

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
7403	Gilmore	NWRPO	QARC	Nye	32P, 33P	Groundwater chemistry results including major ions and metals analyzed by ACZ, tritium analyzed by RSE, stable isotopes analyzed by CSL and radiocarbon dating performed by Beta Analytic
Doc. Date	11/13/2007	General Doc. Type	QA Program Doc	Keyword2	geochemistry	
Entry Date	1/28/2008	Detailed Doc. Type	Lab Data	Keyword3	groundwater	

Data Originator Preparer Kathy Gilmore

Title of Data Groundwater chemistry results including major ions and metals analyzed by ACZ, tritium analyzed by RSE, stable isotopes analyzed by CSL and radiocarbon dating performed by Beta Analytic

Description of Data Major ions, metals, tritium, stable isotope ratio analysis (SIRA) of oxygen and hydrogen in water, and radiocarbon results for groundwater samples collected at EWDP wells NC-EWDP-32P deep, -32P intermediate, -33P deep, and -33P intermediate from 9/10/07 - 9/13/07. Data package includes lab reports, QC reports and calculations, and processed data.

Wells sampled and corresponding sample numbers are as follows:

GWS0131	NC-EWDP-32P intermediate
GWS0132	NC-EWDP-32P deep
GWS0133	not used
GWS0134	NC-EWDP-33P intermediate
GWS0135	NC-EWDP-33P deep
GWS0136	not used
GWS0137	NC-EWDP-33P deep blind field duplicate
GWS0138	NC-EWDP-32P deep blind field duplicate
GWS0144	field blank

Data Collection Method Groundwater was pumped to the ground surface with a small diameter bladder pump operated with nitrogen. The wells were developed using airlifting methods (refer to SNB #165 pgs 107-137) and samples collected, processed, bottled, and shipped to the testing laboratory following standard methods documented in Nye County QA technical procedure TP-8.1 revision 2.

Data Location(s) NC-EWDP-32P deep, -32P intermediate, -33P deep, and -33P intermediate

Data Collection Period(s) 9/10/07 to 9/13/07

Data Source(s) ACZ Laboratories, Steamboat Springs, CO; Radiation Safety Engineering Inc., Chandler, AZ., Beta Analytic Inc., Miami, FL., Coastal Science Laboratories Inc., Austin, TX.

Supporting Data Refer to RID 7393 for field chemistry parameters and field scientific notebooks (SNBs) 145 and 165 for field notes.

Data Censoring none

Data Processing Original data are processed into Excel spreadsheets.

Data Limitations Wells were developed using airlift methods as described in SNB# 165 pgs 107-137. With one exception, all analytical results for all chemical parameters of concern when comparing blind field duplicate samples met standard QC specifications per TP 8.1 rev 2. The exception is as follows:

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
---------	-------------	------	----------	------	-----------	-------------------

NC-EWDP-32P Deep (GWS0132 and GWS0138): Nitrate/Nitrite as N (absolute difference of the results are greater than 3 times the reporting limit [RL])

A field blank sample was collected to asses any error due to cross-contamination and should generally result in results less than the laboratory RL. The following analytes from the field blank sample did not have results less than the laboratory RL: Silica, Sodium, Chloride, conductivity, and nitrate/nitrite as N.

.....
**Governing
QA Docs.** TP-8.1 Rev. 2

.....
**Frequency
of
Transmittal** As required by PI

.....
**Direct Questions
About Data
To-** NWRPO QA Records Center