File No.:_____

Lab Sample No.:_____

POTABLE WATER CHEMICAL ANALYSIS

OEPA Certification No. 4063
IDEM Certification No. C-OH-05

ALL INFORMATION IN THE BOX BELOW MUST BE COMPLETED OR THE SAMPLE CANNOT BE ANALYZED

PUBLIC WATER SYSTEM INFORMATION:

PWS Name:_____

STU Name:_____

PWSID #:_____ **STU #:**_____

Address:_____

_____

County:_____

Contact Person:_____

Contact Phone:_____

SAMPLE INFORMATION:

Sample Monitoring Point: EP_____ **RS**_____ **Other**_____

Sample Collection Date: _____ **Time:** _____

Sample Purpose: O Compliance O Resample O New Well

O Other (explain):_____

Sample Collected by:_____

Repeat for Sample #:_____

Sample Location Description:_____

Report to OEPA/IDEM: Yes No (Please circle one)

Analyses to be performed:

- o MCL Inorganics (Package)*
- o Antimony*
- o Arsenic*
- o Barium*
- o Beryllium*
- o Cadmium*
- o Chromium*
- o Copper
- o Iron
- o Lead
- o Manganese
- o Mercury*
- o Nickel*
- o Selenium*
- o Silver
- o Thallium*
- o Zinc
- o Lead & Copper Rule
- o Alkalinity
- o Chloride
- o Cyanide*
- o Fluoride*
- o pH#
- o Phosphorus (Phosphate)
- o Nitrate (as N)
- o Nitrite (as N)#
- o Sulfate
- o VOC's ** **(see note on next page)**
- o SOC's (please use attached form)#

* Included in package

Very short holding time (48 hrs. or less)

o Other _____

FOR LAB USE ONLY:

Date Received:_____ Time:_____

Sub-Contract Lab:_____

INSTRUCTIONS FOR COLLECTION OF DRINKING WATER SAMPLES

The required bottles are supplied by the lab and contain the appropriate preservatives for each analysis. (Be careful **not to rinse out preservative**.) Collect samples at point indicated by the EPA, following the sampling instructions and send to: **Brookside Laboratories, Inc., 308 S. Main St., New Knoxville, OH 45871**. Please mark **ATTENTION: Environmental Lab.**

INORGANICS

1. **Sample Containers and Preservatives**

Analysis	Container	Preservative
Metals	One 1000 ml plastic bottle	5 ml of 1:1 HNO_3
Fluoride and/or Nitrite	One 250 ml plastic bottle	None
Cyanide	One 1000 ml plastic bottle	7.5 ml of 12N NaOH
Nitrate	One 250 ml plastic bottle	2.5 ml of 20% (v/v) H_2SO_4
Sulfate	One 500 ml plastic bottle	None
Asbestos	Two 1000 ml plastic bottles	frozen ice pack

2. **Sampling Procedure**

Begin sample collection after you have made sure that the sample is representative of the water source. Flush sampling taps for at least 10 minutes before filling sample bottle. When sampling a well, clean the system by pumping long enough to purge the casing and drop-pipe so it is free of sediment, rust and particles that may have accumulated. When system is purged clean, fill the bottles with water.

3. **Sampling Procedure for Lead and Copper in Tap Water**

Sample must be collected from cold water taps that are typically used for water consumption. The water must be kept unused in the plumbing for 6 to 8 hours before sampling. Do not flush or flame the tap. Each sample must be collected in a 1000 ml sample container.

VOLATILE ORGANIC COMPOUNDS (VOC's)

1. **Sample Containers and Preservatives**

Analysis	**Container**	**Preservative**
VOC's/THM's	Three 40 ml glass vials	25 mg of ascorbic acid **3 drops of 1:1 HCl****

**** Please note: if this preservative is NOT added to the sample at the time of sampling, the analyses cannot be completed.**

2. **Sampling Procedure**

Begin sample collection after you have made sure that the sample is representative of the water source. Do not flush sampling taps before filling the sample vials.