

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX090723\  
 Data File : VX037592.D  
 Acq On : 07 Sep 2023 20:46  
 Operator : JC/MD  
 Sample : 04327-05MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 08 00:51:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John  
 Carlone

09/08/2023  
 Supervised By :Mahesh  
 Dadoda

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 109434   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 198866   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 188483   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 94652    | 50.000 | ug/l  | 0.00     |

09/08/2023  
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 Dadoda

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 86724    | 54.969   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | = 109.940% |      |
| 35) Dibromofluoromethane    | 5.391  | 113   | 80625    | 61.217   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 122.440% |      |
| 50) Toluene-d8              | 8.647  | 98    | 265566   | 55.588   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | = 111.180% |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 109125   | 58.124   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | = 116.240% |      |

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|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 55097  | 43.342  | ug/l   | 99 |
| 3) Chloromethane             | 1.307 | 50  | 59389  | 53.402  | ug/l   | 95 |
| 4) Vinyl Chloride            | 1.374 | 62  | 63993  | 52.863  | ug/l   | 99 |
| 5) Bromomethane              | 1.599 | 94  | 27125  | 44.984  | ug/l   | 99 |
| 6) Chloroethane              | 1.672 | 64  | 35022  | 49.164  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 1.880 | 101 | 94202  | 47.506  | ug/l   | 99 |
| 8) Diethyl Ether             | 2.136 | 74  | 45966  | 59.915  | ug/l   | 75 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 57984  | 50.124  | ug/l   | 96 |
| 10) Methyl Iodide            | 2.447 | 142 | 81587  | 58.029  | ug/l   | 91 |
| 11) Tert butyl alcohol       | 2.971 | 59  | 106870 | 288.768 | ug/l # | 92 |
| 12) 1,1-Dichloroethene       | 2.312 | 96  | 119716 | 106.271 | ug/l   | 81 |
| 13) Acrolein                 | 2.239 | 56  | 85505  | 303.702 | ug/l   | 97 |
| 14) Allyl chloride           | 2.660 | 41  | 91430  | 52.436  | ug/l # | 86 |
| 15) Acrylonitrile            | 3.068 | 53  | 230051 | 348.266 | ug/l   | 97 |
| 16) Acetone                  | 2.386 | 43  | 198262 | 321.225 | ug/l # | 83 |
| 17) Carbon Disulfide         | 2.508 | 76  | 115520 | 40.315  | ug/l   | 99 |
| 18) Methyl Acetate           | 2.709 | 43  | 137074 | 58.984  | ug/l # | 86 |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 256370 | 60.006  | ug/l   | 98 |
| 20) Methylene Chloride       | 2.788 | 84  | 81827  | 59.284  | ug/l # | 82 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 72516  | 56.627  | ug/l   | 85 |
| 22) Diisopropyl ether        | 3.763 | 45  | 214029 | 59.818  | ug/l # | 81 |
| 23) Vinyl Acetate            | 3.727 | 43  | 713771 | 260.322 | ug/l # | 88 |
| 24) 1,1-Dichloroethane       | 3.611 | 63  | 146059 | 65.096  | ug/l   | 96 |
| 25) 2-Butanone               | 4.562 | 43  | 300176 | 323.003 | ug/l # | 83 |
| 26) 2,2-Dichloropropane      | 4.477 | 77  | 60437  | 30.161  | ug/l   | 81 |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 152779 | 101.199 | ug/l   | 80 |
| 28) Bromochloromethane       | 4.897 | 49  | 55164  | 55.036  | ug/l # | 70 |
| 29) Tetrahydrofuran          | 5.007 | 42  | 186628 | 314.899 | ug/l # | 80 |
| 30) Chloroform               | 5.092 | 83  | 148871 | 59.105  | ug/l   | 99 |
| 31) Cyclohexane              | 5.470 | 56  | 83860  | 47.272  | ug/l   | 85 |
| 32) 1,1,1-Trichloroethane    | 5.385 | 97  | 122945 | 54.470  | ug/l   | 95 |
| 36) 1,1-Dichloropropene      | 5.696 | 75  | 87947  | 47.001  | ug/l   | 95 |
| 37) Ethyl Acetate            | 4.721 | 43  | 98194  | 51.373  | ug/l # | 92 |
| 38) Carbon Tetrachloride     | 5.678 | 117 | 100989 | 49.685  | ug/l   | 99 |
| 39) Methylcyclohexane        | 7.379 | 83  | 96223  | 48.945  | ug/l   | 89 |
| 40) Benzene                  | 6.037 | 78  | 303786 | 56.608  | ug/l   | 97 |

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 ALS Vial : 24 Sample Multiplier: 1

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 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 08 00:51:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 18 09:30:38 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :John  
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09/08/2023  
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 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc     | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|----------|-------|----------|-----|
| 41) Methacrylonitrile         | 4.928  | 41   | 58902    | 59.279   | ug/l  | #        | 85  |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 117126   | 55.655   | ug/l  |          | 92  |
| 43) Isopropyl Acetate         | 6.342  | 43   | 162839   | 53.661   | ug/l  | #        | 89  |
| 44) Trichloroethene           | 7.129  | 130  | 284660   | 187.067  | ug/l  |          | 96  |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 79466    | 60.055   | ug/l  |          | 97  |
| 46) Dibromomethane            | 7.580  | 93   | 60653    | 58.186   | ug/l  |          | 93  |
| 47) Bromodichloromethane      | 7.824  | 83   | 114327   | 57.261   | ug/l  |          | 97  |
| 48) Methyl methacrylate       | 7.696  | 41   | 83455    | 56.392   | ug/l  | #        | 77  |
| 49) 1,4-Dioxane               | 7.665  | 88   | 48378    | 1213.809 | ug/l  | #        | 88  |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 568712   | 308.633  | ug/l  | #        | 87  |
| 52) Toluene                   | 8.720  | 92   | 197791   | 55.783   | ug/l  |          | 98  |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 110606   | 52.028   | ug/l  |          | 100 |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 120304   | 52.367   | ug/l  | #        | 82  |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 92607    | 64.140   | ug/l  |          | 98  |
| 56) Ethyl methacrylate        | 9.116  | 69   | 137943   | 60.996   | ug/l  | #        | 79  |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 149047   | 61.237   | ug/l  |          | 99  |
| 59) 2-Hexanone                | 9.433  | 43   | 433055   | 308.224  | ug/l  |          | 83  |
| 60) Dibromochloromethane      | 9.525  | 129  | 95369    | 62.040   | ug/l  |          | 100 |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 94403    | 59.719   | ug/l  |          | 99  |
| 64) Tetrachloroethene         | 9.275  | 164  | 60760    | 44.189   | ug/l  |          | 99  |
| 65) Chlorobenzene             | 10.079 | 112  | 220823   | 55.432   | ug/l  |          | 99  |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 89495    | 60.870   | ug/l  |          | 100 |
| 67) Ethyl Benzene             | 10.195 | 91   | 376842   | 53.760   | ug/l  |          | 99  |
| 68) m/p-Xylenes               | 10.305 | 106  | 293847   | 108.552  | ug/l  |          | 96  |
| 69) o-Xylene                  | 10.640 | 106  | 148792   | 55.712   | ug/l  |          | 98  |
| 70) Styrene                   | 10.659 | 104  | 252944   | 57.496   | ug/l  |          | 95  |
| 71) Bromoform                 | 10.799 | 173  | 68534    | 62.316   | ug/l  | #        | 100 |
| 73) Isopropylbenzene          | 10.963 | 105  | 382904   | 55.656   | ug/l  |          | 98  |
| 74) N-amyl acetate            | 10.841 | 43   | 133127   | 49.800   | ug/l  | #        | 86  |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 146187   | 63.095   | ug/l  |          | 98  |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 113690m  | 56.400   | ug/l  |          |     |
| 77) Bromobenzene              | 11.201 | 156  | 96600    | 57.492   | ug/l  |          | 90  |
| 78) n-propylbenzene           | 11.305 | 91   | 414994   | 54.172   | ug/l  |          | 98  |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 267739   | 54.690   | ug/l  |          | 97  |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 323620   | 56.390   | ug/l  |          | 99  |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 35442    | 49.108   | ug/l  |          | 85  |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 296811   | 52.523   | ug/l  |          | 97  |
| 83) tert-Butylbenzene         | 11.713 | 119  | 339509   | 62.031   | ug/l  |          | 93  |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 327720   | 56.503   | ug/l  |          | 96  |
| 85) sec-Butylbenzene          | 11.890 | 105  | 383429   | 59.977   | ug/l  |          | 98  |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 324126   | 58.896   | ug/l  |          | 97  |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 171522   | 54.525   | ug/l  |          | 98  |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 172300   | 53.014   | ug/l  |          | 99  |
| 89) n-Butylbenzene            | 12.335 | 91   | 253861   | 55.638   | ug/l  |          | 98  |
| 90) Hexachloroethane          | 12.542 | 117  | 58934    | 64.159   | ug/l  |          | 91  |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 176734   | 57.374   | ug/l  |          | 99  |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 31277    | 58.097   | ug/l  |          | 72  |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 100776   | 55.912   | ug/l  |          | 97  |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 40759    | 58.536   | ug/l  |          | 98  |
| 95) Naphthalene               | 13.774 | 128  | 394748   | 49.999   | ug/l  |          | 100 |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 106924   | 59.711   | ug/l  |          | 99  |

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ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 08 00:51:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081723W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 18 09:30:38 2023  
Response via : Initial Calibration

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

```
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