

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052022\  
 Data File : VX028865.D  
 Acq On : 20 May 2022 20:49  
 Operator : JC/MD  
 Sample : N2958-03MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT172S1-20220516MS

Quant Time: May 20 23:34:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/23/2022  
 Supervised By :Semsettin Yesilyurt 05/23/2022

| Compound                     | R.T.           | QIon | Response            | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|-------|----------|
| -----                        |                |      |                     |         |       |          |
| Internal Standards           |                |      |                     |         |       |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 270082              | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 449732              | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 409260              | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 202752              | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 194651              | 52.577  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 105.160% |         |       |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 151551              | 51.433  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 102.860% |         |       |          |
| 50) Toluene-d8               | 8.653          | 98   | 534657              | 48.128  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 96.260%  |         |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 210455              | 50.720  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 101.440% |         |       |          |
| Target Compounds             |                |      |                     |         |       |          |
|                              |                |      |                     |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 160149              | 45.285  | ug/l  | 99       |
| 3) Chloromethane             | 1.288          | 50   | 140135              | 42.076  | ug/l  | 100      |
| 4) Vinyl Chloride            | 1.374          | 62   | 152631              | 42.526  | ug/l  | 97       |
| 5) Bromomethane              | 1.605          | 94   | 111440              | 43.150  | ug/l  | 97       |
| 6) Chloroethane              | 1.678          | 64   | 100553              | 44.220  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 252094              | 44.055  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 89843               | 43.089  | ug/l  | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 140445              | 46.640  | ug/l  | 98       |
| 10) Methyl Iodide            | 2.453          | 142  | 134549              | 37.322  | ug/l  | 93       |
| 11) Tert butyl alcohol       | 3.014          | 59   | 193589m             | 246.276 | ug/l  |          |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 128756              | 46.063  | ug/l  | 99       |
| 13) Acrolein                 | 2.239          | 56   | 119586              | 196.794 | ug/l  | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 203446              | 45.380  | ug/l  | 90       |
| 15) Acrylonitrile            | 3.068          | 53   | 427250              | 239.526 | ug/l  | 99       |
| 16) Acetone                  | 2.386          | 43   | 392393              | 246.960 | ug/l  | 92       |
| 17) Carbon Disulfide         | 2.514          | 76   | 291150              | 40.181  | ug/l  | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 182813              | 45.938  | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 489162              | 49.314  | ug/l  | 99       |
| 20) Methylene Chloride       | 2.788          | 84   | 147670              | 44.300  | ug/l  | 94       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 139852              | 44.418  | ug/l  | 97       |
| 22) Diisopropyl ether        | 3.763          | 45   | 445612              | 46.512  | ug/l  | 91       |
| 23) Vinyl Acetate            | 3.727          | 43   | 1821023             | 220.486 | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 268185              | 48.151  | ug/l  | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 608505              | 243.983 | ug/l  | 97       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 181376              | 41.533  | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 169009              | 45.960  | ug/l  | 99       |
| 28) Bromochloromethane       | 4.903          | 49   | 109215              | 46.586  | ug/l  | 97       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 387333              | 238.923 | ug/l  | 94       |
| 30) Chloroform               | 5.099          | 83   | 294063              | 48.784  | ug/l  | 99       |
| 31) Cyclohexane              | 5.477          | 56   | 220595              | 42.927  | ug/l  | 96       |
| 32) 1,1,1-Trichloroethane    | 5.385          | 97   | 260017              | 49.411  | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.696          | 75   | 205383              | 46.407  | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.714          | 43   | 214986              | 46.508  | ug/l  | 97       |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 226170              | 50.780  | ug/l  | 96       |
| 39) Methylcyclohexane        | 7.385          | 83   | 231754              | 45.662  | ug/l  | 92       |
| 40) Benzene                  | 6.044          | 78   | 587635              | 46.200  | ug/l  | 98       |

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 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TT172S1-20220516MS

Quant Time: May 20 23:34:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051222W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 12 14:58:53 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 05/23/2022  
 Supervised By :Semsettin Yesilyurt 05/23/2022

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 124475   | 50.222  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.092  | 62   | 238879   | 50.916  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 339339   | 46.923  | ug/l   | 96       |
| 44) Trichloroethene           | 7.129  | 130  | 261456   | 75.793  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 147024   | 46.329  | ug/l   | 100      |
| 46) Dibromomethane            | 7.586  | 93   | 113085   | 47.717  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 223413   | 50.776  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 174106   | 49.838  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.677  | 88   | 85072    | 974.773 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 1164903  | 244.548 | ug/l   | 95       |
| 52) Toluene                   | 8.720  | 92   | 384758   | 47.024  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 221683   | 43.973  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 235646   | 47.597  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 163419   | 48.980  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 254678   | 50.407  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 270711   | 48.106  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 899169   | 242.960 | ug/l   | 92       |
| 60) Dibromochloromethane      | 9.525  | 129  | 168493   | 51.782  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 170801   | 48.741  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 148941   | 48.192  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 413801   | 47.661  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 159267   | 51.785  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 749461   | 48.160  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.305 | 106  | 575101   | 94.922  | ug/l   | 97       |
| 69) o-Xylene                  | 10.646 | 106  | 282077   | 47.288  | ug/l   | 95       |
| 70) Styrene                   | 10.659 | 104  | 472288   | 48.755  | ug/l   | 97       |
| 71) Bromoform                 | 10.805 | 173  | 116928   | 46.030  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 748019   | 48.649  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 265589   | 43.942  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 250217   | 47.436  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 230602m  | 48.566  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 178045   | 48.940  | ug/l   | 95       |
| 78) n-propylbenzene           | 11.305 | 91   | 853796   | 48.005  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 528617   | 48.493  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 639927   | 49.948  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 65278    | 41.708  | ug/l # | 83       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 611890   | 48.555  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 625629   | 50.436  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 642147   | 49.982  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 752923   | 49.207  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 642268   | 50.023  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 332733   | 46.629  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 338589   | 45.746  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.335 | 91   | 541566   | 48.682  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.542 | 117  | 104272   | 50.220  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 334044   | 47.653  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 61382    | 54.498  | ug/l   | 89       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 200401   | 49.497  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 78687    | 47.839  | ug/l   | 95       |
| 95) Naphthalene               | 13.780 | 128  | 748284   | 51.937  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 203868   | 50.134  | ug/l   | 94       |

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Quant Title : SW846 8260  
QLast Update : Thu May 12 14:58:53 2022  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Manual Integrations  
APPROVED

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Supervised By :Semsettin Yesilyurt 05/23/2022

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

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