

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041922\  
 Data File : VX028148.D  
 Acq On : 19 Apr 2022 10:19  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 20 08:13:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 04/20/2022  
 Supervised By : Mahesh Dadoda 04/21/2022

04/20/2022  
 Supervised By : Mahesh  
 Dadoda

04/21/2022

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 272077   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 440366   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 446251   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 266410   | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 183090   | 51.610   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 61 - 141 | Recovery | = 103.220% |      |
| 35) Dibromofluoromethane  | 5.379  | 113   | 156841   | 50.786   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 69 - 133 | Recovery | = 101.580% |      |
| 50) Toluene-d8            | 8.647  | 98    | 614411   | 51.799   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 65 - 126 | Recovery | = 103.600% |      |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 248502   | 54.793   | ug/l       | 0.00 |
| Spiked Amount             | 50.000 | Range | 58 - 135 | Recovery | = 109.580% |      |

### Target Compounds

|                              |       |     |         |         |        | Qvalue |
|------------------------------|-------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 82754   | 47.118  | ug/l   | 98     |
| 3) Chloromethane             | 1.288 | 50  | 97220   | 55.156  | ug/l   | 99     |
| 4) Vinyl Chloride            | 1.374 | 62  | 123927  | 45.182  | ug/l   | 100    |
| 5) Bromomethane              | 1.599 | 94  | 140701  | 59.058  | ug/l   | 97     |
| 6) Chloroethane              | 1.679 | 64  | 110211  | 56.537  | ug/l   | 100    |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 305414  | 50.495  | ug/l   | 99     |
| 8) Diethyl Ether             | 2.130 | 74  | 103657  | 57.510  | ug/l   | 93     |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 109337  | 49.625  | ug/l   | 97     |
| 10) Methyl Iodide            | 2.447 | 142 | 128229  | 43.336  | ug/l   | 96     |
| 11) Tert butyl alcohol       | 2.959 | 59  | 153749  | 225.326 | ug/l   | 99     |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 100403  | 48.017  | ug/l   | 97     |
| 13) Acrolein                 | 2.233 | 56  | 75973   | 174.742 | ug/l   | 99     |
| 14) Allyl chloride           | 2.660 | 41  | 174573  | 49.756  | ug/l   | 89     |
| 15) Acrylonitrile            | 3.056 | 53  | 353815  | 244.736 | ug/l   | 99     |
| 16) Acetone                  | 2.374 | 43  | 338386  | 312.647 | ug/l   | 93     |
| 17) Carbon Disulfide         | 2.508 | 76  | 263145  | 46.732  | ug/l   | 99     |
| 18) Methyl Acetate           | 2.697 | 43  | 150024  | 47.563  | ug/l   | 96     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 455028  | 52.186  | ug/l   | 99     |
| 20) Methylene Chloride       | 2.788 | 84  | 122705  | 46.617  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 137242  | 48.262  | ug/l   | 99     |
| 22) Diisopropyl ether        | 3.758 | 45  | 435562  | 54.504  | ug/l # | 90     |
| 23) Vinyl Acetate            | 3.715 | 43  | 1939935 | 277.865 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 227785  | 48.274  | ug/l   | 99     |
| 25) 2-Butanone               | 4.550 | 43  | 579302  | 275.726 | ug/l   | 99     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 241734  | 52.470  | ug/l   | 97     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 169703  | 50.049  | ug/l   | 97     |
| 28) Bromochloromethane       | 4.898 | 49  | 103952  | 51.349  | ug/l   | 96     |
| 29) Tetrahydrofuran          | 4.995 | 42  | 344437  | 251.426 | ug/l   | 98     |
| 30) Chloroform               | 5.087 | 83  | 295979  | 52.232  | ug/l   | 99     |
| 31) Cyclohexane              | 5.471 | 56  | 230202  | 53.261  | ug/l   | 98     |
| 32) 1,1,1-Trichloroethane    | 5.385 | 97  | 274171  | 53.431  | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 211366  | 52.470  | ug/l   | 99     |
| 37) Ethyl Acetate            | 4.709 | 43  | 213509  | 52.235  | ug/l   | 98     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 245664  | 54.021  | ug/l   | 99     |
| 39) Methylcyclohexane        | 7.379 | 83  | 272035  | 53.521  | ug/l   | 98     |
| 40) Benzene                  | 6.038 | 78  | 630698  | 53.486  | ug/l   | 99     |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Apr 20 08:13:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 19 13:38:04 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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 Supervised By : Mahesh Dadoda 04/21/2022

04/20/2022  
 Supervised By : Mahesh  
 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 112496   | 53.344  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 236808   | 54.100  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 351966   | 52.908  | ug/l   | 97       |
| 44) Trichloroethene           | 7.123  | 130  | 175483   | 51.318  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 151834   | 52.604  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 119053   | 52.581  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 243555   | 55.969  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 164911   | 53.994  | ug/l   | 89       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 77321    | 946.331 | ug/l   | 94       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1121525  | 262.717 | ug/l   | 97       |
| 52) Toluene                   | 8.720  | 92   | 455372   | 55.586  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 273866   | 59.216  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 279432   | 56.265  | ug/l # | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 182654   | 54.875  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 267541   | 55.450  | ug/l # | 91       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 294798   | 54.873  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 506145   | 223.579 | ug/l   | 94       |
| 59) 2-Hexanone                | 9.427  | 43   | 907804   | 274.527 | ug/l   | 94       |
| 60) Dibromochloromethane      | 9.519  | 129  | 212708   | 58.619  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 205393   | 56.247  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 183050   | 52.515  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 508178   | 53.411  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 193660   | 54.640  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 873565   | 54.755  | ug/l   | 95       |
| 68) m/p-Xylenes               | 10.299 | 106  | 732858   | 112.866 | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 354920   | 54.824  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 600085   | 57.216  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 163279   | 49.929  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.964 | 105  | 940440   | 51.359  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 324433   | 51.261  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 292048   | 49.149  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 279705m  | 53.347  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 236382   | 49.567  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.305 | 91   | 1084292  | 53.401  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 648739   | 51.391  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 832113   | 53.534  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 95015    | 53.853  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 766806   | 52.733  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 838216   | 52.811  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 824619   | 53.370  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1043718  | 54.506  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 915765   | 55.435  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 479369   | 53.496  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 487559   | 51.820  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.335 | 91   | 759944   | 56.024  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.543 | 117  | 158740   | 53.280  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 464006   | 52.125  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 66224    | 50.113  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 279313   | 52.756  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 118267   | 50.059  | ug/l   | 94       |
| 95) Naphthalene               | 13.780 | 128  | 946013   | 53.637  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 278040   | 53.501  | ug/l   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041922\  
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Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 20 08:13:34 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041922W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 19 13:38:04 2022  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 04/20/2022  
Supervised By :Mahesh Dadoda 04/21/2022

04/20/2022  
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Dadoda

04/21/2022

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

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

