Space for Lab Letter Head

**Radionuclides Beta Emitters**

*Analysis Report*

|  |  |
| --- | --- |
| Date Collected: (MM/DD/YY) \_\_\_ \_\_\_/\_\_\_ \_\_\_/\_\_\_ \_\_\_ | System Group Type: *(Circle one.)* A B Other: |
| Water System ID Number: \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ | System Name: |
| Lab Number/Sample Number: \_\_\_ \_\_\_ \_\_\_/\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ | County: |
| Sample Location | Source Number(s) *(List all sources if blended or composited.)* |
| Sample Purpose *(check appropriate box)* ⃣ RC—Routine/Compliance *(Satisfies monitoring requirements.)* ⃣ C—Confirmation *(Confirmation of chemical result.)*\* ⃣ I—Investigative *(Does not satisfy monitoring requirements.)* ⃣ O—Other *(Specify—does not satisfy monitoring requirements.)* | Date Received: (MM/DD/YY) \_\_\_ \_\_\_/\_\_\_ \_\_\_/\_\_\_ \_\_\_Date Analyzed: (MM/DD/YY) \_\_\_ \_\_\_/\_\_\_ \_\_\_/\_\_\_ \_\_\_Date Reported: (MM/DD/YY) \_\_\_ \_\_\_/\_\_\_ \_\_\_/\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_COMMENTS: |
| Sample Composition *(Check appropriate box.)* ⃣ S—Single Source ⃣ B—Blended *(List source numbers in “Source Numbers” field.)* ⃣ C—Composite *(List source numbers in “Source Numbers” field.)* ⃣ D—Distribution Sample  | Sample Type *(Check one.)* ⃣ Pre-treatment/Untreated (Raw) ⃣ Post-treatment (Finished)⃣ Unknown or OtherSample Collected by: *(name)* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Send Report to:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Bill to: *(Client name.)*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Analytical Results**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DOH #** | **Contaminants** | **Data Qualifier** | **Results** | **Uncert +/-** | **Lab MDA** | **SDRL** | **MCL** | **Units** | **Date****Analyzed** | **Method/Initials** |
| 0042 | Gross beta**\*\*** |  |  |  |  | 4 | 50 | pCi/L |  |  |
| 0043 | Tritium**\*\*** |  |  |  |  | 1,000 | 20,000 | pCi/L |  |  |
| 0044 | Strontium 90**\*\*** |  |  |  |  | 2 | 8 | pCi/L |  |  |
| 0107 | Cesium 134**\*\*** |  |  |  |  | 10 | 80 | pCi/L |  |  |
| 0108 | Iodine 131**\*\*** |  |  |  |  | 1 | 3 | pCi/L |  |  |

**NOTES**

**\*Confirmation:** Include the original lab number, sample number, and collection date of original sample in either comment section.

\*\***The MCL for beta particle and photon radioactivity from man-made radionuclides** is the average annual concentration, which shall notproduce an annual dose equivalent to the total body or any internal organ greater than four millirems per year (mrem/yr).

**Data Qualifier:** A symbol or letter to denote additional information about the result.

**DOH#:** Department assigned contaminant number.

**MCL (Maximum Contaminant Level):** Highlight the result if the contaminant amount is equal to or greater than the MCL under chapter 246-290 WAC. If you have questions about this result, please contact the department’s drinking water regional office in your area.

**MDA:** The minimum detectable amount or smallest activity or concentration of radioactive material in a sample that will yield a net count (above sample background) that can be detected with ninety-five percent probability. **The MDA must be equal to or less than the SDRL for the results to be accepted by the department.**

**Method/Initials:** Analytical method used/Initials of the analyst that performed the analysis

**pCi/L:** picocuries per liter (a measure of radioactivity).

**SDRL (State Detection Reporting Limit):** The minimum reportable detection of a contaminant as established by the department.

**µg/L:** micrograms per liters or parts per billion.

**UNCERT +/-:** The total amount of analytical uncertainty associated with the sample analysis.

**LAB COMMENTS**