

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022223\  
 Data File : VX034227.D  
 Acq On : 22 Feb 2023 14:36  
 Operator : JC/MD  
 Sample : 01633-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WEIR-TANK-MUD

Quant Time: Feb 23 01:29:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021723W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 17 12:33:35 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 317452   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.763  | 114  | 530665   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 488485   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 223517   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 189235   | 44.262   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 88.520%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 167832   | 48.575   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.140%  |
| 50) Toluene-d8              | 8.647  | 98    | 638819   | 51.496   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 103.000% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 229488   | 48.364   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 96.720%  |

|                               |       |     |        |        |        |    |
|-------------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds              |       |     |        | Qvalue |        |    |
| 2) Dichlorodifluoromethane    | 1.307 | 85  | 35     | 0.013  | ug/l # | 43 |
| 3) Chloromethane              | 1.294 | 50  | 614    | 0.156  | ug/l # | 67 |
| 4) Vinyl Chloride             | 1.374 | 62  | 98     | 0.027  | ug/l   | 93 |
| 6) Chloroethane               | 1.703 | 64  | 130    | 0.072  | ug/l # | 50 |
| 7) Trichlorofluoromethane     | 1.892 | 101 | 69     | 0.014  | ug/l # | 10 |
| 8) Diethyl Ether              | 2.130 | 74  | 80     | 0.041  | ug/l # | 13 |
| 9) 1,1,2-Trichlorotrifluo...  | 2.337 | 101 | 45     | 0.013  | ug/l # | 16 |
| 10) Methyl Iodide             | 2.453 | 142 | 250    | 0.060  | ug/l # | 46 |
| 12) 1,1-Dichloroethene        | 2.313 | 96  | 75     | 0.022  | ug/l # | 1  |
| 13) Acrolein                  | 2.233 | 56  | 85     | 0.195  | ug/l # | 1  |
| 14) Allyl chloride            | 2.648 | 41  | 380    | 0.052  | ug/l # | 22 |
| 15) Acrylonitrile             | 3.075 | 53  | 127    | 0.061  | ug/l # | 38 |
| 16) Acetone                   | 2.373 | 43  | 69828  | 31.662 | ug/l   | 91 |
| 17) Carbon Disulfide          | 2.514 | 76  | 1234   | 0.125  | ug/l # | 84 |
| 20) Methylene Chloride        | 2.788 | 84  | 12230  | 3.078  | ug/l   | 96 |
| 21) trans-1,2-Dichloroethene  | 3.093 | 96  | 173    | 0.048  | ug/l # | 79 |
| 22) Diisopropyl ether         | 3.806 | 45  | 60     | 0.005  | ug/l # | 24 |
| 23) Vinyl Acetate             | 3.696 | 43  | 278    | 0.027  | ug/l # | 72 |
| 24) 1,1-Dichloroethane        | 3.599 | 63  | 40     | 0.006  | ug/l # | 81 |
| 26) 2,2-Dichloropropane       | 4.471 | 77  | 25     | 0.004  | ug/l # | 52 |
| 27) cis-1,2-Dichloroethene    | 4.483 | 96  | 23     | 0.005  | ug/l # | 1  |
| 30) Chloroform                | 4.910 | 83  | 20     | 0.003  | ug/l # | 18 |
| 37) Ethyl Acetate             | 4.715 | 43  | 53185  | 9.313  | ug/l   | 99 |
| 39) Methylcyclohexane         | 7.482 | 83  | 23     | 0.003  | ug/l # | 11 |
| 40) Benzene                   | 6.044 | 78  | 393    | 0.026  | ug/l # | 52 |
| 41) Methacrylonitrile         | 4.928 | 41  | 354    | 0.111  | ug/l # | 42 |
| 42) 1,2-Dichloroethane        | 6.098 | 62  | 561    | 0.105  | ug/l # | 73 |
| 43) Isopropyl Acetate         | 6.336 | 43  | 235196 | 23.339 | ug/l   | 99 |
| 44) Trichloroethene           | 7.129 | 130 | 33     | 0.008  | ug/l   | 88 |
| 45) 1,2-Dichloropropane       | 7.421 | 63  | 19     | 0.005  | ug/l # | 44 |
| 47) Bromodichloromethane      | 7.696 | 83  | 64     | 0.012  | ug/l # | 26 |
| 52) Toluene                   | 8.726 | 92  | 1022   | 0.111  | ug/l   | 79 |
| 56) Ethyl methacrylate        | 9.128 | 69  | 57     | 0.009  | ug/l # | 23 |
| 58) 2-Chloroethyl Vinyl ether | 8.263 | 63  | 20     | 0.007  | ug/l # | 44 |
| 60) Dibromochloromethane      | 9.275 | 129 | 54     | 0.013  | ug/l # | 11 |
| 61) 1,2-Dibromoethane         | 9.622 | 107 | 19     | 0.005  | ug/l # | 65 |

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 Quant Title : SW846 8260  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 64) Tetrachloroethene         | 9.275  | 164  | 99       | 0.029 | ug/l # | 65       |
| 65) Chlorobenzene             | 10.086 | 112  | 228      | 0.022 | ug/l # | 82       |
| 66) 1,1,1,2-Tetrachloroethane | 9.915  | 131  | 72       | 0.018 | ug/l # | 8        |
| 67) Ethyl Benzene             | 10.195 | 91   | 676      | 0.037 | ug/l   | 92       |
| 68) m/p-Xylenes               | 10.305 | 106  | 406      | 0.058 | ug/l   | 77       |
| 69) o-Xylene                  | 10.640 | 106  | 285      | 0.041 | ug/l   | 63       |
| 70) Styrene                   | 10.665 | 104  | 340      | 0.030 | ug/l   | 89       |
| 73) Isopropylbenzene          | 10.970 | 105  | 252      | 0.015 | ug/l   | 78       |
| 75) 1,1,2,2-Tetrachloroethane | 11.195 | 83   | 53       | 0.009 | ug/l # | 26       |
| 77) Bromobenzene              | 11.201 | 156  | 52       | 0.013 | ug/l # | 1        |
| 78) n-propylbenzene           | 11.463 | 91   | 491      | 0.025 | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.463 | 91   | 491      | 0.040 | ug/l   | 84       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 283      | 0.020 | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.463 | 91   | 491      | 0.035 | ug/l   | 91       |
| 83) tert-Butylbenzene         | 11.719 | 119  | 123      | 0.008 | ug/l # | 1        |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 508      | 0.035 | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 383      | 0.022 | ug/l # | 54       |
| 86) p-Isopropyltoluene        | 12.018 | 119  | 542      | 0.037 | ug/l # | 1        |
| 87) 1,3-Dichlorobenzene       | 11.975 | 146  | 296      | 0.039 | ug/l   | 83       |
| 88) 1,4-Dichlorobenzene       | 11.975 | 146  | 296      | 0.038 | ug/l   | 82       |
| 89) n-Butylbenzene            | 12.335 | 91   | 522      | 0.040 | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 173      | 0.023 | ug/l # | 67       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 453      | 0.094 | ug/l # | 77       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 159      | 0.079 | ug/l # | 60       |
| 95) Naphthalene               | 13.780 | 128  | 1714     | 0.105 | ug/l # | 95       |
| 96) 1,2,3-Trichlorobenzene    | 13.969 | 180  | 281      | 0.059 | ug/l # | 35       |

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

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