

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051223\  
 Data File : VX035649.D  
 Acq On : 12 May 2023 19:34  
 Operator : JC/MD  
 Sample : 02643-08MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-PRO-07-90-05032023MSD

Quant Time: May 15 02:03:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.556          | 168  | 206291     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 372225     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 330429     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 153652     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.958          | 65   | 174110     | 48.380  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = | 96.760% |        |          |
| 35) Dibromofluoromethane     | 5.391          | 113  | 119191     | 47.481  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 94.960% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 432193     | 46.605  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = | 93.200% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 174224     | 46.660  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 93.320% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 127936     | 47.587  | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 139663     | 42.807  | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 133360     | 48.164  | ug/l   | 99       |
| 5) Bromomethane              | 1.611          | 94   | 73376      | 48.931  | ug/l   | 97       |
| 6) Chloroethane              | 1.691          | 64   | 77711      | 46.264  | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 198609     | 48.783  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 75146      | 47.938  | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331          | 101  | 113054     | 46.771  | ug/l   | 95       |
| 10) Methyl Iodide            | 2.453          | 142  | 113662     | 52.576  | ug/l # | 89       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 152469     | 240.136 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 2.319          | 96   | 109038     | 47.463  | ug/l   | 88       |
| 13) Acrolein                 | 2.239          | 56   | 173472     | 230.197 | ug/l   | 99       |
| 14) Allyl chloride           | 2.666          | 41   | 226350     | 45.991  | ug/l   | 94       |
| 15) Acrylonitrile            | 3.069          | 53   | 362869     | 259.539 | ug/l   | 98       |
| 16) Acetone                  | 2.392          | 43   | 347732     | 224.813 | ug/l   | 94       |
| 17) Carbon Disulfide         | 2.514          | 76   | 258214     | 46.572  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 293486     | 51.449  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 434484     | 47.527  | ug/l   | 97       |
| 20) Methylene Chloride       | 2.788          | 84   | 127640     | 45.532  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.093          | 96   | 119606     | 47.513  | ug/l   | 93       |
| 22) Diisopropyl ether        | 3.757          | 45   | 451157     | 46.819  | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1645924    | 241.398 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.611          | 63   | 245791     | 47.693  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 538283     | 251.393 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.477          | 77   | 173523     | 39.760  | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.489          | 96   | 142147     | 46.973  | ug/l   | 95       |
| 28) Bromochloromethane       | 4.897          | 49   | 113784     | 49.085  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 343554     | 255.275 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 250678     | 47.468  | ug/l   | 98       |
| 31) Cyclohexane              | 5.471          | 56   | 212038     | 46.634  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 220036     | 47.887  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 181068     | 45.697  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 208256     | 50.390  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.684          | 117  | 178481     | 47.550  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.379          | 83   | 210982     | 45.234  | ug/l   | 94       |
| 40) Benzene                  | 6.037          | 78   | 512280     | 46.215  | ug/l   | 98       |

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 Sample : 02643-08MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-PRO-07-90-05032023MSD

Quant Time: May 15 02:03:21 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051123W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu May 11 13:57:54 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 121985   | 49.712  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 225492   | 47.289  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 352680   | 48.937  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 553008   | 196.753 | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.434  | 63   | 138252   | 47.092  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 94861    | 47.205  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.824  | 83   | 186755   | 48.081  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.690  | 41   | 177201   | 49.822  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.702  | 88   | 57178    | 778.324 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1073895  | 258.652 | ug/l   | 98       |
| 52) Toluene                   | 8.720  | 92   | 320432   | 45.795  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 200620   | 47.541  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 213595   | 47.242  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 131039   | 47.681  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 215975   | 48.528  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 232989   | 46.766  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 817654   | 261.501 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.519  | 129  | 127868   | 48.811  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 139764   | 48.269  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.275  | 164  | 99136    | 44.564  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 330976   | 45.887  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 121935   | 47.809  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 623383   | 45.953  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 459630   | 91.664  | ug/l   | 94       |
| 69) o-Xylene                  | 10.640 | 106  | 231411   | 46.508  | ug/l   | 95       |
| 70) Styrene                   | 10.653 | 104  | 371443   | 46.319  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 82236    | 49.006  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 604555   | 46.693  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 296535   | 49.121  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 205990   | 49.044  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 197990m  | 52.680  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 133285   | 45.355  | ug/l   | 91       |
| 78) n-propylbenzene           | 11.305 | 91   | 706752   | 46.436  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 434530   | 45.601  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 505802   | 45.963  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 54461    | 46.701  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 500340   | 45.593  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 493968   | 46.179  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 508124   | 45.986  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 615777   | 45.849  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 515440   | 46.682  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 250552   | 44.881  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 253827   | 45.026  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.335 | 91   | 460832   | 45.880  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 78662    | 47.003  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 249268   | 45.597  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 50117    | 53.585  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 149798   | 45.508  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 56282    | 43.077  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 558024   | 49.503  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 147981   | 45.711  | ug/l   | 98       |

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Sample : 02643-08MSD  
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ALS Vial : 25 Sample Multiplier: 1

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MSVOA\_X  
ClientSampleId :  
FSND-PRO-07-90-05032023MSD

Quant Time: May 15 02:03:21 2023  
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Quant Title : SW846 8260  
QLast Update : Thu May 11 13:57:54 2023  
Response via : Initial Calibration

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

