

# Technical Data Information Report

RID Number	Transmitter	Transmitter Organization	Receiver	Receiver Organization	Keyword 1
7966.00	McRae	Nye County NWRPO	QARC	Nye County NWRPO	GWE

Document Date	8/23/2011	General Document Type	QA Program Doc	Keyword 2	Groundwater
Entry Date	8/31/2011	Detail Document Type	Data	Keyword 3	Chemistry
Document Title/Subject	Ground Water Chemistry Results including Major Ions, Nutrients, and Metals from ACZ Laboratories, Inc.; SIRA of Nitrogen in Nitrate, Tritium from Isotech Laboratory; Gross Alpha and Gross Beta, Radium, and Uranium from Radiation Safety Engineering Inc., and SIRA of carbon in TDIC, Radiocarbon (C-14) from Beta Analytic.				
Data Originator/Preparer	Tony Antalek, Michael Meglemre, Steve Pelphrey, Darden Hood.				
Data Description	Ground Water Chemistry Analyses including Major Ions, Nutrients, and Metals from ACZ Laboratories, Inc., SIRA of Nitrogen in Nitrate from Isotech Laboratory, Gross Alpha and Gross Beta from RSE, for wells: NC-GWE-PV- 1, -PV-2, -PV-3, -8PA, -Felderhoff-25-1PA, -3PA, GF-4, GF-4PA, -2P, -OV-1, -OV-2, National Park Service AM-0501 (GF-1), and Inyo BLM #1, and springs NC-GWE-OV-1 North Spring, -OV-1 South Spring, and Duplicates: NC-GF1-D for NC-GWE-OV-1, -3D for -PV-3, -D2 for -2P, -D8 for -8PA, -GF-02D for -GF-3PA, NC-AM-D1 for AM-0501 (GF-1), -55D for Inyo BLM-#1 and Blanks: NC-GWE-3B for NC-GWE-PV-3, -B2 for -2P, -B8 for -8PA, GF-01B for -3PA, NC-AM-1B for AM-0501 (GF-1), -B29 for Inyo BLM #1. SIRA of carbon in TDIC, Radiocarbon (C-14) from Beta Analytic for wells: NC-GWE-OV-1, NC-GF1-D, OV-1 South Spring and OV-1 North Spring. Package includes chain of custody forms and original lab reports. Original lab reports are posted to the NWRPO website as rid7966.zip.				
Data Collection Method	Ground water was pumped during a step flow test from the wells or flowed from the springs. Samples were collected, processed, and shipped to the testing laboratories.				
Data Collection Location	Wells NC-GWE-PV-1, -PV-2, PV-3, -8PA, -Felderhoff-25-1PA, -GF-3PA, -GF-4, -GF-4PA, -2P, -OV-1, -OV-2, National Park Service well AM-0501 (GF-1) and Inyo BLM #1 with pump set approximately 50 ft below standing water level and springs NC-GWE-OV-1 North Spring, -OV-1 South Spring collected at surface.				
Data Collection Period	3/21/2011 - 6/23/2011				
Data Sources	Lab analyses from ACZ Laboratories, Inc., Steamboat Springs, CO; Radiation Safety Engineering, Inc., Chandler, AZ; and Isotech Laboratory, Champagne, IL. Beta Analytic Inc., Miami, FL. Supporting Data: Scientific Notebook # 178 (pages 7-9, 20-43, 48-74, 79-96) for field Notes.				
Data Censoring	None				
Data Processing	Original data are processed into Excel spreadsheets of Acrobat .pdf files by laboratories.				
Data Limitations	SIRA of Nitrogen in Nitrate analyses not run due to low concentration on wells: NC-GWE-PV2, -PV3, -8PA, -Felderhoff-25-1PA, -3PA, GF-4, GF-4PA, -OV-1, -OV-2, AM-0501 (GF-1), and Inyo BLM #1, and springs NC-GWE-OV-1 North Spring, -OV-1 South Spring. RSE Lab analyzed samples GWS0281 and GWS0283 which was a duplicate sample for GWS0281 for Alpha and had results of 19 and 7.7 respectively. No final report was generated for these analyses. They thought it was due to GWS0281 being more turbid. They re-analyzed the samples with results of 10.7 and 7.7 and generated a report. For tritium analyses, samples GWS0277 and GWS0279 were combined as GWS0279 is a duplicate for GWS0277 to obtain necessary volume, and GWS0283 and GWS0288 were not analyzed due to insufficient volume. Relative percent difference (RPD) between the blind field duplicate samples (field QA sample) and the original samples are less than 30% (an acceptable value) for analytes. The quality assurance objective for field blanks (result < reporting limit) were				

met with the following exceptions: GWS0267 for Aluminum, Calcium, Iron, Lead, Silica, Sodium, Bicarbonate as CaCO<sub>3</sub>, Carbonate as CaCO<sub>3</sub>, Residue, Filterable (TDS) @180C, and Total Alkalinity; GWS0270 for Aluminum, Iron, Lead, Sodium, Residue, and Filterable (TDS) @180C; GWS0275 for Aluminum, Iron, Lead, Sodium, Titanium, Residue, and Filterable (TDS) @180C; GWS0278 for Aluminum, Barium, Iron, Lead, Sodium, Titanium, Residue, and Filterable (TDS) @180C; GWS0282 for Aluminum, Iron, Lead, Sodium, Titanium, Residue, and Filterable (TDS) @180C; GWS0287 for Aluminum, Sodium, Bromide; GWS0291 for Aluminum, Barium, Lead, Phosphorus, Residue, and Filterable (TDS) @180C.

Governing QA Docs: TP-8.1, Rev. 3

Frequency of Transmittal As necessary

Direct Questions About Data To: NWRPO QA Records Center