586      | 46.863  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.721          | 43   | 91536      | 51.976  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 83035      | 46.368  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.385          | 83   | 101276     | 48.228  | ug/l   | 97       |
| 40) Benzene                  | 6.044          | 78   | 236520     | 49.152  | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Jan 21 04:07:20 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 11 14:45:13 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 01/21/2022  
 Supervised By : Mahesh Dadoda 01/21/2022

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 51150    | 51.272   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 90221    | 47.921   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 144585   | 50.824   | ug/l   | 99       |
| 44) Trichloroethene           | 7.129  | 130  | 68839    | 50.415   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 61001    | 50.786   | ug/l   | 97       |
| 46) Dibromomethane            | 7.586  | 93   | 41762    | 49.322   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.824  | 83   | 83079    | 48.561   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.696  | 41   | 72928    | 51.729   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.684  | 88   | 23336    | 1008.636 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 442121   | 262.021  | ug/l   | 99       |
| 52) Toluene                   | 8.720  | 92   | 146777   | 49.740   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 81949    | 45.004   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 93005    | 50.614   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 58119    | 50.470   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 93320    | 52.880   | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 101110   | 50.645   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 247593   | 267.561  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 330195   | 255.677  | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.525  | 129  | 59104    | 49.254   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 61068    | 50.893   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.275  | 164  | 70548    | 50.602   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 151905   | 48.876   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 56585    | 48.999   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 276526   | 48.961   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.305 | 106  | 208619   | 98.703   | ug/l   | 99       |
| 69) o-Xylene                  | 10.646 | 106  | 101156   | 49.599   | ug/l   | 99       |
| 70) Styrene                   | 10.659 | 104  | 169307   | 50.874   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 38090    | 43.403   | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.963 | 105  | 269707   | 49.158   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 108452   | 51.202   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 71378    | 48.469   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 74281m   | 50.403   | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 61213    | 48.701   | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 307642   | 49.171   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 182937   | 48.218   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 222123   | 49.107   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 20582    | 44.646   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 207762   | 47.647   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 207895   | 49.235   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 221868   | 49.041   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 274269   | 50.216   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 231056   | 50.424   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 114246   | 48.492   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 113435   | 47.569   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 196843   | 50.058   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.542 | 117  | 32758    | 43.150   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 111091   | 49.897   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 17376    | 48.820   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 70984    | 49.729   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29575    | 49.082   | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 250912   | 52.700   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 71288    | 50.783   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

Reviewed By :John Carlone 01/21/2022  
Supervised By :Mahesh Dadoda 01/21/2022

Quant Time: Jan 21 04:07:20 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X011122W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 11 14:45:13 2022  
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

