

STANDARD WATER ANALYTICAL REQUEST FORM

NMSU – SWAT LABORATORY
PGEL Building – West Door, Box 30003
Las Cruces, NM 88003

Lab No.

Telephone: (575) 646-4422 Fax: (575) 646-5185 <http://swatlab.nmsu.edu>

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|---|---------------------------------------|-----------------------------------|---|---|---|---|---|---|---|--|--|--|--|---|----------------------------------|--|---|---|---|---|---------------------------------------|
| User Code#: _____ - _____ | Date Received: _____ | Priority Code #: [] | (If "1" or "2" call SWAT Coordinator) | | | | | | | | | | | | | | | | | | | | |
| Facility Name: _____ | County: _____ | City: _____ | State: _____ | | | | | | | | | | | | | | | | | | | | |
| Sample Location: _____ | | | | | | | | | | | | | | | | | | | | | | | |
| Collected By: _____ | | On: ____/____/____ | At: ____:____ hrs. | | | | | | | | | | | | | | | | | | | | |
| By: First _____ and Last name _____ Phone #: _____ | | Date: (MM/DD/YY) _____ Time: 24 hour clock | | | | | | | | | | | | | | | | | | | | | |
| Sampling Information: <input type="checkbox"/> -Grab <input type="checkbox"/> -Composite _____ (Composite time period) | | Sample Purpose: (select all that apply) | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> -Flow Proportioned <input type="checkbox"/> -Equal aliquot <input type="checkbox"/> -Chain of Custody | | <input type="checkbox"/> - Monitoring <input type="checkbox"/> - Bank Request <input type="checkbox"/> - New Well <input type="checkbox"/> - Bad Taste <input type="checkbox"/> - White Precipitate <input type="checkbox"/> - Livestock Use <input type="checkbox"/> - Home Use <input type="checkbox"/> - Irrigation Use | | | | | | | | | | | | | | | | | | | | | |
| Report Name To: _____ | Phone #: _____ | <input type="checkbox"/> - Concern of hazardous condition: Request help in choice of tests. Microbiological tests are conducted using a sterilized sample bottle. Also obtain form and detailed instructions sheet. | | | | | | | | | | | | | | | | | | | | | |
| Address _____ | | | | | | | | | | | | | | | | | | | | | | | |
| City, State Zip _____ | | | | | | | | | | | | | | | | | | | | | | | |
| Field Data: pH: _____ Conductivity: _____ µmhos/cm @ Temperature: _____ °C Chlorine Residual: _____ mg/L | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Source: <input type="checkbox"/> - Entry Point Distribution <input type="checkbox"/> - Stream <input type="checkbox"/> - Well; Depth _____ <input type="checkbox"/> - Drain <input type="checkbox"/> - Spring <input type="checkbox"/> - Pool <input type="checkbox"/> - Distribution <input type="checkbox"/> - WWTP <input type="checkbox"/> - Other: _____ | | Field Remarks: | | | | | | | | | | | | | | | | | | | | | |
| Sample Type: <input type="checkbox"/> - Water <input type="checkbox"/> - Unchlorinated <input type="checkbox"/> - Other <input type="checkbox"/> - Wastewater <input type="checkbox"/> - Chlorinated This form accompanies a sample(s) consisting of: _____ - 1 Liter bottle(s) _____ - _____ bottles(s) | | Preservation: <input type="checkbox"/> - Water not preserved; filtered <input type="checkbox"/> - Water not preserved; Not filtered <input type="checkbox"/> - Water iced <input type="checkbox"/> - Other - _____ | | | | | | | | | | | | | | | | | | | | | |
| Analyses Requested: Standard Water Complete Package is column 1. Please check the appropriate box(es) below to make an analytical request. Additional individual analytes may be added on to group requests by checking additional request boxes. See the back of this form for description of footnotes. | | | | | | | | | | | | | | | | | | | | | | | |
| Standard Water Package Analyses: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><input type="checkbox"/> - pH (r)</td> <td style="width: 50%; border: none;"><input type="checkbox"/> - Nitrate + Nitrite (as N) (a,r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Conductivity (r)</td> <td style="border: none;"><input type="checkbox"/> - Nitrite (as N) (r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Total Dissolved Solids (r)</td> <td style="border: none;"><input type="checkbox"/> - Potassium (as K) (r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Sodium (as Na) (r)</td> <td style="border: none;"><input type="checkbox"/> - Chloride (as Cl) (r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Calcium (as Ca) (r)</td> <td style="border: none;"><input type="checkbox"/> - Sulfate (as SO₄) (r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Magnesium (as Mg) (r)</td> <td style="border: none;"><input type="checkbox"/> - Fluoride (as F) (r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Hardness (as CaCO₃) (r)</td> <td style="border: none;"><input type="checkbox"/> - _____</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Carbonate (as CO₃) (r)</td> <td style="border: none;"><input type="checkbox"/> - Total Suspended Solids (r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Bicarbonate (as HCO₃) (r)</td> <td style="border: none;"><input type="checkbox"/> - Total Organic Carbon (p,r)</td> </tr> <tr> <td style="border: none;"><input type="checkbox"/> - Alkalinity (as CaCO₃) (r)</td> <td style="border: none;"><input type="checkbox"/> - Quick Test</td> </tr> </table> | | | | <input type="checkbox"/> - pH (r) | <input type="checkbox"/> - Nitrate + Nitrite (as N) (a,r) | <input type="checkbox"/> - Conductivity (r) | <input type="checkbox"/> - Nitrite (as N) (r) | <input type="checkbox"/> - Total Dissolved Solids (r) | <input type="checkbox"/> - Potassium (as K) (r) | <input type="checkbox"/> - Sodium (as Na) (r) | <input type="checkbox"/> - Chloride (as Cl) (r) | <input type="checkbox"/> - Calcium (as Ca) (r) | <input type="checkbox"/> - Sulfate (as SO ₄) (r) | <input type="checkbox"/> - Magnesium (as Mg) (r) | <input type="checkbox"/> - Fluoride (as F) (r) | <input type="checkbox"/> - Hardness (as CaCO ₃) (r) | <input type="checkbox"/> - _____ | <input type="checkbox"/> - Carbonate (as CO ₃) (r) | <input type="checkbox"/> - Total Suspended Solids (r) | <input type="checkbox"/> - Bicarbonate (as HCO ₃) (r) | <input type="checkbox"/> - Total Organic Carbon (p,r) | <input type="checkbox"/> - Alkalinity (as CaCO ₃) (r) | <input type="checkbox"/> - Quick Test |
| <input type="checkbox"/> - pH (r) | <input type="checkbox"/> - Nitrate + Nitrite (as N) (a,r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Conductivity (r) | <input type="checkbox"/> - Nitrite (as N) (r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Total Dissolved Solids (r) | <input type="checkbox"/> - Potassium (as K) (r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Sodium (as Na) (r) | <input type="checkbox"/> - Chloride (as Cl) (r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Calcium (as Ca) (r) | <input type="checkbox"/> - Sulfate (as SO ₄) (r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Magnesium (as Mg) (r) | <input type="checkbox"/> - Fluoride (as F) (r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Hardness (as CaCO ₃) (r) | <input type="checkbox"/> - _____ | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Carbonate (as CO ₃) (r) | <input type="checkbox"/> - Total Suspended Solids (r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Bicarbonate (as HCO ₃) (r) | <input type="checkbox"/> - Total Organic Carbon (p,r) | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> - Alkalinity (as CaCO ₃) (r) | <input type="checkbox"/> - Quick Test | | | | | | | | | | | | | | | | | | | | | | |
| Laboratory Results and Remarks: | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| Sample submitter is responsible for hazardous material disclosure and hazardous sample disposal. Acknowledged _____ | | | | | | | | | | | | | | | | | | | | | | | |

SWAT 0103-SW

RECOMMENDED LEVELS only (not regulated):

Maximum Contaminant Level (Regulated):

| <u>TEST</u> | <u>Recommended Range</u> |
|-------------------------|------------------------------|
| Ph | 6.5 – 8.5 |
| Electrical Conductivity | less than 1,560 micromhos/cm |

| <u>TEST</u> | <u>Regulated Maximum</u> |
|-------------|--------------------------|
| Nitrate - N | 10 mg/L |
| Nitrite - N | 1 mg/L |

| | | | |
|-------------------------|--|----------|--------|
| Total Dissolved Solides | less than 1,000 mg/L | Fluoride | 4 mg/L |
| Sodium | less than 200 mg/L (8.7 meq/L) | | |
| Calcium | range of 75 - 200 mg/L (3.74 - 9.98 meq/L) | | |
| Magnesium | less than 125 mg/L (10.29 meq/L) | | |
| Hardness | less than 250 mg/L as CaCO ₃ | | |
| Carbonate | less than 350 mg/L (11.67 meq/L) | | |
| Bicarbonate | less than 700 mg/L (11.48 meq/L) | | |
| Alkalinity | range of 30 - 500 mg/L | | |
| Chloride | less than 250 mg/L | | |
| Sulfate | less than 250 mg/L | | |
| Fluoride | range of 0.8 - 1.5 mg/L | | |

NOTE: mg/L = ppm & micromhos/cm = µmhos/cm

Preservation Footnotes:

a = add 2 ml of sulfuric acid (H₂SO₄) per liter of sample
 p = add 2ml of phosphoric acid (H₃PO₄) per liter of sample
 r = refrigerate @ 4°C

Quick Test Results:

pH _____
 Conductivity _____ µmhos/cm
 Hardness _____ to _____ grains/gal
 Nitrate _____ to _____ mg/L

USE ONLY WHEN NECESSARY

Chain-Of-Custody

I certify that this sample was transferred from _____ to _____
 at (location) _____ on _____ at _____
DateTime

Evidentiary Seals: - None OR Seals Intact -Yes - No

Signatures _____

and from (if applicable) _____ to _____
 at (location) _____ on _____ at _____
DateTime

Evidentiary Seals: - None OR Seals Intact -Yes - No

Signatures _____