

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110923\  
 Data File : VX038715.D  
 Acq On : 10 Nov 2023 09:16  
 Operator : JC/MD  
 Sample : 05241-11MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-15-20231102MSD

Quant Time: Nov 10 16:44:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/13/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

| Compound                     | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|------------------------------|----------------|------|------------|---------|-------|----------|
| -----                        |                |      |            |         |       |          |
| Internal Standards           |                |      |            |         |       |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 298400     | 50.000  | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.763          | 114  | 468365     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 448489     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 258718     | 50.000  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 185331     | 49.888  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 99.780% |       |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 167942     | 49.786  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.580% |       |          |
| 50) Toluene-d8               | 8.647          | 98   | 582079     | 48.221  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 96.440% |       |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 233685     | 49.932  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 99.860% |       |          |
| Target Compounds             |                |      |            |         |       |          |
|                              |                |      |            |         |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 142560     | 46.004  | ug/l  | 99       |
| 3) Chloromethane             | 1.294          | 50   | 124778     | 46.586  | ug/l  | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 139508     | 48.927  | ug/l  | 99       |
| 5) Bromomethane              | 1.599          | 94   | 102936     | 46.772  | ug/l  | 98       |
| 6) Chloroethane              | 1.685          | 64   | 94587      | 52.391  | ug/l  | 99       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 245988     | 50.040  | ug/l  | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 85340      | 50.571  | ug/l  | 75       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 132440     | 45.565  | ug/l  | 90       |
| 10) Methyl Iodide            | 2.453          | 142  | 196690     | 54.793  | ug/l  | 91       |
| 11) Tert butyl alcohol       | 2.959          | 59   | 194466     | 256.065 | ug/l  | # 91     |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 137303     | 49.304  | ug/l  | # 79     |
| 13) Acrolein                 | 2.233          | 56   | 117879     | 204.794 | ug/l  | 98       |
| 14) Allyl chloride           | 2.666          | 41   | 183647     | 46.041  | ug/l  | # 93     |
| 15) Acrylonitrile            | 3.062          | 53   | 417678     | 260.604 | ug/l  | 99       |
| 16) Acetone                  | 2.380          | 43   | 351931     | 224.939 | ug/l  | # 89     |
| 17) Carbon Disulfide         | 2.514          | 76   | 344213     | 46.518  | ug/l  | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 304643     | 45.704  | ug/l  | # 86     |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 459854     | 51.638  | ug/l  | 95       |
| 20) Methylene Chloride       | 2.788          | 84   | 156861     | 49.735  | ug/l  | # 82     |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 152221     | 50.208  | ug/l  | 82       |
| 22) Diisopropyl ether        | 3.757          | 45   | 382653     | 50.901  | ug/l  | # 88     |
| 23) Vinyl Acetate            | 3.721          | 43   | 1205667    | 225.954 | ug/l  | # 89     |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 247650     | 49.792  | ug/l  | 96       |
| 25) 2-Butanone               | 4.550          | 43   | 559285     | 246.765 | ug/l  | # 85     |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 140272     | 32.301  | ug/l  | 91       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 179296     | 51.213  | ug/l  | 80       |
| 28) Bromochloromethane       | 4.897          | 49   | 105926     | 47.390  | ug/l  | # 56     |
| 29) Tetrahydrofuran          | 5.001          | 42   | 361366     | 256.264 | ug/l  | # 80     |
| 30) Chloroform               | 5.092          | 83   | 286976     | 49.176  | ug/l  | 95       |
| 31) Cyclohexane              | 5.470          | 56   | 185490     | 45.115  | ug/l  | # 83     |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 281235     | 54.761  | ug/l  | 95       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 193014     | 46.062  | ug/l  | 93       |
| 37) Ethyl Acetate            | 4.714          | 43   | 188001     | 43.944  | ug/l  | # 92     |
| 38) Carbon Tetrachloride     | 5.678          | 117  | 229630     | 49.020  | ug/l  | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 219757     | 41.946  | ug/l  | 89       |
| 40) Benzene                  | 6.037          | 78   | 585660     | 48.525  | ug/l  | 99       |

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 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-15-20231102MSD

Quant Time: Nov 10 16:44:55 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X110723W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 08 03:19:07 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 11/13/2023  
 Supervised By : Mahesh Dadoda 11/13/2023

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 110642   | 50.763   | ug/l # | 86       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 218748   | 50.231   | ug/l   | 95       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 299772   | 45.577   | ug/l # | 90       |
| 44) Trichloroethene           | 7.123  | 130  | 756532   | 201.461  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 144448   | 49.509   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 120739   | 49.484   | ug/l # | 84       |
| 47) Bromodichloromethane      | 7.824  | 83   | 224191   | 48.857   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 158624   | 50.043   | ug/l # | 84       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 77794    | 1078.081 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1089516  | 254.243  | ug/l   | 91       |
| 52) Toluene                   | 8.720  | 92   | 394160   | 49.854   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 221419   | 47.395   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 232541   | 47.151   | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 172310   | 51.364   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 247799   | 52.796   | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 264112   | 50.547   | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 866300   | 249.839  | ug/l   | 89       |
| 60) Dibromochloromethane      | 9.518  | 129  | 196333   | 52.136   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 193749   | 51.390   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.275  | 164  | 156084   | 46.494   | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 456851   | 50.040   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 176926   | 51.550   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.195 | 91   | 759332   | 49.169   | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 611598   | 99.784   | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 298573   | 50.093   | ug/l   | 95       |
| 70) Styrene                   | 10.652 | 104  | 501071   | 50.936   | ug/l   | 95       |
| 71) Bromoform                 | 10.799 | 173  | 159014   | 52.492   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 779463   | 49.109   | ug/l   | 97       |
| 74) N-amyl acetate            | 10.841 | 43   | 246527   | 44.702   | ug/l   | 90       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 279600   | 50.955   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 224212m  | 43.758   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 214174   | 49.166   | ug/l   | 81       |
| 78) n-propylbenzene           | 11.305 | 91   | 886153   | 47.977   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 531948   | 48.105   | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 673871   | 49.330   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 68988    | 42.806   | ug/l   | 86       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 630948   | 48.840   | ug/l   | 93       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 679090   | 49.061   | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 675955   | 49.891   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 823912   | 47.703   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 708341   | 48.143   | ug/l   | 95       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 401884   | 48.255   | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 407913   | 47.651   | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 600450   | 45.860   | ug/l   | 96       |
| 90) Hexachloroethane          | 12.536 | 117  | 122916   | 49.320   | ug/l   | 75       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 397049   | 48.816   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 68562    | 49.715   | ug/l   | 61       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 276473   | 47.524   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 112952   | 44.996   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 893701   | 50.929   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 274528   | 47.877   | ug/l   | 97       |

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ALS Vial : 53 Sample Multiplier: 1

Quant Time: Nov 10 16:44:55 2023  
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Quant Title : SW846 8260  
QLast Update : Wed Nov 08 03:19:07 2023  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-15-20231102MSD

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/13/2023  
Supervised By :Mahesh Dadoda 11/13/2023

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

