

**Analysis Code Default**

ENVIRONMENTAL ANALYSES

 Analysis Code: **624.ML**

 Matrix: **ML**

 Method: **EPA 624.1**

| CAS#       | Compound Name                  | Reporting | Units | MDL  | PQL  | RDL | LCS<br>Spike Conc. | LCS<br>Recovery (%) | LCS<br>RPD (%) | MS<br>Spike Conc. | MS<br>Recovery (%) | MS<br>RPD (%) |
|------------|--------------------------------|-----------|-------|------|------|-----|--------------------|---------------------|----------------|-------------------|--------------------|---------------|
| 107-02-8   | Acrolein                       | Included  | ug/L  | 0.81 | 2    | 2   | 20                 | 60-140              | 60             | 20                | 40-160             | 60            |
| 107-13-1   | Acrylonitrile                  | Included  | ug/L  | 0.75 | 2    | 2   | 20                 | 60-140              | 60             | 20                | 40-160             | 60            |
| 71-43-2    | Benzene                        | Included  | ug/L  | 0.18 | 0.5  | 0.5 | 5                  | 65-135              | 61             | 5                 | 37-151             | 61            |
| 75-27-4    | Bromodichloromethane           | Included  | ug/L  | 0.08 | 0.5  | 0.5 | 5                  | 65-135              | 56             | 5                 | 35-155             | 56            |
| 75-25-2    | Bromoform                      | Included  | ug/L  | 0.15 | 0.5  | 0.5 | 5                  | 70-130              | 42             | 5                 | 45-169             | 42            |
| 74-83-9    | Bromomethane (Methyl Bromide)  | Included  | ug/L  | 0.3  | 0.5  | 0.5 | 5                  | 15-185              | 61             | 5                 | 2.5-242            | 61            |
| 56-23-5    | Carbon tetrachloride           | Included  | ug/L  | 0.16 | 0.25 | 0.5 | 5                  | 70-130              | 41             | 5                 | 70-140             | 41            |
| 108-90-7   | Chlorobenzene                  | Included  | ug/L  | 0.18 | 0.5  | 0.5 | 5                  | 65-135              | 53             | 5                 | 37-160             | 53            |
| 75-00-3    | Chloroethane (Ethyl Chloride)  | Included  | ug/L  | 0.15 | 0.5  | 0.5 | 5                  | 40-160              | 78             | 5                 | 14-230             | 78            |
| 110-75-8   | 2-Chloroethyl vinyl ether      | Included  | ug/L  | 0.83 | 1    | 1   | 10                 | 2.5-225             | 71             | 10                | 2.5-305            | 71            |
| 67-66-3    | Chloroform                     | Included  | ug/L  | 0.06 | 0.5  | 0.5 | 5                  | 70-135              | 54             | 5                 | 51-138             | 54            |
| 74-87-3    | Chloromethane(Methyl Chloride) | Included  | ug/L  | 0.13 | 0.5  | 0.5 | 5                  | 5-205               | 60             | 5                 | 5-273              | 60            |
| 124-48-1   | Dibromochloromethane           | Included  | ug/L  | 0.17 | 0.25 | 0.5 | 5                  | 70-135              | 50             | 5                 | 53-149             | 50            |
| 95-50-1    | 1,2-Dichlorobenzene            | Included  | ug/L  | 0.27 | 0.5  | 0.5 | 5                  | 65-135              | 57             | 5                 | 18-190             | 57            |
| 541-73-1   | 1,3-Dichlorobenzene            | Included  | ug/L  | 0.18 | 0.5  | 0.5 | 5                  | 70-130              | 43             | 5                 | 59-156             | 43            |
| 106-46-7   | 1,4-Dichlorobenzene            | Included  | ug/L  | 0.18 | 0.5  | 0.5 | 5                  | 65-135              | 57             | 5                 | 18-190             | 57            |
| 75-71-8    | Dichlorodifluoromethane (F-12) | Included  | ug/L  | 0.1  | 0.5  | 0.5 | 5                  | 44-166              | 30             | 5                 | 55-152             | 30            |
| 75-34-3    | 1,1-Dichloroethane             | Included  | ug/L  | 0.07 | 0.5  | 0.5 | 5                  | 70-130              | 40             | 5                 | 59-155             | 40            |
| 107-06-2   | 1,2-Dichloroethane (EDC)       | Included  | ug/L  | 0.08 | 0.5  | 0.5 | 5                  | 70-130              | 30             | 5                 | 49-155             | 30            |
| 75-35-4    | 1,1-Dichloroethene             | Included  | ug/L  | 0.21 | 0.5  | 0.5 | 5                  | 50-150              | 32             | 5                 | 2.5-234            | 32            |
| 156-59-2   | cis-1,2-Dichloroethene         | Included  | ug/L  | 0.07 | 0.5  | 0.5 | 5                  | 72-134              | 30             | 5                 | 78-124             | 30            |
| 156-60-5   | trans-1,2-Dichloroethene       | Included  | ug/L  | 0.1  | 0.5  | 0.5 | 5                  | 70-130              | 45             | 5                 | 54-156             | 45            |
| 78-87-5    | 1,2-Dichloropropane            | Included  | ug/L  | 0.06 | 0.5  | 0.5 | 5                  | 35-165              | 55             | 5                 | 2.5-210            | 55            |
| 10061-01-5 | cis-1,3-Dichloropropene        | Included  | ug/L  | 0.09 | 0.5  | 0.5 | 5                  | 25-175              | 58             | 5                 | 2.5-227            | 58            |

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Matrix: **ML**

Method: **EPA 624.1**

| CAS#       | Compound Name                  | Reporting | Units | MDL  | PQL | RDL | LCS Spike Conc. | LCS Recovery (%) | LCS RPD (%) | MS Spike Conc. | MS Recovery (%) | MS RPD (%) |
|------------|--------------------------------|-----------|-------|------|-----|-----|-----------------|------------------|-------------|----------------|-----------------|------------|
| 10061-02-6 | trans-1,3-Dichloropropene      | Included  | ug/L  | 0.46 | 0.5 | 0.5 | 5               | 50-150           | 86          | 5              | 17-183          | 86         |
| 306-83-2   | Dichlorotrifluoroethane (F123) | Included  | ug/L  | 0.14 | 0.5 | 0.5 | 5               | 64-142           | 30          | 5              | 77-128          | 30         |
| 100-41-4   | Ethylbenzene                   | Included  | ug/L  | 0.1  | 0.5 | 0.5 | 5               | 60-140           | 30          | 5              | 37-162          | 30         |
| 1634-04-4  | Methyl tert-butyl ether (MTBE) | Included  | ug/L  | 0.15 | 0.5 | 0.5 | 5               | 68-142           | 30          | 5              | 67-137          | 30         |
| 75-09-2    | Methylene chloride             | Included  | ug/L  | 0.12 | 0.5 | 0.5 | 5               | 60-140           | 28          | 5              | 2.5-221         | 28         |
| 79-34-5    | 1,1,2,2-Tetrachloroethane      | Included  | ug/L  | 0.15 | 0.5 | 0.5 | 5               | 60-140           | 61          | 5              | 46-157          | 61         |
| 127-18-4   | Tetrachloroethene (PCE)        | Included  | ug/L  | 0.19 | 0.5 | 0.5 | 5               | 70-130           | 39          | 5              | 64-148          | 39         |
| 108-88-3   | Toluene                        | Included  | ug/L  | 0.19 | 0.5 | 0.5 | 5               | 70-130           | 41          | 5              | 47-150          | 41         |
| 79-00-5    | 1,1,2-Trichloroethane          | Included  | ug/L  | 0.16 | 0.5 | 0.5 | 5               | 70-130           | 45          | 5              | 52-150          | 45         |
| 71-55-6    | 1,1,1-Trichloroethane (TCA)    | Included  | ug/L  | 0.19 | 0.5 | 0.5 | 5               | 70-130           | 36          | 5              | 52-162          | 36         |
| 79-01-6    | Trichloroethene (TCE)          | Included  | ug/L  | 0.2  | 0.5 | 0.5 | 5               | 65-135           | 48          | 5              | 70-157          | 48         |
| 75-69-4    | Trichlorofluoromethane (F-11)  | Included  | ug/L  | 0.29 | 0.5 | 0.5 | 5               | 50-150           | 84          | 5              | 17-181          | 84         |
| 76-13-1    | Trichlorotrifluoroethane F-113 | Included  | ug/L  | 0.13 | 0.5 | 1   | 5               | 62-151           | 30          | 5              | 57-159          | 30         |
| 75-01-4    | Vinyl chloride                 | Included  | ug/L  | 0.25 | 0.5 | 0.5 | 5               | 5-195            | 66          | 5              | 2.5-251         | 66         |
| 1330-20-7  | Xylenes, total                 | Included  | ug/L  | 0.47 | 0.5 | 0.5 | 15              | 58-138           | 30          | 15             | 49-146          | 30         |
| 67-64-1    | Acetone                        | Optional  | ug/L  | 3    | 10  | 50  | 10              | 48-157           | 30          | 10             | 13-177          | 30         |
| 994-05-8   | tert-Amyl-Methyl ether (TAME)  | Optional  | ug/L  | 0.15 | 0.5 | 2.5 | 5               | 65-145           | 30          | 5              | 73-129          | 30         |
| 108-86-1   | Bromobenzene                   | Optional  | ug/L  | 0.2  | 0.5 | 2.5 | 5               | 59-138           | 30          | 5              | 61-133          | 30         |
| 74-97-5    | Bromochloromethane             | Optional  | ug/L  | 0.18 | 0.5 | 2.5 | 5               | 70-140           | 30          | 5              | 76-127          | 30         |
| 78-93-3    | 2-Butanone (MEK)               | Optional  | ug/L  | 0.69 | 2   | 10  | 10              | 58-147           | 30          | 10             | 34-161          | 30         |
| 104-51-8   | n-Butylbenzene                 | Optional  | ug/L  | 0.09 | 0.5 | 2.5 | 5               | 69-134           | 30          | 5              | 69-127          | 30         |
| 135-98-8   | sec-Butylbenzene               | Optional  | ug/L  | 0.2  | 0.5 | 2.5 | 5               | 65-132           | 30          | 5              | 75-122          | 30         |
| 98-06-6    | tert-Butylbenzene              | Optional  | ug/L  | 0.2  | 0.5 | 2.5 | 5               | 63-138           | 30          | 5              | 79-123          | 30         |
| 75-15-0    | Carbon disulfide               | Optional  | ug/L  | 1    | 1   | 5   | 10              | 48-158           | 30          | 10             | 58-158          | 30         |

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 Matrix: **ML**

 Method: **EPA 624.1**

| CAS#     | Compound Name                 | Reporting | Units | MDL  | PQL | RDL  | LCS<br>Spike Conc. | LCS<br>Recovery (%) | LCS<br>RPD (%) | MS<br>Spike Conc. | MS<br>Recovery (%) | MS<br>RPD (%) |
|----------|-------------------------------|-----------|-------|------|-----|------|--------------------|---------------------|----------------|-------------------|--------------------|---------------|
| 111-44-4 | bis(2-Chloroethyl) ether      | Optional  | ug/L  | 1.3  | 2.5 | 12.5 | 25                 | 54-161              | 30             | 1000              | 51-153             | 30            |
| 95-49-8  | 2-Chlorotoluene               | Optional  | ug/L  | 0.09 | 0.5 | 2.5  | 5                  | 63-124              | 30             | 5                 | 74-112             | 30            |
| 106-43-4 | 4-Chlorotoluene               | Optional  | ug/L  | 0.18 | 0.5 | 2.5  | 5                  | 69-122              | 30             | 5                 | 70-115             | 30            |
| 96-12-8  | 1,2-Dibromo-3-chloropropane   | Optional  | ug/L  | 0.25 | 0.5 | 2.5  | 5                  | 38-152              | 30             | 5                 | 60-137             | 30            |
| 106-93-4 | 1,2-Dibromoethane (EDB)       | Optional  | ug/L  | 0.18 | 0.5 | 2.5  | 5                  | 72-123              | 30             | 5                 | 73-123             | 30            |
| 74-95-3  | Dibromomethane                | Optional  | ug/L  | 0.2  | 0.5 | 2.5  | 5                  | 67-141              | 30             | 5                 | 58-144             | 30            |
| 540-59-0 | 1,2-Dichloroethene, total     | Optional  | ug/L  | 0.23 | 0.5 | 2.5  | 10                 | 72-135              | 30             | 10                | 77-125             | 30            |
| 142-28-9 | 1,3-Dichloropropane           | Optional  | ug/L  | 0.18 | 0.5 | 2.5  | 5                  | 72-123              | 30             | 5                 | 74-120             | 30            |
| 594-20-7 | 2,2-Dichloropropane           | Optional  | ug/L  | 0.14 | 0.5 | 2.5  | 5                  | 62-143              | 30             | 5                 | 55-133             | 30            |
| 563-58-6 | 1,1-Dichloropropene           | Optional  | ug/L  | 0.17 | 0.5 | 2.5  | 5                  | 56-150              | 30             | 5                 | 57-145             | 30            |
| 542-75-6 | 1,3-Dichloropropene, total    | Optional  | ug/L  | 0.35 | 0.5 | 2.5  | 10                 | 74-128              | 30             | 10                | 56-141             | 30            |
| 108-20-3 | Diisopropyl ether (DIPE)      | Optional  | ug/L  | 0.16 | 0.5 | 2.5  | 5                  | 69-141              | 30             | 5                 | 79-128             | 30            |
| 637-92-3 | Ethyl tert-butyl ether (ETBE) | Optional  | ug/L  | 0.16 | 0.5 | 2.5  | 5                  | 64-145              | 30             | 5                 | 78-126             | 30            |
| 87-68-3  | Hexachlorobutadiene           | Optional  | ug/L  | 0.2  | 0.5 | 2.5  | 5                  | 34-170              | 30             | 5                 | 62-126             | 30            |
| 591-78-6 | 2-Hexanone                    | Optional  | ug/L  | 1.2  | 2   | 5    | 10                 | 60-132              | 30             | 10                | 71-125             | 30            |
| 74-88-4  | Iodomethane                   | Optional  | ug/L  | 1.2  | 2   | 5    | 10                 | 62-126              | 30             | 10                | 48-138             | 30            |
| 98-82-8  | Isopropylbenzene (Cumene)     | Optional  | ug/L  | 0.08 | 0.5 | 2.5  | 5                  | 64-130              | 30             | 5                 | 54-139             | 30            |
| 99-87-6  | 4-Isopropyltoluene            | Optional  | ug/L  | 0.19 | 0.5 | 2.5  | 5                  | 68-132              | 30             | 5                 | 74-124             | 30            |
| 108-10-1 | 4-Methyl-2-pentanone (MIBK)   | Optional  | ug/L  | 0.33 | 1   | 5    | 10                 | 55-143              | 30             | 10                | 63-146             | 30            |
| 75-65-0  | 2-Methyl-2-propanol (TBA)     | Optional  | ug/L  | 2.6  | 20  | 100  | 50                 | 55-143              | 30             | 50                | 57-156             | 30            |
| 91-20-3  | Naphthalene                   | Optional  | ug/L  | 0.07 | 0.5 | 2.5  | 5                  | 43-188              | 30             | 5                 | 46-159             | 30            |
| 103-65-1 | n-Propylbenzene               | Optional  | ug/L  | 0.2  | 0.5 | 2.5  | 5                  | 60-136              | 30             | 5                 | 75-121             | 30            |
| 100-42-5 | Styrene                       | Optional  | ug/L  | 0.19 | 0.5 | 2.5  | 5                  | 57-138              | 30             | 5                 | 43-150             | 30            |
| 630-20-6 | 1,1,1,2-Tetrachloroethane     | Optional  | ug/L  | 0.12 | 0.5 | 2.5  | 5                  | 77-114              | 30             | 5                 | 75-118             | 30            |

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 Analysis Code: **624.ML**

 Matrix: **ML**

 Method: **EPA 624.1**

| CAS#       | Compound Name              | Reporting | Units | MDL  | PQL | RDL | LCS<br>Spike Conc. | LCS<br>Recovery (%) | LCS<br>RPD (%) | MS<br>Spike Conc. | MS<br>Recovery (%) | MS<br>RPD (%) |
|------------|----------------------------|-----------|-------|------|-----|-----|--------------------|---------------------|----------------|-------------------|--------------------|---------------|
| 87-61-6    | 1,2,3-Trichlorobenzene     | Optional  | ug/L  | 0.2  | 0.5 | 2.5 | 5                  | 61-159              | 30             | 5                 | 53-146             | 30            |
| 120-82-1   | 1,2,4-Trichlorobenzene     | Optional  | ug/L  | 0.25 | 0.5 | 2.5 | 5                  | 37-188              | 30             | 5                 | 62-136             | 30            |
| 96-18-4    | 1,2,3-Trichloropropane     | Optional  | ug/L  | 0.19 | 0.5 | 2.5 | 5                  | 46-147              | 30             | 5                 | 43-158             | 30            |
| THM        | Total Trihalomethanes      | Optional  | ug/L  | 0.62 | 1   | 2.5 | 20                 | 64-133              | 30             | 20                | 78-125             | 30            |
| 95-63-6    | 1,2,4-Trimethylbenzene     | Optional  | ug/L  | 0.19 | 0.5 | 2.5 | 5                  | 73-131              | 30             | 5                 | 76-125             | 30            |
| 108-67-8   | 1,3,5-Trimethylbenzene     | Optional  | ug/L  | 0.09 | 0.5 | 2.5 | 5                  | 74-125              | 30             | 5                 | 75-120             | 30            |
| 108-05-4   | Vinyl acetate              | Optional  | ug/L  | 0.6  | 1   | 5   | 10                 | 29-174              | 30             | 400               | 16-178             | 30            |
| XYLMP      | m+p-Xylene                 | Optional  | ug/L  | 0.4  | 0.5 | 5   | 10                 | 57-140              | 30             | 10                | 49-148             | 30            |
| 95-47-6    | o-Xylene                   | Optional  | ug/L  | 0.19 | 0.5 | 2.5 | 5                  | 59-134              | 30             | 5                 | 50-144             | 30            |
| 460-00-4   | 4-Bromofluorobenzene (SS)  |           |       |      |     |     | 12                 | 80-120              | 30             | 12                | 80-120             | 30            |
| 1868-53-7  | Dibromofluoromethane (SS)  |           |       |      |     |     | 12                 | 71-133              | 30             | 12                | 63-142             | 30            |
| 17060-07-0 | 1,2-Dichloroethane-d4 (SS) |           |       |      |     |     | 12                 | 66-137              | 30             | 12                | 57-148             | 30            |
| 2037-26-5  | Toluene-d8 (SS)            |           |       |      |     |     | 12                 | 61-136              | 30             | 12                | 46-145             | 30            |