

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
5438	Gilmore	NYE	Qarc	NYE	22PA	NC-EWDP-22PA Water Geochemistry Data Analyzed by NEL Laboratories
Doc. Date	1/10/2003	General Doc. Type	QA PROGRAM DOC	Keyword2	H2O	
Entry Date	1/13/2003	Detailed Doc. Type	DATA	Keyword3	ANALYSES	
Data Originator Preparer	Kathy Gilmore					
Title of Data	NC-EWDP-22PA Water Geochemistry Data Analyzed by NEL Laboratories					
Description of Data	Water geochemistry data from water obtained 8/28/02 during EWDP-22PA sampling event. Data is included for the following water samples: GWS 0012 - 22PA shallow zone; GWS 0013 - 22PA shallow zone blind field duplicate; and GWS 0014 - 22PA deep zone. Included in the data package: case narrative, analytical results direct from database, original transfer of custody form, analytical QC summary report, processed data in excel format, and relative percent difference values for analyses of GWS 0012 and GWS 0013.					
Data Collection Method	Groundwater was pumped to the ground surface with a Bennett pump (piston pump operated with compressed air). The well was purged and samples collected, processed, bottled, and shipped to the testing laboratory following standard methods documented in Nye County QA technical procedure TP-8.1. Groundwater samples were analyzed by NEL Laboratories using EPA procedures listed in the attached analytical results database report.					
Data Location(s)	NC-EWDP-22PA					
Data Collection Period(s)	8/28/02					
Data Source(s)	NEL Laboratories, Las Vegas, NV. Refer to RID 5194 for field chemistry parameters.					
Data Censuring	None					
Data Processing	NEL processed data from database into excel spreadsheets which included the following limits: instrument detection, method detection and reporting.					
Data Limitations	<p>Air bubbles were noted in the pump discharge line suggesting an air leak in the pump and/or natural out-gassing of the water. If the former was occurring, chemical parameters sensitive to dissolved oxygen may be perturbed from in situ conditions.</p> <p>Analytical results for all chemical parameters of concern in all laboratory QC samples (method blanks, laboratory control spikes, laboratory control spike duplicates, matrix spikes, and matrix spike duplicates) met standard laboratory QC specifications.</p> <p>Relative percent difference values (RPDs) between the blind duplicate sample (field QA sample) and the original sample from NC-EWDP-22PA are generally less than 30% (an acceptable value) for most analytes. Higher RPD values found for a number of analytes present at low concentrations (e.g. trace metals) were not unexpected and do not necessarily indicate field or laboratory error. However, an unacceptably high RPD for sulfate (136%) suggests field and/or laboratory error.</p>					
Governing QA Docs.	TP-8.1, Rev 2					
Frequency						

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Direct Questions

About Data

To-

Nye County QA Records Center