

Water Analysis

Lab Number: 214273

Job Number: 15618

Submitter Sample Name: GWS0276

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-Felderhoff-25-1PA

Container Type: Amber Bottle

Sample Collected: 5/12/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214274

Job Number: 15618

Submitter Sample Name: GWS0277 / GWS0279

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-D8 & NC-GWE-8PA

Container Type: 125ml bottle

Sample Collected: 5/17/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214275

Job Number: 15618

Submitter Sample Name: GWS0280

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-OV-2

Container Type: Amber Bottle

Sample Collected: 5/19/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214276

Job Number: 15618

Submitter Sample Name: GWS0281

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-GF-3PA

Container Type: Amber Bottle

Sample Collected: 5/24/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214277

Job Number: 15618

Submitter Sample Name: GWS0284

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-GF-4PA

Container Type: Amber Bottle

Sample Collected: 5/26/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214278

Job Number: 15618

Submitter Sample Name: GWS0285

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-GF-4

Container Type: Amber Bottle

Sample Collected: 5/31/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214279

Job Number: 15618

Submitter Sample Name: GWS0286

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: AM-0501 (GF-1)

Container Type: Amber Bottle

Sample Collected: 6/09/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214280

Job Number: 15618

Submitter Sample Name: GWS0289

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: Inyo BLM #1

Container Type: Amber Bottle

Sample Collected: 6/21/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Water Analysis

Lab Number: 214281

Job Number: 15618

Submitter Sample Name: GWS0290

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation: NC-GWE-55D

Container Type: Amber Bottle

Sample Collected: 6/21/2011

Results Reported: 8/04/2011

 δ D of water ----- na $\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- < 1.00 TU

 $\delta^{13}\text{C}$ of DIC ----- na ^{14}C content of DIC ----- na $\delta^{15}\text{N}$ of nitrate ----- na $\delta^{18}\text{O}$ of nitrate ----- na $\delta^{34}\text{S}$ of sulfate ----- na $\delta^{18}\text{O}$ of sulfate ----- na

Remarks:

Isotech Water Data
Job 15587
Nye County Groundwater Evaluation Program

Isotech Lab No.	Sample Name	Sample Date	Sample Time	Comments
214079	GWS0289 / Inyo BLM #1	6/21/2011	10:38	* Due to low nitrate concentration, no isotope data will be available
214080	GWS0290 / NC-GWE-55D	6/21/2011	10:38	* Due to low nitrate concentration, no isotope data will be available

Water Analysis

Lab Number: 211846 Job Number: 15358

Submitter Sample Name: GWS0280 / NC-GWE-OV-2

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/19/2011 Results Reported: 6/03/2011

δ D of water ----- na

$\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- na

$\delta^{13}\text{C}$ of DIC ----- na

^{14}C content of DIC ----- na

$\delta^{15}\text{N}$ of nitrate ----- na

$\delta^{18}\text{O}$ of nitrate ----- na

$\delta^{34}\text{S}$ of sulfate ----- na

$\delta^{18}\text{O}$ of sulfate ----- na

Remarks: * Due to low nitrate concentration, no isotope data will be available

Water Analysis

Lab Number: 211847 Job Number: 15358

Submitter Sample Name: GWS0281 / NC-GWE-GF-3PA

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/24/2011 Results Reported: 6/03/2011

δ D of water ----- na

$\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- na

$\delta^{13}\text{C}$ of DIC ----- na

^{14}C content of DIC ----- na

$\delta^{15}\text{N}$ of nitrate ----- na

$\delta^{18}\text{O}$ of nitrate ----- na

$\delta^{34}\text{S}$ of sulfate ----- na

$\delta^{18}\text{O}$ of sulfate ----- na

Remarks: * Due to low nitrate concentration, no isotope data will be available

Water Analysis

Lab Number: 211848 Job Number: 15358

Submitter Sample Name: GWS0283 / NC-GWE-GF-02D

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/24/2011 Results Reported: 6/03/2011

δ D of water ----- na

$\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- na

$\delta^{13}\text{C}$ of DIC ----- na

^{14}C content of DIC ----- na

$\delta^{15}\text{N}$ of nitrate ----- na

$\delta^{18}\text{O}$ of nitrate ----- na

$\delta^{34}\text{S}$ of sulfate ----- na

$\delta^{18}\text{O}$ of sulfate ----- na

Remarks: * Due to low nitrate concentration, no isotope data will be available

Water Analysis

Lab Number: 211507 Job Number: 15309

Submitter Sample Name: GWS0276 / NC-GWE-Felderhoff-25-1PA

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/12/2011 Results Reported: 6/03/2011

δ D of water ----- na

$\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- na

$\delta^{13}\text{C}$ of DIC ----- na

^{14}C content of DIC ----- na

$\delta^{15}\text{N}$ of nitrate ----- na

$\delta^{18}\text{O}$ of nitrate ----- na

$\delta^{34}\text{S}$ of sulfate ----- na

$\delta^{18}\text{O}$ of sulfate ----- na

Remarks: * Due to low nitrate concentration, no isotope data will be available

Water Analysis

Lab Number: 211508 Job Number: 15309

Submitter Sample Name: GWS0277 / NC-GWE-8PA

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/17/2011 Results Reported: 6/03/2011

δ D of water ----- na

$\delta^{18}\text{O}$ of water ----- na

Tritium content of water ----- na

$\delta^{13}\text{C}$ of DIC ----- na

^{14}C content of DIC ----- na

$\delta^{15}\text{N}$ of nitrate ----- na

$\delta^{18}\text{O}$ of nitrate ----- na

$\delta^{34}\text{S}$ of sulfate ----- na

$\delta^{18}\text{O}$ of sulfate ----- na

Remarks: * Due to low nitrate concentration, no isotope data will be available

Water Analysis

Lab Number: 211509

Job Number: 15309

Submitter Sample Name: GWS0279 / NC-GWE-D8

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Nye Co. Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/17/2011

Results Reported: 6/03/2011

δ D of water	-----	na
$\delta^{18}\text{O}$ of water	-----	na
Tritium content of water	-----	na
$\delta^{13}\text{C}$ of DIC	-----	na
^{14}C content of DIC	-----	na
$\delta^{15}\text{N}$ of nitrate	-----	5.2 ‰ relative to Air
$\delta^{18}\text{O}$ of nitrate	-----	na
$\delta^{34}\text{S}$ of sulfate	-----	na
$\delta^{18}\text{O}$ of sulfate	-----	na

Remarks:

Water Analysis

Lab Number: 210860 Job Number: 15266

Submitter Sample Name: GWS0272 / NC-GWE-PV-1

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/03/2011 Results Reported: 6/03/2011

δ D of water	-----	na
$\delta^{18}\text{O}$ of water	-----	na
Tritium content of water	-----	na
$\delta^{13}\text{C}$ of DIC	-----	na
^{14}C content of DIC	-----	na
$\delta^{15}\text{N}$ of nitrate	-----	5.8 ‰ relative to Air
$\delta^{18}\text{O}$ of nitrate	-----	na
$\delta^{34}\text{S}$ of sulfate	-----	na
$\delta^{18}\text{O}$ of sulfate	-----	na

Remarks:

Water Analysis

Lab Number: 210861

Job Number: 15266

Submitter Sample Name: GWS0273 / NC-GWE-2P

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/10/2011

Results Reported: 6/03/2011

δ D of water	-----	na
$\delta^{18}\text{O}$ of water	-----	na
Tritium content of water	-----	na
$\delta^{13}\text{C}$ of DIC	-----	na
^{14}C content of DIC	-----	na
$\delta^{15}\text{N}$ of nitrate	-----	3.8 ‰ relative to Air
$\delta^{18}\text{O}$ of nitrate	-----	na
$\delta^{34}\text{S}$ of sulfate	-----	na
$\delta^{18}\text{O}$ of sulfate	-----	na

Remarks:

Water Analysis

Lab Number: 210862 Job Number: 15266

Submitter Sample Name: GWS0274 / NC-GWE-D2

Submitter Sample ID:

Submitter Job #:

Company: Nye County Repository

Field or Site: Groundwater Evaluation Program

Location:

Depth/Formation:

Container Type: 1 Liter Plastic Bottle

Sample Collected: 5/10/2011 Results Reported: 6/03/2011

δ D of water	-----	na
$\delta^{18}\text{O}$ of water	-----	na
Tritium content of water	-----	na
$\delta^{13}\text{C}$ of DIC	-----	na
^{14}C content of DIC	-----	na
$\delta^{15}\text{N}$ of nitrate	-----	4.2 ‰ relative to Air
$\delta^{18}\text{O}$ of nitrate	-----	na
$\delta^{34}\text{S}$ of sulfate	-----	na
$\delta^{18}\text{O}$ of sulfate	-----	na

Remarks:

Isotech Water Data
 Job 14945
 Groundwater Evaluation Program

Isotech	Sample	Sample	Sample	Analysis	$\delta D \text{ H}_2O$	$\delta^{18}O \text{ H}_2O$	$\delta^{15}N \text{ NO}_3^-$	Comments
Lab No.	Name	Date	Time	Date	‰	‰	‰	
206277	GWS0263 / NC-GWE-OV-1	3/21/2011	13:05	3/29/2011	-109.9	-13.67	*	
206278	GWS0264 / NC-GF1-D	3/21/2011	13:05	3/29/2011	-109.4	-14.13	*	
206279	GWS0265 / OV-1 South Spring	3/21/2011	15:18	3/29/2011	-110.3	-13.83	*	
206280	GWS0266 / OV-1 North Spring	3/21/2011	11:30	3/29/2011	-104.8	-13.11	*	

* Due to low nitrate concentration, no isotope data will be available