

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
5434	Gilmore	NYE	Qarc	NYE	10P	NC-EWDP-10P 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-10P Water Geochemistry Data Analyzed by NEL Laboratories					
Description of Data	Water geochemistry data from water obtained 8/27/02 during EWDP-10P sampling event. Data is included for the following water samples: GWS 0010 - 10P shallow zone; GWS 0011 - 10P deep zone; GWS 0018 - pump rinsate collected at 10P; and GWS 0020 - field blank collected at 10P. Included in the data package: case narrative; analytical results direct from database; original transfer of custody form; analytical QC summary report; and processed data in excel format.					
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-10P					
Data Collection Period(s)	8/27/02					
Data Source(s)	NEL Laboratories, Las Vegas, NV. Refer to RID 5194 for field chemistry parameters.					
Data Censuring	GWS 0018 - pump rinsate collected at 10P is censored because rinses were performed using Garlic Well water (potable water) rather than deionized water. Consequently, rinsate samples have Garlic Well chemistry and analytical results are inconclusive regarding contamination from the pump/hose system.					
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, parameters sensitive to dissolved oxygen may be perturbed from in situ conditions.</p> <p>With one exception, 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. Matrix spike recovery of sulfate in 1 of 4 matrix spike QC samples associated with GWS 0010 and GWS 0018 did not meet laboratory QC specifications.</p> <p>In addition, the results of field blank (field QA sample) analyses showed concentrations of several metals and chloride above instrument detection levels suggesting the possibility of slight contamination of groundwater samples from the atmosphere (e.g. dust), preservatives, and/or bottle preparation.</p> <p>See "Data Censuring" for data limitations for GWS 0018 - pump rinsate sample.</p>					

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Governing QA Docs.	TP-8.1 Rev. 2					
Frequency of Transmittal	As required by PI					
Direct Questions About Data To-	Nye County QA Records Center					