

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011625\  
 Data File : VX044664.D  
 Acq On : 16 Jan 2025 10:35  
 Operator :  
 Sample : IBLK  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 IBLK

Quant Time: Jan 17 01:23:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\624X011625W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jan 17 01:21:41 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 4.897  | 128   | 29592    | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene       | 6.757  | 114   | 156280   | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5          | 10.049 | 117   | 139131   | 30.000   | ug/l   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 27) 1,2-Dichloroethane-d4     | 5.946  | 65    | 82998    | 29.053   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 110 | Recovery | =      | 96.833%  |
| 60) 4-Bromofluorobenzene      | 11.079 | 95    | 80344    | 29.731   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 63 - 112 | Recovery | =      | 99.100%  |
| 63) Toluene-d8                | 8.647  | 98    | 232822   | 30.767   | ug/l   | 0.00     |
| Spiked Amount                 | 30.000 | Range | 91 - 112 | Recovery | =      | 102.567% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.160  | 85    | 581      | 0.221    | ug/l   | 96       |
| 4) Vinyl Chloride             | 1.374  | 62    | 802      | 0.296    | ug/l # | 74       |
| 5) Bromomethane               | 1.593  | 94    | 352      | 0.538    | ug/l   | 99       |
| 6) Chloroethane               | 1.599  | 64    | 155      | 0.361    | ug/l   | 96       |
| 7) Trichlorofluoromethane     | 1.874  | 101   | 800      | 0.270    | ug/l   | 86       |
| 8) Diethyl Ether              | 2.130  | 74    | 243      | 0.212    | ug/l   | 66       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.325  | 101   | 565      | 0.266    | ug/l   | 89       |
| 10) 1,1-Dichloroethene        | 2.306  | 96    | 1053     | 0.482    | ug/l   | 97       |
| 11) Methyl Iodide             | 2.441  | 142   | 1899     | 0.627    | ug/l   | 94       |
| 12) Methyl Acetate            | 2.703  | 43    | 1421     | 0.445    | ug/l   | 99       |
| 13) Acrolein                  | 2.233  | 56    | 743      | 2.105    | ug/l   | 95       |
| 14) Acrylonitrile             | 3.075  | 53    | 3097     | 2.663    | ug/l   | 98       |
| 15) Acetone                   | 2.392  | 58    | 894      | 2.865    | ug/l   | 90       |
| 16) Carbon Disulfide          | 2.502  | 76    | 11122    | 1.831    | ug/l   | 96       |
| 17) Allyl chloride            | 2.654  | 41    | 1494     | 0.379    | ug/l   | 92       |
| 18) Methylene Chloride        | 2.782  | 84    | 1063     | 0.435    | ug/l # | 74       |
| 19) trans-1,2-Dichloroethene  | 3.087  | 96    | 2157     | 0.992    | ug/l   | 93       |
| 22) cis-1,2-Dichloroethene    | 4.489  | 96    | 1134     | 0.422    | ug/l # | 74       |
| 23) tert-Butyl Alcohol        | 2.983  | 59    | 403      | 0.717    | ug/l # | 100      |
| 29) 1,1-Dichloropropene       | 5.690  | 75    | 1772     | 0.652    | ug/l # | 46       |
| 34) Benzene                   | 6.038  | 78    | 2066     | 0.238    | ug/l # | 82       |
| 37) Trichloroethene           | 7.135  | 130   | 1343     | 0.641    | ug/l # | 80       |
| 40) Dibromomethane            | 7.592  | 93    | 959      | 0.596    | ug/l   | 86       |
| 41) Bromodichloromethane      | 7.836  | 83    | 954      | 0.287    | ug/l # | 69       |
| 42) Vinyl Acetate             | 3.733  | 43    | 6247     | 1.053    | ug/l # | 83       |
| 45) 1,4-Dioxane               | 7.696  | 88    | 529      | 10.557   | ug/l # | 45       |
| 48) t-1,3-Dichloropropene     | 8.988  | 75    | 1727     | 0.493    | ug/l   | 95       |
| 49) cis-1,3-Dichloropropene   | 8.372  | 75    | 1535     | 0.409    | ug/l   | 94       |
| 50) 1,1,2-Trichloroethane     | 9.159  | 97    | 638      | 0.308    | ug/l # | 75       |
| 52) 1,3-Dichloropropane       | 9.311  | 76    | 1011     | 0.282    | ug/l   | 76       |
| 53) Dibromochloromethane      | 9.525  | 129   | 639      | 0.258    | ug/l   | 96       |
| 54) 1,2-Dibromoethane         | 9.622  | 107   | 926      | 0.423    | ug/l   | 93       |
| 55) 2-Chloroethyl vinyl ether | 8.251  | 63    | 3353     | 1.921    | ug/l   | 94       |
| 56) Bromoform                 | 10.805 | 173   | 533      | 0.325    | ug/l # | 78       |
| 59) 2-Hexanone                | 9.452  | 43    | 2602     | 1.212    | ug/l # | 85       |
| 61) Tetrachloroethene         | 9.275  | 164   | 1172     | 0.702    | ug/l # | 76       |
| 62) Toluene                   | 8.720  | 91    | 3549     | 0.387    | ug/l   | 95       |
| 64) Chlorobenzene             | 10.079 | 112   | 3052     | 0.536    | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 10.159 | 131   | 544      | 0.266    | ug/l   | 73       |

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 MSVOA\_X  
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Fri Jan 17 01:21:41 2025  
 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 66) Ethyl Benzene             | 10.195 | 91   | 4348     | 0.435 | ug/l   | 90       |
| 67) m/p-Xylenes               | 10.305 | 106  | 3863     | 1.051 | ug/l   | 85       |
| 68) o-Xylene                  | 10.646 | 106  | 1564     | 0.424 | ug/l   | 90       |
| 69) Styrene                   | 10.665 | 104  | 3209     | 0.530 | ug/l   | 96       |
| 70) Isopropylbenzene          | 10.963 | 105  | 4091     | 0.441 | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 1384     | 0.444 | ug/l # | 94       |
| 72) 1,2,3-Trichloropropane    | 11.244 | 75   | 944      | 0.360 | ug/l   | 81       |
| 73) Bromobenzene              | 11.201 | 156  | 1262     | 0.584 | ug/l   | 95       |
| 74) n-propylbenzene           | 11.305 | 91   | 5183     | 0.492 | ug/l   | 96       |
| 75) 2-Chlorotoluene           | 11.366 | 91   | 3666     | 0.554 | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 3938     | 0.523 | ug/l   | 92       |
| 77) t-1,4-Dichloro-2-butene   | 11.031 | 75   | 551      | 0.444 | ug/l   | 80       |
| 78) 4-Chlorotoluene           | 11.457 | 91   | 4538     | 0.622 | ug/l   | 93       |
| 79) tert-butylbenzene         | 11.713 | 119  | 3690     | 0.477 | ug/l   | 92       |
| 80) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 3795     | 0.500 | ug/l   | 96       |
| 81) sec-Butylbenzene          | 11.890 | 105  | 5032     | 0.545 | ug/l   | 100      |
| 82) p-Isopropyltoluene        | 12.006 | 119  | 4216     | 0.555 | ug/l   | 91       |
| 83) 1,3-Dichlorobenzene       | 11.969 | 146  | 3151     | 0.821 | ug/l   | 97       |
| 84) 1,4-Dichlorobenzene       | 12.049 | 146  | 3325     | 0.884 | ug/l   | 97       |
| 85) n-Butylbenzene            | 12.335 | 91   | 5092     | 0.773 | ug/l   | 97       |
| 86) Hexachloroethane          | 12.536 | 117  | 835      | 0.499 | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 12.335 | 146  | 2386     | 0.623 | ug/l   | 95       |
| 88) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 441      | 0.587 | ug/l   | 92       |
| 89) 1,2,4-Trichlorobenzene    | 13.957 | 180  | 3403     | 1.429 | ug/l   | 94       |
| 90) Hexachlorobutadiene       | 13.725 | 225  | 874      | 0.949 | ug/l   | 96       |
| 91) Naphthalene               | 13.774 | 128  | 17858    | 2.005 | ug/l   | 98       |
| 92) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 3403     | 1.405 | ug/l   | 94       |
| -----                         |        |      |          |       |        |          |

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

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