

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081524\  
 Data File : VX043055.D  
 Acq On : 15 Aug 2024 16:10  
 Operator : JC/MD  
 Sample : P3390-09 0.2PPB  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-WATER-03-QT3-2024

Quant Time: Aug 16 02:12:13 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081424W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 16 02:11:44 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/16/2024  
 Supervised By :Semsettin Yesilyurt 08/16/2024

| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 5.550          | 168  | 111639              | 50.000 | ug/l   | # 0.00   |
| 34) 1,4-Difluorobenzene       | 6.757          | 114  | 199981              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 166588              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 70228               | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.952          | 65   | 78758               | 53.688 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 125 |      | Recovery = 107.380% |        |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 65674               | 53.085 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 106.160% |        |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 241694              | 50.609 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 86 - 113 |      | Recovery = 101.220% |        |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 82364               | 47.564 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 77 - 121 |      | Recovery = 95.120%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 3) Chloromethane              | 1.301          | 50   | 388                 | 0.232  | ug/l   | 91       |
| 5) Bromomethane               | 1.599          | 94   | 341                 | 0.671  | ug/l # | 61       |
| 6) Chloroethane               | 1.672          | 64   | 130                 | 0.246  | ug/l # | 1        |
| 11) Tert butyl alcohol        | 2.941          | 59   | 4853                | 12.822 | ug/l # | 88       |
| 13) Acrolein                  | 2.239          | 56   | 521                 | 1.362  | ug/l # | 14       |
| 14) Allyl chloride            | 2.666          | 41   | 743                 | 0.294  | ug/l # | 75       |
| 15) Acrylonitrile             | 3.093          | 53   | 591                 | 0.630  | ug/l # | 92       |
| 16) Acetone                   | 2.392          | 43   | 832                 | 1.144  | ug/l   | 97       |
| 18) Methyl Acetate            | 2.709          | 43   | 845                 | 0.351  | ug/l # | 53       |
| 20) Methylene Chloride        | 2.782          | 84   | 1102                | 0.655  | ug/l   | 88       |
| 23) Vinyl Acetate             | 3.739          | 43   | 3513                | 0.585  | ug/l # | 91       |
| 25) 2-Butanone                | 4.648          | 43   | 1231m               | 0.965  | ug/l   |          |
| 29) Tetrahydrofuran           | 5.044          | 42   | 651m                | 0.736  | ug/l   |          |
| 37) Ethyl Acetate             | 4.776          | 43   | 1103m               | 0.456  | ug/l   |          |
| 43) Isopropyl Acetate         | 6.379          | 43   | 806m                | 0.206  | ug/l   |          |
| 44) Trichloroethene           | 7.129          | 130  | 269                 | 0.203  | ug/l   | 70       |
| 51) 4-Methyl-2-Pentanone      | 8.580          | 43   | 1815                | 0.731  | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether | 8.269          | 63   | 767                 | 0.650  | ug/l # | 74       |
| 59) 2-Hexanone                | 9.458          | 43   | 1319m               | 0.691  | ug/l   |          |
| 66) 1,1,1,2-Tetrachloroethane | 10.171         | 131  | 267                 | 0.220  | ug/l # | 44       |
| 68) m/p-Xylenes               | 10.305         | 106  | 808                 | 0.336  | ug/l   | 93       |
| 71) Bromoform                 | 10.805         | 173  | 225                 | 0.224  | ug/l # | 29       |
| 88) 1,4-Dichlorobenzene       | 12.036         | 146  | 488m                | 0.206  | ug/l   |          |
| 91) 1,2-Dichlorobenzene       | 12.347         | 146  | 687                 | 0.294  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591         | 180  | 467                 | 0.356  | ug/l   | 78       |
| 95) Naphthalene               | 13.780         | 128  | 2385m               | 0.460  | ug/l   |          |
| -----                         |                |      |                     |        |        |          |

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

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