OFF Site: White Rock Canyon Spring Water

Environment, Safety & Health
University of California
Environment, Safety and Health Division
Water Quality and Hydrology Group (ESH-18), MS K497
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Los Alamos, New Mexico 87544
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Date: March 1, 2002
Refer to: ESH-18/WQ&H:02-045

Mr. John Young
Permits Management Program
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303

SUBJECT: RESPONSE TO REQUEST FOR DATA FROM 2001 ENVIRONMENTAL MONITORING AND SURVEILLANCE SAMPLING ACTIVITIES

Dear Mr. Young:

This letter is in response to the New Mexico Environment Department's (NMED) December 19, 2001, letter to Dr. John Browne of the University of California (UC) and Mr. David Gurule of the Department of Energy (DOE) requesting environmental monitoring and surveillance sampling data from 2001. Please note that the Acting Director of DOE's Los Alamos Site Office is now Mr. Corey Cruz.

Please be assured that UC and DOE are committed to be fully compliant with all laws, regulations, and permits applicable to Los Alamos National Laboratory. In addition, UC and DOE routinely provide significant amounts of data and other information that is not required, to NMED on a voluntary basis. We understand that if the NMED determines that the Laboratory's current monitoring program, which is conducted for the DOE Order-driven Environmental Surveillance Program, is not sufficient that there is a formal modification process under the Laboratory's Hazardous Waste Permit to change or add requirements. Accordingly, we are responding to your letter in a voluntary spirit of cooperation rather than pursuant to formal permit requirements.

- Paragraph 1 requests "analytical data from all calendar year (CY) 2001 White Rock Canyon sampling event(s). The response should include data from any quality assurance and quality control samples collected during the sampling events(s), all field parameters collected and should indicate the analytical laboratory that provided the data".

4131

Copies of the analytical data from the White Rock Canyon sampling events conducted in CY 2001 are enclosed. This analytical data is also available to NMED and the public through the Laboratory's Water Quality and Hydrology Group's (ESH-18) Data Base. (Please see http://wqdbworld.lanl.gov). The Water Quality Data Base includes all Quality Assurance samples and results, and identifies the individual laboratories conducting the analyses. A demonstration of the Water Quality Data Base was recently provided at the Hydrogeologic Workplan Quarterly Meeting held on January 30, 2002, which you and other NMED staff attended. A number of different formats and tables may be generated from the Water Quality Data Base. Please advise if we can assist you or others at NMED with the specific formatting and tables available through the Water Quality Data Base. The Water Quality and Hydrology Group (ESH-18) is currently working with NMED/DOE Oversight Bureau personnel in providing data base assistance. We are also developing screening and other tools which we will make available to the NMED for your use. Field notebooks containing field parameters and other information will be made available for your review at your convenience.

- Paragraph 2 refers to the detection of perchlorate "in Spring 4 in two sampling events during CY 2000" and states that "NMED should have been formally notified of these detections".

The apparent detection of perchlorate in Spring 4 was during one sampling event in CY 2000 (September 25th) as noted in the Annual Environmental Surveillance Report. This information was also accessible from the Water Quality Data Base. As you know, there is considerable discussion at present over whether the analytical techniques used for analysis of perchlorate have problems with matrix interference and are capable of reliably detecting it at very low concentrations. It appears that results reported by some of the analytical laboratories for perchlorate may have been influenced by analytical methodology problems and are not true detections. Recent results from General Engineering Laboratories, which performed some of the measurements in question, indicate that they have modified their analytical process to further eliminate matrix interference. This interference caused false positives in the 4 to 20 ppb range in data analyzed prior to April 25, 2001. A reanalysis of the second Spring 4 sample collected on March 9, 2001, resulted in a non-detection of perchlorate when the revised analytical methodology was employed.

As you also know, the Laboratory collected additional samples from springs in this area in September, 2001. The Laboratory, the EPA, and the NMED/DOE Oversight Bureau resampled these springs on November 1, 2001. All the results from the General Engineering Laboratories were non-detections for perchlorate. Results from the Acculabs Analytical Laboratory might be interpreted as low-level detections. However, their analytical technique is experimental and not yet EPA-approved. Their detection limits are not supported by the results of the quality control samples that the Laboratory has discussed with the NMED and with the Citizen's Advisory Board Monitoring and Surveillance Committee. Most recently, perchlorate analytical methods were discussed at a DOE-sponsored meeting on February 20, 2002, attended by DOE, Laboratory and NMED staff. Detection limits and uncertainties related to perchlorate analytical methods continue to be investigated by state and federal agencies, and by analytical laboratory staff.

- Paragraph 2 also asks for notification by telephone "within twenty-four (24) hours of discovery and in writing within fifteen (15) days of discovery" of any contaminants where these contaminants had not previously been identified, or where the contaminant levels are increasing. It also applies this notification requirement to any contaminant.

We understand that the 24 hour/15 day notification is required under the Laboratory's Hazardous Waste Permit, and it is limited to "any noncompliance which may endanger health or the environment". The regulation gives examples such as the release of a hazardous waste that may cause an endangerment to public drinking water supplies, or the release or discharge of hazardous waste from an explosion or fire from a hazardous waste management facility, which could threaten the environment or human health outside the facility. The detection of a contaminant in a new place or in an increased concentration is not, without additional facts, a "noncompliance which may endanger health or the environment".

Other notification requirements in the Laboratory's Hazardous Waste Permit include notifying NMED when a release of hazardous waste (including hazardous constituents) is identified in which there is a "statistically significant increase over the background data for the media of concern". Because perchlorate is not a hazardous waste or a hazardous constituent, a "release" by the permit's definition would not apply. In the case of perchorate, no drinking water standards or other standards have yet been established by EPA or NMED. Also, given the degree of uncertainty as to the presence of perchlorate at all, the determination that a "statistically significant increase over background data" had occurred would require additional information.

We agree that detections of new contaminants in groundwater or in springs as an indication of potential pathways from legacy sites or current operations should be thoroughly investigated. This is one of the objectives of the Laboratory's Environmental Surveillance Program. In order to address your request regarding reporting of contaminants, notification will be provided to the Hazardous Waste Bureau when contaminants are detected in new places or in increased amounts through the Laboratory's Water Quality and Hydrology Group's (ESH-18) Water Quality Data Base. Our goal will be to post all Environmental Surveillance data on our Web site within 60 days of sample collection assuming analytical results are received within a timely manner and there are no difficulties with the record sets received from the analytical laboratories. Data will be posted prior to data validation and quality assurance. The data will be marked "provisional" in the Data Base until validation and quality assurance are completed.

The Laboratory will continue to comply with the reporting requirements of all regulations and permit conditions. However, the 24 hour/15 day notification requirement should not be triggered by the receipt of analytical laboratory results from Spring 4, particularly doubtful ones, of a substance that is not a hazardous waste and not a hazardous constituent, not in a public drinking water supply, not causing imminent danger to public health or the environment, and not the result of a fire or explosion, etc. As your letter notes, the Laboratory has made this information available to your office by posting it on the Water Quality and Hydrology Group's (ESH-18) Web site.

- Paragraph 3 asks for global positioning system locations for "all spring, groundwater, surface water and sediment sampling locations", and that such locations be monumented.

The Laboratory's Water Quality and Hydrology Group (ESH-18) has established such GPS locations, which are continually updated, and has monumented the sampling locations. Some locations are not monumented where public use or other conditions restrict monument placement. We continually reevaluate and, if appropriate, replace these monuments and locations. We regret any past confusion over the location of Spring 4 and related discharge sites. We have scheduled a meeting with the NMED/DOE Oversight Bureau for March 5, 2002, and we will review the GPS locations and monumenting of sampling sites at this time to assure that they have the most current information. DOE security requirements prevent us from making this GPS information available on the Water Quality and Hydrology Group's (ESH-18) Web site at the present time.

- Paragraph 4 describes sampling procedures with regard to samples to be taken "as close to the source as possible".

The Laboratory's Water Quality and Hydrology Group (ESH-18) follows the suggested protocol in most cases. In some cases, however, a more representative sample can be obtained downstream where mud and sediment can be avoided, and more flow is available which represents the majority of the flow issuing from the spring.

- Paragraph 5 requests that the data which is reported in the Annual Environmental Surveillance Report be made available to the NMED and the public by "March 31 of the calendar year following data collection".

Through the use of the Water Quality Data Base, the Laboratory is currently meeting this request. We are making the requested data available to the NMED and to the public generally within 60 days of sample collection, which is much earlier than March 31st of the following year. The Laboratory's Hazardous Waste Permit currently prescribes the documentation of this data annually and does not specify a delivery date. The Annual Environmental Surveillance Report is a DOE Order-driven document and includes not only the requested data but interpretation and documentation of impacts including dose calculations. The requested data is not fully validated and quality assured until published and approved by DOE. The deadline for peer review, approval and publication of the Annual Surveillance report is October 1st of the following year.

Please contact Steven Rae of the Laboratory's Water Quality and Hydrology Group (ESH-18) at 665-1859 or Gene Turner of DOE's Office of Los Alamos Site Operations at 667-5794 if additional information would be helpful. We will arrange for the appropriate staff to be available to discuss and further address any of the issues covered in your letter of December 19, 2001. Please be assured that we are committed to meeting all regulatory requirements and fully cooperating with the NMED on all voluntary requests.

Sincerely,

Steven Rae
Group Leader
Water Quality and Hydrology Group (ESH-18)
Los Alamos National Laboratory

Sincerely,

Joe Vozella
Associate Director for Facility Operations
Office of Los Alamos Site Operations
U.S. Department of Energy

SR/tml

Attachments: a/s

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WQ&H File, w/att., MS K497
IM-5, w/att., MS A150

Radiochemical Analysis of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	H-3 pCi/L Result	H-3 pCi/L Uncert	H-3 pCi/L MDA	H-3 pCi/L LQC	Sr-90 pCi/L Result	Sr-90 pCi/L Uncert	Sr-90 pCi/L MDA	Sr-90 pCi/L LQC	Cs-137 pCi/L Result	Cs-137 pCi/L Uncert	Cs-137 pCi/L MDA	Cs-137 pCi/L LQC
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC	-55	55	186	U	0.116	0.0699	0.226	U	-0.641	0.821	2.74	U
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC	-81.5	53.6	184	U	0.128	0.0872	0.283	U	-0.808	0.8	2.71	U
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC	-82.4	54.2	186	U	-0.0317	0.0819	0.279	U	0.169	0.733	2.61	U
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	0	56.9	187	U	0.0115	0.0768	0.259	U	0.863	1.33	2.74	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC	-108	52.2	182	U	0.108	0.1	0.33	U	1.25	0.675	2.62	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	DUP	GELC					0.0636	0.0671	0.222	U				
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	-137	52.6	186	U	0.258	0.0879	0.26	U	1.22	1.15	4.17	U
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC												

Matrix	WS	Surface Water
Field Prep	UF	not filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

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Set 1

Radiochemical Analysis of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	U-234 pCi/L Result	U-234 pCi/L Uncert	U-234 pCi/L MDA	U-234 pCi/L LQC	U-235,236 pCi/L Result	U-235,236 pCi/L Uncert	U-235,236 pCi/L MDA	U-235,236 pCi/L LQC	U-238 pCi/L Result	U-238 pCi/L Uncert	U-238 pCi/L MDA	U-238 pCi/L LQC
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC	0.834	0.084	0.0496		0.0662	0.02	0.0446		0.59	0.0649	0.0304	
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC	0.728	0.069	0.0277		0.0838	0.0169	0.00811		0.433	0.0472	0.0277	
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC	0.679	0.0708	0.0364		0.0236	0.0137	0.0424	U	0.298	0.0405	0.0289	
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	0.151	0.0246	0.00887		0.0197	0.0105	0.0305	U	0.0851	0.0183	0.0241	
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC	0.0633	0.0198	0.0496		-0.0141	0.0123	0.0559	U	-0.00703	0.0132	0.0558	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	DUP	GELC	0.03	0.0159	0.0533	U	-0.00361	0.00362	0.0328	U	0.0167	0.0138	0.0533	U
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	0.0717	0.018	0.0278		0.0227	0.0108	0.0279	U	0.0226	0.012	0.035	U
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC												

Matrix	WS	Surface Water
Field Prep	UF	not filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

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Radiochemical Analysis of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Pu-238 pCi/L Result	Pu-238 pCi/L Uncert	Pu-238 pCi/L MDA	Pu-238 pCi/L LQC	Pu-239,240 pCi/L Result	Pu-239,240 pCi/L Uncert	Pu-239,240 pCi/L MDA	Pu-239,240 pCi/L LQC
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC	0	1	0.0236	U	0.0064	0.00641	0.0235	U
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC	0	1	0.00707	U	0.0156	0.00742	0.0192	U
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC	-0.00691	0.0049	0.0321	U	0.0276	0.0155	0.0487	U
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	-0.00606	0.0043	0.0281	U	0.0121	0.0113	0.0397	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC	0	1	0.00871	U	0	1	0.0346	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	DUP	GELC	-0.00353	0.0106	0.0463	U	0.00706	0.00707	0.026	U
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	0.0175	0.00789	0.0095		0.0105	0.00609	0.00949	
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC								

Matrix	WS	Surface Water
Field Prep	UF	not filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

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Radiochemical Analysis of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Am-241 pCi/L Result	Am-241 pCi/L Uncert	Am-241 pCi/L MDA	Am-241 pCi/L LQC	GROSSA pCi/L Result	GROSSA pCi/L Uncert	GROSSA pCi/L MDA	GROSSA pCi/L LQC	GROSSB pCi/L Result	GROSSB pCi/L Uncert	GROSSB pCi/L MDA	GROSSB pCi/L LQC
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC	-0.009	0.0101	0.0423	U	3.2	0.489	0.935		6.02	0.314	0.632	
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC	0.0124	0.00981	0.0333	U	2.82	0.57	1.23		6.37	0.365	0.852	
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC	0.0302	0.0121	0.0277		1.42	0.419	1.12		0.901	0.382	1.22	U
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	0	1	0.0407	U	0.719	0.38	1.26	U	2.16	0.363	1.04	
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC	0.0282	0.0123	0.0328	U	0.162	0.361	1.25	U	1.69	0.404	1.23	
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	DUP	GELC	0.0333	0.0127	0.0129									
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	0.0295	0.0113	0.0114		0.0357	0.305	1.45	U	2.55	0.381	1.04	
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC												

Matrix	WS	Surface Water
Field Prep	UF	not filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

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Date	Sample Id	Location	Matrix	FP	LSTC	Lab	TSS mg/L Sym	TSS mg/L Result	TSS mg/L LQC
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC		132	
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC		116	
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC		0.909	J
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	<	0.659	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC		1.2	J
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	DUP	GELC			
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	<	1.4	U
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC		1.6	J

Matrix	WS	Surface Water
Field Prep	UF	not filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

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Radiochemical Analysis of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	H-3 pCi/L Result	H-3 pCi/L Uncert	H-3 pCi/L MDA	H-3 pCi/L LQC	Sr-90 pCi/L Result	Sr-90 pCi/L Uncert	Sr-90 pCi/L MDA	Sr-90 pCi/L LQC	Cs-137 pCi/L Result	Cs-137 pCi/L Uncert	Cs-137 pCi/L MDA	Cs-137 pCi/L LQC	U-234 pCi/L Result	U-234 pCi/L Uncert	U-234 pCi/L MDA
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC					0.0512	0.0709	0.272	U	-0.057	0.652	2.29	U	0.519	0.0708	0.0798
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC					0.114	0.0656	0.242	U	-0.288	0.584	2.06	U	0.361	0.0538	0.0446
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC	-110	53.5	186	U											
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC	-109	52.9	184	U											
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC					0.0084	0.0748	0.291	U	-0.929	0.643	2.17	U	1.02	0.108	0.0822
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC	-109	52.9	184	U											
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC					-0.0504	0.0945	0.37	U	0.305	0.701	2.44	U	0.0913	0.0274	0.0851
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC	-135	51.7	183	U											
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC	-108	52.6	183	U											
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC					-0.0296	0.0658	0.259	U	0.374	0.727	2.26	U	0.462	0.0645	0.0685
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC					0.048	0.0714	0.273	U	0.699	0.731	2.73	U	0.67	0.0788	0.0423
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC					-0.0715	0.0826	0.324	U	-0.567	0.714	2.43	U	0.56	0.0675	0.0481
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC	-79.5	52.3	179	U											
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC					0.0176	0.0706	0.275	U	1.22	1.53	2	U	0.455	0.0592	0.0145
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC	-110	53.6	187	U											
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC					0.3	0.0865	0.221		0.314	1.21	4.75	U	0.191	0.0245	0.016
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC					0.111	0.0606	0.191	U	0.724	1.21	4.7	U	0.178	0.029	0.0446
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC	-53.8	49.1	167	U											
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC	-26.6	49.3	165	U											
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC	-27.4	55.5	185	U											
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC					0.0883	0.0789	0.297	U	1.14	0.885	3.23	U	0.592	0.0747	0.0733
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC	-136	52.2	184	U											
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC					-0.0454	0.0558	0.22	U	0.47	0.744	2.77	U	0.135	0.0295	0.0502
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC	-138	52.8	186	U											
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC					-0.0624	0.0721	0.285	U	0.0445	0.609	2.18	U	1.28	0.128	0.0984
09-24-01	GF01091G1SW	Spring 1	WG	F	DUP	GELC															
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC	-129	49.3	174	U											
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC					0.0253	0.0856	0.332	U	0.0061	0.628	2.19	U	0.67	0.0781	0.0412
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC	-186	50.8	184	U											
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC					0.174	0.1	0.367	U	-0.927	1.21	4.24	U	5.42	0.4	0.0365

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.

PROVISIONAL

Set 2

Radiochemical Analysis of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	U-235,236 pCi/L Result	U-235,236 pCi/L Uncert	U-235,236 pCi/L MDA	U-235,236 pCi/L LQC	U-238 pCi/L Result	U-238 pCi/L Uncert	U-238 pCi/L MDA	Pu-238 pCi/L Result	Pu-238 pCi/L Uncert	Pu-238 pCi/L MDA	Pu-238 pCi/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	0.0567	0.0207	0.049		0.239	0.0435	0.018	0.00245	0.00245	0.00663	U
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	0.0335	0.0154	0.0447	U	0.23	0.0416	0.0562	0.00733	0.00425	0.00662	
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC											
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC											
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	0.0762	0.0229	0.0543		0.513	0.0665	0.0541	0.00965	0.00765	0.026	U
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC											
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	0.00702	0.0158	0.096	U	-0.00507	0.0133	0.0958	0.00334	0.00334	0.00904	U
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC											
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC											
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	0.0352	0.0161	0.047	U	0.286	0.0475	0.0172	0.00626	0.00468	0.0154	U
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	0.00305	0.00637	0.0424	U	0.282	0.0456	0.0534	-0.0023	0.00399	0.0214	U
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	0.0341	0.0155	0.056	U	0.319	0.0469	0.0382	0.074	0.015	0.0195	
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC											
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	0.0378	0.0159	0.0499	U	0.196	0.0356	0.0394	0	1	0.00677	U
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC											
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	0.0087	0.00618	0.0202	U	0.0802	0.015	0.0201	0.0114	0.00905	0.0307	U
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC					0.0778	0.0184	0.0367	0.00279	0.00623	0.0259	U
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC											
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC											
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC											
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	0.0279	0.016	0.0659	U	0.284	0.0467	0.0449	0.00803	0.006	0.0197	U
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC											
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	0.0325	0.0135	0.0147		0.0867	0.0234	0.0502	0.00226	0.00392	0.0167	U
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC											
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	0.0764	0.0319	0.139	U	0.584	0.0738	0.0936	0.0053	0.00376	0.00718	U
09-24-01	GF01091G1SW	Spring 1	WG	F	DUP	GELC											
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC											
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	0.031	0.0142	0.0414	U	0.37	0.0532	0.052	0.0049	0.0049	0.018	U
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC											
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	0.241	0.0324	0.0452		3.54	0.267	0.019	0.00538	0.00381	0.00728	U

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.

PROVISIONAL

Radiochemical Analysis of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Pu-239,240 pCi/L Result	Pu-239,240 pCi/L Uncert	Pu-239,240 pCi/L MDA	Pu-239,240 pCi/L LQC	Am-241 pCi/L Result	Am-241 pCi/L Uncert	Am-241 pCi/L MDA	Am-241 pCi/L LQC	GROSSA pCi/L Result	GROSSA pCi/L Uncert	GROSSA pCi/L MDA	GROSSA pCi/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	-0.00734	0.00648	0.0321	U	0.0346	0.0106	0.00853		1	0.425	1.41	U
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	0.00977	0.00978	0.0344	U	0.00542	0.00543	0.0199	U	0.624	0.409	1.54	U
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC												
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC												
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	0.00965	0.00485	0.00653		0.0112	0.00562	0.00757		0.601	0.517	1.98	U
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC												
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	0.0133	0.0106	0.0359	U	0.0242	0.00867	0.0082		-0.118	0.203	1.08	U
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC												
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC												
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	-0.00208	0.00466	0.0224	U	0.0354	0.0118	0.0237		-0.251	0.313	1.68	U
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	0.00461	0.00565	0.0214	U	0.015	0.00939	0.03	U	-0.372	0.376	1.99	U
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	0.00264	0.00699	0.0284	U	0.0237	0.00849	0.00804		0.688	0.36	1.23	U
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC												
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	0.00499	0.00612	0.0232	U	0.027	0.00912	0.00812		1.18	0.457	1.25	U
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC												
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	6.8E-10	0.00699	0.0307	U	0.00586	0.00587	0.0216	U	0.9	0.4	1.45	U
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC	0.00279	0.00483	0.0205	U	0.0217	0.0126	0.039	U				
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC												
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC												
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC												
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	-0.0134	0.0111	0.0485	U	0.0216	0.00827	0.00838		0.491	0.44	1.68	U
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC												
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	0.00226	0.0109	0.041	U	0.0316	0.0102	0.0226		0.0913	0.347	1.64	U
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC												
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	0.00529	0.00375	0.00717	U	0.00881	0.00727	0.0284	U	1.59	0.626	2.16	U
09-24-01	GF01091G1SW	Spring 1	WG	F	DUP	GELC					0.0173	0.0087	0.0117					
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC												
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	0.00978	0.00601	0.018	U	0.0239	0.00856	0.00809		1.1	0.542	1.92	U
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC												
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	0.00269	0.00891	0.0352	U	0.019	0.011	0.0341	U	11.3	1.24	1.31	

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.

PROVISIONAL

Radiochemical Analysis of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	GROSSB pCi/L Result	GROSSB pCi/L Uncert	GROSSB pCi/L MDA
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	2.77	0.4	1.11
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	2.51	0.382	1.06
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC			
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC			
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	2.68	0.399	1.09
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC			
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	0.811	0.294	1.11
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC			
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC			
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	2.62	0.407	1.18
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	1.92	0.41	1.42
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	2.16	0.352	0.977
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC			
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	2.34	0.362	0.949
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC			
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	2.87	0.711	2.8
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC			
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC			
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC			
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC			
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	2.86	0.423	1.21
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC			
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	0.445	0.26	1.06
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC			
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	2.3	0.432	1.44
09-24-01	GF01091G1SW	Spring 1	WG	F	DUP	GELC			
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC			
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	1.26	0.398	1.52
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC			
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	7.4	0.827	2.53

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.

PROVISIONAL

Quality Assurance Sample Results for Radiochemical Analysis of Surface Water and Groundwater for 2001

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	H-3 pCi/L Result	H-3 pCi/L Uncert	H-3 pCi/L MDA	H-3 pCi/L LQC	Sr-90 pCi/L Result	Sr-90 pCi/L Uncert	Sr-90 pCi/L MDA	Sr-90 pCi/L LQC	Cs-137 pCi/L Result	Cs-137 pCi/L Uncert	Cs-137 pCi/L MDA	Cs-137 pCi/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC	-136	52	184	U								
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC	-83.5	54.9	188	U	0.12	0.0689	0.222	U	0.775	0.874	2.93	U
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	-79.2	49	169	U	0.14	0.0611	0.181	U	1.41	1.31	4.89	U
08-07-01	GU01081GKNB	DI Blank	UF	WG	CS	PEB	GELC					-0.0493	0.058	0.158	U				
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC					0.103	0.0574	0.182	U	3.03	1.41	5.83	U
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	0	50.3	166	U								

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample

PROVISIONAL

Set 3

Quality Assurance Sample Results for Radiochemical Analysis of Surface Water and Groundwater for 2001

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	U-234 pCi/L Result	U-234 pCi/L Uncert	U-234 pCi/L MDA	U-234 pCi/L LQC	U-235,236 pCi/L Result	U-235,236 pCi/L Uncert	U-235,236 pCi/L MDA	U-235,236 pCi/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC								
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC	0.0516	0.021	0.0653	U	-0.006	0.016	0.0774	U
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	-0.00244	0.00561	0.0333	U	0.00512	0.00657	0.03	U
08-07-01	GU01081GKNB	DI Blank	UF	WG	CS	PEB	GELC								
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	0.0136	0.01	0.0398	U	0.00757	0.00625	0.0244	U
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC								

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample

PROVISIONAL

Quality Assurance Sample Results for Radiochemical Analysis of Surface Water and Groundwater for 2001

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	U-238 pCi/L Result	U-238 pCi/L Uncert	U-238 pCi/L MDA	U-238 pCi/L LQC	Pu-238 pCi/L Result	Pu-238 pCi/L Uncert	Pu-238 pCi/L MDA	Pu-238 pCi/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC								
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC	0.0276	0.017	0.0607	U	-0.00982	0.00734	0.0393	U
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	0.00189	0.00791	0.0391	U	0	1	0.0128	U
08-07-01	GU01081GKNB	DI Blank	UF	WG	CS	PEB	GELC								
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	0.0184	0.00948	0.0308	U	0.00286	0.00495	0.021	U
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC								

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample

PROVISIONAL

Quality Assurance Sample Results for Radiochemical Analysis of Surface Water and Groundwater for 2001

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	Pu-239,240 pCi/L Result	Pu-239,240 pCi/L Uncert	Pu-239,240 pCi/L MDA	Pu-239,240 pCi/L LQC	Am-241 pCi/L Result	Am-241 pCi/L Uncert	Am-241 pCi/L MDA	Am-241 pCi/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC								
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC	-0.0131	0.00928	0.0461	U	0.0163	0.00823	0.0111	
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	0	1	0.0128	U	0.011	0.00588	0.0163	U
08-07-01	GU01081GKNB	DI Blank	UF	WG	CS	PEB	GELC								
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	0.00857	0.0064	0.021	U	0.0369	0.0107	0.0194	
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC								

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample

PROVISIONAL

Quality Assurance Sample Results for Radiochemical Analysis of Surface Water and Groundwater for 2001

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	GROSSA pCi/L Result	GROSSA pCi/L Uncert	GROSSA pCi/L MDA	GROSSA pCi/L LQC	GROSSB pCi/L Result	GROSSB pCi/L Uncert	GROSSB pCi/L MDA	GROSSB pCi/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC								
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC	0.208	0.296	1.28	U	0.321	0.311	1.34	U
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	-0.15	0.391	1.61	U	0.716	0.422	1.53	U
08-07-01	GU01081GKNB	DI Blank	UF	WG	CS	PEB	GELC								
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	0.804	0.386	1.51	U	0.849	0.57	2.48	U
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC								

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample

PROVISIONAL

Chemical Quality of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	SiO2 Silicon Dioxide mg/L Result	Ca Calcium mg/L Result	Mg Magnesium mg/L Result	K Potassium mg/L Result	Na Sodium mg/L Result	Cl(-1) Chloride mg/L Result	SO4(-2) Sulfate mg/L Result
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	19.4	36.4	6.94	2.25	15	3.15	47.4
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD							
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC							
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD							
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC	18.1	37.4	7.08	2.32	15.3	3.56	50.8
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS			FLD							
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC							
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS			FLD							
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	73.7	21.8	4.78	2.59	13	4.45	5.05
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS			FLD							
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC							
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	DUP	GELC							
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS			FLD							
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	77	12.7	3.27	1.89	10.9	2.33	2.07
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	DUP	GELC						2.34	2.06
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS			FLD							
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC							
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS			FLD							
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	70.7	10.3	3.46	2.15	11.2	3.32	1.64
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	70.8	10.4	3.48	2.14	11.1		
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS			FLD							
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	70.6	10.3	3.45	2.29	11.4	3.56	1.73
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	DUP	GELC							
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS			FLD							
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC							
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS			FLD							
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC							
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC							
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS			FLD							

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

PROVISIONAL

Set 4

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	ALK-CO3 Carbonate alkalinity mg/L Sym	ALK-CO3 Carbonate alkalinity mg/L Result	ALK-CO3 Carbonate alkalinity mg/L LQC	ALK-CO3+HCO3 Total Alkalinity mg/L Result	F(-1) Fluoride mg/L Result
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC		0.923 J		96.9	0.313
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD					
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC					
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD					
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC		1.1		84.2	0.281
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS			FLD					
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC					
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS			FLD					
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC		0.847 J		104	0.473
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS			FLD					
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC					
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	DUP	GELC					
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS			FLD					
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC		2.56		87	0.42
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	DUP	GELC					
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS			FLD					
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC					
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS			FLD					
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.725 U		51	0.229
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC					0.224
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS			FLD					
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.725 U		59.2	0.245
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	DUP	GELC					
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS			FLD					
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC					
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS			FLD					
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC					
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC					
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS			FLD					

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

PROVISIONAL

Chemical Quality of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	P Total Phosphorus mg/L Sym	P Total Phosphorus mg/L Result	P Total Phosphorus mg/L LQC	NO3+NO2-N Nitrate-Nitrite as N mg/L Sym	NO3+NO2-N Nitrate-Nitrite as N mg/L Result	NO3+NO2-N Nitrate-Nitrite as N mg/L LQC
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	<	0.0194 U			0.05	
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD						
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC						
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD						
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC	<	0.0194 U			0.06	
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS			FLD						
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC						
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS			FLD						
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	<	0.0194 U			0.69	
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS			FLD						
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC						
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	DUP	GELC						
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS			FLD						
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	<	0.0194 U			0.01 J	
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	DUP	GELC						
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS			FLD						
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC						
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS			FLD						
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.0194 U		<	0.0069 U	
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC				<	0.0069 U	
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS			FLD						
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.0194 U		<	0.0069 U	
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	DUP	GELC						
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS			FLD						
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC						
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS			FLD						
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC						
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC						
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS			FLD						

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
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PROVISIONAL

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	ClO4 Perchlorate ug/L Sym	ClO4 Perchlorate ug/L Result	ClO4 Perchlorate ug/L LQC	CN(TOTAL) Cyanide, Total mg/L Sym	CN(TOTAL) Cyanide, Total mg/L Result	CN(TOTAL) Cyanide, Total mg/L LQC	TDS Total Dissolved Solids mg/L Result
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC							197
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD							
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC	<	0.958 U		<	0.00289 U		
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD							
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC							196
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS			FLD							
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC	<	0.958 U		<	0.00289 U		
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS			FLD							
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC							184
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS			FLD							
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC	<	0.958 U		<	0.00289 U		
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	DUP	GELC				<	0.00289 U		
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS			FLD							
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC							135
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	DUP	GELC							
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS			FLD							
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	<	0.958 U		<	0.00289 U		
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS			FLD							
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC							131
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC							
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS			FLD							
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC							136
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	DUP	GELC							134
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS			FLD							
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC	<	0.958 U		<	0.00289 U		
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS			FLD							
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	<	0.958 U		<	0.00289 U		
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC							
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS			FLD							

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

PROVISIONAL

Chemical Quality of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	TSS Total Suspended Solids mg/L Sym	TSS Total Suspended Solids mg/L Result	TSS Total Suspended Solids mg/L LQC	HARDNESS Hardness mg/L Result	pH pH Result
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC				120	
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD					7.62
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC		132			
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD					7.62
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC				123	
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS			FLD					8.26
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC		116			
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS			FLD					8.26
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC				74.1	
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS			FLD					7.97
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC		0.909 J			
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	DUP	GELC					
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS			FLD					7.97
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC				45.1	
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	DUP	GELC					
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS			FLD					8.7
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC	<	0.659 U			
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS			FLD					8.7
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC				40	
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC					
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS			FLD					8.09
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC				40	
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	DUP	GELC					
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS			FLD					8.09
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC		1.2 J			
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS			FLD					8.09
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC	<	1.4 U			
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC		1.6 J			
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS			FLD					8.09

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

PROVISIONAL

Chemical Quality of Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	SPEC_CONDC Specific Conductance uS/cm Result	SPEC_CONDC Specific Conductance uS/cm Result	TEMP Temperature C Result	TURB Turbidity NTU Result
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC		290		
09-26-2001	GF01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD	96.4		13.4	8.63
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC				
09-26-2001	GU01091WBFR	Rio Grande at Frijoles (bank)	WS			FLD	96.4		13.4	8.63
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC		124		
09-26-2001	GF01091WCGR	Rio Grande at Cochiti	WS			FLD	295		19.5	123
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC				
09-26-2001	GU01091WCGR	Rio Grande at Cochiti	WS			FLD	295		19.5	123
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC		126		
09-25-2001	GF01091WGRP	Pajarito at Rio Grande	WS			FLD	195.2		19.7	0.63
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC				
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS	UF	DUP	GELC				
09-25-2001	GU01091WGRP	Pajarito at Rio Grande	WS			FLD	195.2		19.7	0.63
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC		282		
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS	F	DUP	GELC				
09-25-2001	GF01091WGRA	Ancho at Rio Grande	WS			FLD	126.1		23.4	5.03
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC				
09-25-2001	GU01091WGRA	Ancho at Rio Grande	WS			FLD	126.1		23.4	5.03
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC		198		
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC		197		
09-26-2001	GF01091WGRF	Frijoles at Rio Grande	WS			FLD	118.3		18.1	2.46
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC		122		
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS	F	DUP	GELC				
09-26-2001	GF01092WGRA	Frijoles at Rio Grande	WS			FLD	118.3		18.1	2.46
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC				
09-26-2001	GU01091WGRF	Frijoles at Rio Grande	WS			FLD	118.3		18.1	2.46
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC				
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC				
09-26-2001	GU01092WGRA	Frijoles at Rio Grande	WS			FLD	118.3		18.1	2.46

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.

PROVISIONAL

Chemical Quality of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	SiO2 Silicon Dioxide mg/L Result	SiO2 Silicon Dioxide mg/L LQC	Ca Calcium mg/L Sym	Ca Calcium mg/L Result	Ca Calcium mg/L LQC	Mg Magnesium mg/L Sym	Mg Magnesium mg/L Result	Mg Magnesium mg/L LQC	K Potassium mg/L Sym	K Potassium mg/L Result	K Potassium mg/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	55.3 E			35.5			4.26			2.64	
09-24-01	GF01091GSSW	Sandia Spring	WG			FLD											
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	55.2 E			36.2			4.33			2.69	
09-24-01	GF01092GSSW	Sandia Spring	WG			FLD											
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC											
09-24-01	GU01091GSSW	Sandia Spring	WG			FLD											
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC											
09-24-01	GU01092GSSW	Sandia Spring	WG			FLD											
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	51.3 E			22.8			1.9			2.97	
09-24-01	GF01091G3SW	Spring 3	WG			FLD											
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC											
09-24-01	GU01091G3SW	Spring 3	WG			FLD											
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	0.0212 UE		<	0.0375 U		<	0.0089 B		<	0.00707 U	
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC											
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC											
09-24-01	GU01091G4SW	Spring 4	WG			FLD											
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	57.3 E			23.4			4.66			2.73	
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	59.2			23.3			4.65			2.72	
09-24-01	GF01091G4SW	Spring 4	WG			FLD											
11-01-01	AU01101G4SW	Spring 4	WG			FLD											
11-01-01	GU01101G4SW	Spring 4	WG	UF	CS	GELC											
11-01-01	GU01101G4SW	Spring 4	WG			FLD											
11-01-01	MU01101G4SW	Spring 4	WG			FLD											
03-09-01	GC01031G4SW	Spring 4B	WG	UF	CS	GELC											
03-09-01	GC01031G4SW	Spring 4B	WG	UF	RE	GELC											
03-09-01	GC01031G4SW	Spring 4B	WG			FLD											
11-01-01	AU01101GB4S	Spring 4B	WG			FLD											
11-01-01	GU01101GB4S	Spring 4B	WG	UF	CS	GELC											
11-01-01	GU01101GB4S	Spring 4B	WG			FLD											
11-01-01	MU01101GB4S	Spring 4B	WG			FLD											
11-01-01	AU01101GC4S	Spring 4C	WG			FLD											
11-01-01	GU01101GC4S	Spring 4C	WG	UF	CS	GELC											
11-01-01	GU01101GC4S	Spring 4C	WG	UF	DUP	GELC											
11-01-01	GU01101GC4S	Spring 4C	WG			FLD											
11-01-01	MU01101GC4S	Spring 4C	WG			FLD											
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	74 E			20.6			4.75			2.3	
09-25-01	GF01091GA4S	Spring 4A	WG			FLD											
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC											
09-25-01	GU01091GA4S	Spring 4A	WG	UF	DUP	GELC											
09-25-01	GU01091GA4S	Spring 4A	WG			FLD											
11-01-01	AU01101GA4S	Spring 4A	WG			FLD											
11-01-01	GU01101GA4S	Spring 4A	WG	UF	CS	GELC											
11-01-01	GU01101GA4S	Spring 4A	WG			FLD											
11-01-01	MU01101GA4S	Spring 4A	WG			FLD											
11-01-01	AU01101GAA4	Spring 4AA	WG			FLD											
11-01-01	GU01101GAA4	Spring 4AA	WG	UF	CS	GELC											
11-01-01	GU01101GAA4	Spring 4AA	WG			FLD											
11-01-01	MU01101GAA4	Spring 4AA	WG			FLD											
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	70.2 E			18.5			4.76			2.02	
09-25-01	GF01091G5SW	Spring 5	WG			FLD											
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC											
09-25-01	GU01091G5SW	Spring 5	WG			FLD											
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	74.6			12.1			2.96			1.84	
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC	78.5			12.4			3.03			1.88	
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC											
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC											

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Set 5

Chemical Quality of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	SiO2 Silicon Dioxide mg/L Result	SiO2 Silicon Dioxide mg/L LQC	Ca Calcium mg/L Sym	Ca Calcium mg/L Result	Ca Calcium mg/L LQC	Mg Magnesium mg/L Sym	Mg Magnesium mg/L Result	Mg Magnesium mg/L LQC	K Potassium mg/L Sym	K Potassium mg/L Result	K Potassium mg/L LQC
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC											
09-25-01	GU01091GA6S	Spring 6A	WG			FLD											
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	78.9 E			11.7			2.58			1.89	
09-25-01	GF01091GA6S	Spring 6A	WG			FLD											
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC											
09-25-01	GU01091G9SW	Spring 9	WG			FLD											
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	77.9 E			11			3.09			1.6	
09-26-01	GF01091G9SW	Spring 9	WG	F	DUP	GELC											
09-26-01	GF01091G9SW	Spring 9	WG			FLD											
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC											
09-24-01	GU01091G1SW	Spring 1	WG			FLD											
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	36.1 E			18.8			1.21			2.29	
09-24-01	GF01091G1SW	Spring 1	WG			FLD											
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC											
09-24-01	GU01091G2SW	Spring 2	WG			FLD											
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	34.7 E			16.3			0.7			1.6	
09-24-01	GF01091G2SW	Spring 2	WG			FLD											
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC											
10-23-01	GU01101GSML	La Mesita Spring	WG			FLD											
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	29.7			36.1			1.19			4.92	
10-23-01	GF01101GSML	La Mesita Spring	WG			FLD											

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
	FLD	Field parameter, result from field instruments
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	E	Percent difference between the parent sample and its serial dilution's concentration exceeds 10%.
	UE	Compound was analyzed for, but was not detected. Reported value is estimated because of the presence of interference.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Chemical Quality of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Na Sodium mg/L Sym	Na Sodium mg/L Result	Na Sodium mg/L LQC	Cl(-1) Chloride mg/L Sym	Cl(-1) Chloride mg/L Result	Cl(-1) Chloride mg/L LQC	SO4(-2) Sulfate mg/L Sym	SO4(-2) Sulfate mg/L Result	SO4(-2) Sulfate mg/L LQC	ALK-CO3 Carbonate alkalinity mg/L Sym	ALK-CO3 Carbonate alkalinity mg/L Result	ALK-CO3 Carbonate alkalinity mg/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC		15			3.56			5.89		<	0.725 U	
09-24-01	GF01091GSSW	Sandia Spring	WG			FLD												
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC		15.3			3.49			5.84		<	0.725 U	
09-24-01	GF01092GSSW	Sandia Spring	WG			FLD												
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC												
09-24-01	GU01091GSSW	Sandia Spring	WG			FLD												
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC												
09-24-01	GU01092GSSW	Sandia Spring	WG			FLD												
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC		16			4.35			5.31			0.735 J	
09-24-01	GF01091G3SW	Spring 3	WG			FLD												
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC												
09-24-01	GU01091G3SW	Spring 3	WG			FLD												
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	<	0.00813 U		<	0.025 U		<	0.062 U		<	0.725 U	
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC												
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC												
09-24-01	GU01091G4SW	Spring 4	WG			FLD												
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC		13.8			5.72			8.54		<	0.725 U	
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC		13.7			5.7			8.72		<	0.725 U	
09-24-01	GF01091G4SW	Spring 4	WG			FLD												
11-01-01	AU01101G4SW	Spring 4	WG			FLD												
11-01-01	GU01101G4SW	Spring 4	WG	UF	CS	GELC												
11-01-01	GU01101G4SW	Spring 4	WG			FLD												
11-01-01	MU01101G4SW	Spring 4	WG			FLD												
03-09-01	GC01031G4SW	Spring 4B	WG	UF	CS	GELC												
03-09-01	GC01031G4SW	Spring 4B	WG	UF	RE	GELC												
03-09-01	GC01031G4SW	Spring 4B	WG			FLD												
11-01-01	AU01101GB4S	Spring 4B	WG			FLD												
11-01-01	GU01101GB4S	Spring 4B	WG	UF	CS	GELC												
11-01-01	GU01101GB4S	Spring 4B	WG			FLD												
11-01-01	MU01101GB4S	Spring 4B	WG			FLD												
11-01-01	AU01101GC4S	Spring 4C	WG			FLD												
11-01-01	GU01101GC4S	Spring 4C	WG	UF	CS	GELC												
11-01-01	GU01101GC4S	Spring 4C	WG	UF	DUP	GELC												
11-01-01	GU01101GC4S	Spring 4C	WG			FLD												
11-01-01	MU01101GC4S	Spring 4C	WG			FLD												
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC		12.4			4.37			5.34		<	0.725 U	
09-25-01	GF01091GA4S	Spring 4A	WG			FLD												
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC												
09-25-01	GU01091GA4S	Spring 4A	WG	UF	DUP	GELC												
09-25-01	GU01091GA4S	Spring 4A	WG			FLD												
11-01-01	AU01101GA4S	Spring 4A	WG			FLD												
11-01-01	GU01101GA4S	Spring 4A	WG	UF	CS	GELC												
11-01-01	GU01101GA4S	Spring 4A	WG			FLD												
11-01-01	MU01101GA4S	Spring 4A	WG			FLD												
11-01-01	AU01101GAA4	Spring 4AA	WG			FLD												
11-01-01	GU01101GAA4	Spring 4AA	WG	UF	CS	GELC												
11-01-01	GU01101GAA4	Spring 4AA	WG			FLD												
11-01-01	MU01101GAA4	Spring 4AA	WG			FLD												
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC		11.9			3.91			4.62		<	0.725 U	
09-25-01	GF01091G5SW	Spring 5	WG			FLD												
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC												
09-25-01	GU01091G5SW	Spring 5	WG			FLD												
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC		10.4			1.89			2.21		<	0.725 U	
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC		10.6			1.85			2.32		<	0.725 U	
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC												
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC												

PROVISIONAL

Chemical Quality of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Na Sodium mg/L Sym	Na Sodium mg/L Result	Na Sodium mg/L LQC	Cl(-1) Chloride mg/L Sym	Cl(-1) Chloride mg/L Result	Cl(-1) Chloride mg/L LQC	SO4(-2) Sulfate mg/L Sym	SO4(-2) Sulfate mg/L Result	SO4(-2) Sulfate mg/L LQC	ALK-CO3 Carbonate alkalinity mg/L Sym	ALK-CO3 Carbonate alkalinity mg/L Result	ALK-CO3 Carbonate alkalinity mg/L LQC
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC												
09-25-01	GU01091GA6S	Spring 6A	WG			FLD												
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC		11.4			2.15			2.72		<	0.725 U	
09-25-01	GF01091GA6S	Spring 6A	WG			FLD												
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC												
09-25-01	GU01091G9SW	Spring 9	WG			FLD												
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC		11.4			1.91			2.14		<	0.725 U	
09-26-01	GF01091G9SW	Spring 9	WG	F	DUP	GELC												
09-26-01	GF01091G9SW	Spring 9	WG			FLD												
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC												
09-24-01	GU01091G1SW	Spring 1	WG			FLD												
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC		32			2.7			6.18			0.835 J	
09-24-01	GF01091G1SW	Spring 1	WG			FLD												
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC												
09-24-01	GU01091G2SW	Spring 2	WG			FLD												
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC		51.7			2.84			5.12			2.07	
09-24-01	GF01091G2SW	Spring 2	WG			FLD												
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC												
10-23-01	GU01101GSML	La Mesita Spring	WG			FLD												
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC		34.6			6.44			13.4			0.969 J	
10-23-01	GF01101GSML	La Mesita Spring	WG			FLD												

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
	FLD	Field parameter, result from field instruments
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	E	Percent difference between the parent sample and its serial dilution's concentration exceeds 10%.
	UE	Compound was analyzed for, but was not detected. Reported value is estimated because of the presence of interference.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	ALK-CO3+HCO3 Total Alkalinity mg/L Result	F(-1) Fluoride mg/L Result	F(-1) Fluoride mg/L LQC	P Total Phosphorus mg/L Sym	P Total Phosphorus mg/L Result	P Total Phosphorus mg/L LQC	NO3+NO2-N Nitrate-Nitrite as N mg/L Result	NO3+NO2-N Nitrate-Nitrite as N mg/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	145	0.662			0.02 J		0.05	
09-24-01	GF01091GSSW	Sandia Spring	WG			FLD								
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	116	0.623		<	0.0194 U		0.04 J	
09-24-01	GF01092GSSW	Sandia Spring	WG			FLD								
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC								
09-24-01	GU01091GSSW	Sandia Spring	WG			FLD								
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC								
09-24-01	GU01092GSSW	Sandia Spring	WG			FLD								
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	131	0.457		<	0.0194 U		1.27	
09-24-01	GF01091G3SW	Spring 3	WG			FLD								
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC								
09-24-01	GU01091G3SW	Spring 3	WG			FLD								
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	2.9	0.0223 J		<	0.0194 U		0.01 J	
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC								
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC								
09-24-01	GU01091G4SW	Spring 4	WG			FLD								
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	72.5	0.511			0.02 J		1.23	
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	73.1	0.519			0.02 J		1.25	
09-24-01	GF01091G4SW	Spring 4	WG			FLD								
11-01-01	AU01101G4SW	Spring 4	WG			FLD								
11-01-01	GU01101G4SW	Spring 4	WG	UF	CS	GELC								
11-01-01	GU01101G4SW	Spring 4	WG			FLD								
11-01-01	MU01101G4SW	Spring 4	WG			FLD								
03-09-01	GC01031G4SW	Spring 4B	WG	UF	CS	GELC								
03-09-01	GC01031G4SW	Spring 4B	WG	UF	RE	GELC								
03-09-01	GC01031G4SW	Spring 4B	WG			FLD								
11-01-01	AU01101GB4S	Spring 4B	WG			FLD								
11-01-01	GU01101GB4S	Spring 4B	WG	UF	CS	GELC								
11-01-01	GU01101GB4S	Spring 4B	WG			FLD								
11-01-01	MU01101GB4S	Spring 4B	WG			FLD								
11-01-01	AU01101GC4S	Spring 4C	WG			FLD								
11-01-01	GU01101GC4S	Spring 4C	WG	UF	CS	GELC								
11-01-01	GU01101GC4S	Spring 4C	WG	UF	DUP	GELC								
11-01-01	GU01101GC4S	Spring 4C	WG			FLD								
11-01-01	MU01101GC4S	Spring 4C	WG			FLD								
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	87	0.472		<	0.0194 U		0.86	
09-25-01	GF01091GA4S	Spring 4A	WG			FLD								
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC								
09-25-01	GU01091GA4S	Spring 4A	WG	UF	DUP	GELC								
09-25-01	GU01091GA4S	Spring 4A	WG			FLD								
11-01-01	AU01101GA4S	Spring 4A	WG			FLD								
11-01-01	GU01101GA4S	Spring 4A	WG	UF	CS	GELC								
11-01-01	GU01101GA4S	Spring 4A	WG			FLD								
11-01-01	MU01101GA4S	Spring 4A	WG			FLD								
11-01-01	AU01101GAA4	Spring 4AA	WG			FLD								
11-01-01	GU01101GAA4	Spring 4AA	WG	UF	CS	GELC								
11-01-01	GU01101GAA4	Spring 4AA	WG			FLD								
11-01-01	MU01101GAA4	Spring 4AA	WG			FLD								
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	87	0.42		<	0.0194 U		0.7	
09-25-01	GF01091G5SW	Spring 5	WG			FLD								
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC								
09-25-01	GU01091G5SW	Spring 5	WG			FLD								
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	71.4	0.315		<	0.0194 U		0.34	
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC	71.4	0.314		<	0.0194 U		0.34	
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC								
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC								

PROVISIONAL

Chemical Quality of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	ALK-CO3+HCO3 Total Alkalinity mg/L Result	F(-1) Fluoride mg/L Result	F(-1) Fluoride mg/L LQC	P Total Phosphorus mg/L Sym	P Total Phosphorus mg/L Result	P Total Phosphorus mg/L LQC	NO3+NO2-N Nitrate-Nitrite as N mg/L Result	NO3+NO2-N Nitrate-Nitrite as N mg/L LQC
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC								
09-25-01	GU01091GA6S	Spring 6A	WG			FLD								
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	81.2	0.39		<	0.0194 U		0.38	
09-25-01	GF01091GA6S	Spring 6A	WG			FLD								
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC								
09-25-01	GU01091G9SW	Spring 9	WG			FLD								
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	59.2	0.425		<	0.0194 U		0.15	
09-26-01	GF01091G9SW	Spring 9	WG	F	DUP	GELC								
09-26-01	GF01091G9SW	Spring 9	WG			FLD								
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC								
09-24-01	GU01091G1SW	Spring 1	WG			FLD								
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	110	0.565			0.03 J		0.23	
09-24-01	GF01091G1SW	Spring 1	WG			FLD								
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC								
09-24-01	GU01091G2SW	Spring 2	WG			FLD								
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	151	1.16			0.02 J		0.01 J	
09-24-01	GF01091G2SW	Spring 2	WG			FLD								
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC								
10-23-01	GU01101GSML	La Mesita Spring	WG			FLD								
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	125	0.234			0.02 J		2.41	
10-23-01	GF01101GSML	La Mesita Spring	WG			FLD								

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
	FLD	Field parameter, result from field instruments
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	E	Percent difference between the parent sample and its serial dilution's concentration exceeds 10%.
	UE	Compound was analyzed for, but was not detected. Reported value is estimated because of the presence of interference.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	ClO4 Perchlorate ug/L Sym	ClO4 Perchlorate ug/L Result	ClO4 Perchlorate ug/L LQC	CN(TOTAL) Cyanide, Total mg/L Sym	CN(TOTAL) Cyanide, Total mg/L Result	CN(TOTAL) Cyanide, Total mg/L LQC	TDS Total Dissolved Solids mg/L Sym	TDS Total Dissolved Solids mg/L Result	TDS Total Dissolved Solids mg/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC								206	
09-24-01	GF01091GSSW	Sandia Spring	WG			FLD								198	
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC									
09-24-01	GF01092GSSW	Sandia Spring	WG			FLD									
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01091GSSW	Sandia Spring	WG			FLD									
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01092GSSW	Sandia Spring	WG			FLD								167	
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC									
09-24-01	GF01091G3SW	Spring 3	WG			FLD									
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01091G3SW	Spring 3	WG			FLD									
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC							<	5.09 U	
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01091G4SW	Spring 4	WG			FLD								173	
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC								165	
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC									
09-24-01	GF01091G4SW	Spring 4	WG			FLD									
11-01-01	AU01101G4SW	Spring 4	WG			FLD									
11-01-01	GU01101G4SW	Spring 4	WG	UF	CS	GELC		2.35 J							
11-01-01	GU01101G4SW	Spring 4	WG			FLD									
11-01-01	MU01101G4SW	Spring 4	WG			FLD									
03-09-01	GC01031G4SW	Spring 4B	WG	UF	CS	GELC		6.62							
03-09-01	GC01031G4SW	Spring 4B	WG	UF	RE	GELC	<	0.801 U							
03-09-01	GC01031G4SW	Spring 4B	WG			FLD									
11-01-01	AU01101GB4S	Spring 4B	WG			FLD									
11-01-01	GU01101GB4S	Spring 4B	WG	UF	CS	GELC		1.4 J							
11-01-01	GU01101GB4S	Spring 4B	WG			FLD									
11-01-01	MU01101GB4S	Spring 4B	WG			FLD									
11-01-01	AU01101GC4S	Spring 4C	WG			FLD									
11-01-01	GU01101GC4S	Spring 4C	WG	UF	CS	GELC		2.63 J							
11-01-01	GU01101GC4S	Spring 4C	WG	UF	DUP	GELC		2.5 J							
11-01-01	GU01101GC4S	Spring 4C	WG			FLD									
11-01-01	MU01101GC4S	Spring 4C	WG			FLD									
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC								171	
09-25-01	GF01091GA4S	Spring 4A	WG			FLD									
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-25-01	GU01091GA4S	Spring 4A	WG	UF	DUP	GELC	<	0.958 U							
09-25-01	GU01091GA4S	Spring 4A	WG			FLD									
11-01-01	AU01101GA4S	Spring 4A	WG			FLD									
11-01-01	GU01101GA4S	Spring 4A	WG	UF	CS	GELC		1.71 J							
11-01-01	GU01101GA4S	Spring 4A	WG			FLD									
11-01-01	MU01101GA4S	Spring 4A	WG			FLD									
11-01-01	AU01101GAA4	Spring 4AA	WG			FLD									
11-01-01	GU01101GAA4	Spring 4AA	WG	UF	CS	GELC		1.57 J							
11-01-01	GU01101GAA4	Spring 4AA	WG			FLD									
11-01-01	MU01101GAA4	Spring 4AA	WG			FLD									
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC								163	
09-25-01	GF01091G5SW	Spring 5	WG			FLD									
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC		1.29 J		<	0.00289 U				
09-25-01	GU01091G5SW	Spring 5	WG			FLD									
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC								144	
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC								147	
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC	<	0.958 U		<	0.00289 U				

PROVISIONAL

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	ClO4 Perchlorate ug/L Sym	ClO4 Perchlorate ug/L Result	ClO4 Perchlorate ug/L LQC	CN(TOTAL) Cyanide, Total mg/L Sym	CN(TOTAL) Cyanide, Total mg/L Result	CN(TOTAL) Cyanide, Total mg/L LQC	TDS Total Dissolved Solids mg/L Sym	TDS Total Dissolved Solids mg/L Result	TDS Total Dissolved Solids mg/L LQC
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-25-01	GU01091GA6S	Spring 6A	WG			FLD								149	
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC									
09-25-01	GF01091GA6S	Spring 6A	WG			FLD									
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-25-01	GU01091G9SW	Spring 9	WG			FLD								147	
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC									
09-26-01	GF01091G9SW	Spring 9	WG	F	DUP	GELC									
09-26-01	GF01091G9SW	Spring 9	WG			FLD									
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01091G1SW	Spring 1	WG			FLD								167	
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC									
09-24-01	GF01091G1SW	Spring 1	WG			FLD									
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
09-24-01	GU01091G2SW	Spring 2	WG			FLD								204	
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC									
09-24-01	GF01091G2SW	Spring 2	WG			FLD									
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC	<	0.958 U		<	0.00289 U				
10-23-01	GU01101GSML	La Mesita Spring	WG			FLD								207	
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC									
10-23-01	GF01101GSML	La Mesita Spring	WG			FLD									

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
	FLD	Field parameter, result from field instruments
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	E	Percent difference between the parent sample and its serial dilution's concentration exceeds 10%.
	UE	Compound was analyzed for, but was not detected. Reported value is estimated because of the presence of interference.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Chemical Quality of Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	HARDNESS Hardness mg/L Sym	HARDNESS Hardness mg/L Result	HARDNESS Hardness mg/L LQC	pH pH Result	SPEC_CONDC Specific Conductance uS/cm Result	SPEC_CONDC Specific Conductance uS/cm Result	TEMP Temperature C Result	TURB Turbidity NTU Result
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC		106				259		
09-24-01	GF01091GSSW	Sandia Spring	WG			FLD					284		10.8	6.27
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC		108				258		
09-24-01	GF01092GSSW	Sandia Spring	WG			FLD					284		10.8	6.27
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC								
09-24-01	GU01091GSSW	Sandia Spring	WG			FLD					284		10.8	6.27
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC								
09-24-01	GU01092GSSW	Sandia Spring	WG			FLD					284		10.8	6.27
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC		64.8				198		
09-24-01	GF01091G3SW	Spring 3	WG			FLD				7.64	195.2		21.4	2.51
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC								
09-24-01	GU01091G3SW	Spring 3	WG			FLD				7.64	195.2		21.4	2.51
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	<	0.112 U				4.22		
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC								
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC								
09-24-01	GU01091G4SW	Spring 4	WG			FLD				7.07	208		19.8	39.3
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC		77.5				206		
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC						206		
09-24-01	GF01091G4SW	Spring 4	WG			FLD				7.07	208		19.8	39.3
11-01-01	AU01101G4SW	Spring 4	WG			FLD				7.26	236		17.4	
11-01-01	GU01101G4SW	Spring 4	WG	UF	CS	GELC								
11-01-01	GU01101G4SW	Spring 4	WG			FLD				7.26	236		17.4	
11-01-01	MU01101G4SW	Spring 4	WG			FLD				7.26	236		17.4	
03-09-01	GC01031G4SW	Spring 4B	WG	UF	CS	GELC								
03-09-01	GC01031G4SW	Spring 4B	WG	UF	RE	GELC								
03-09-01	GC01031G4SW	Spring 4B	WG			FLD				8.006	236		12	
11-01-01	AU01101GB4S	Spring 4B	WG			FLD				7.09	208		16.3	1.03
11-01-01	GU01101GB4S	Spring 4B	WG	UF	CS	GELC								
11-01-01	GU01101GB4S	Spring 4B	WG			FLD				7.09	208		16.3	1.03
11-01-01	MU01101GB4S	Spring 4B	WG			FLD				7.09	208		16.3	1.03
11-01-01	AU01101GC4S	Spring 4C	WG			FLD				7.2	205		17.2	1.01
11-01-01	GU01101GC4S	Spring 4C	WG	UF	CS	GELC								
11-01-01	GU01101GC4S	Spring 4C	WG	UF	DUP	GELC								
11-01-01	GU01101GC4S	Spring 4C	WG			FLD				7.2	205		17.2	1.01
11-01-01	MU01101GC4S	Spring 4C	WG			FLD				7.2	205		17.2	1.01
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC		71.1				181		
09-25-01	GF01091GA4S	Spring 4A	WG			FLD				7.48	65.6		21.1	1.13
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC								
09-25-01	GU01091GA4S	Spring 4A	WG	UF	DUP	GELC								
09-25-01	GU01091GA4S	Spring 4A	WG			FLD				7.48	65.6		21.1	1.13
11-01-01	AU01101GA4S	Spring 4A	WG			FLD				7.44	185.2		21	0.57
11-01-01	GU01101GA4S	Spring 4A	WG	UF	CS	GELC								
11-01-01	GU01101GA4S	Spring 4A	WG			FLD				7.44	185.2		21	0.57
11-01-01	MU01101GA4S	Spring 4A	WG			FLD				7.44	185.2		21	0.57
11-01-01	AU01101GAA4	Spring 4AA	WG			FLD				7.03	207		18.5	3.22
11-01-01	GU01101GAA4	Spring 4AA	WG	UF	CS	GELC								
11-01-01	GU01101GAA4	Spring 4AA	WG			FLD				7.03	207		18.5	3.22
11-01-01	MU01101GAA4	Spring 4AA	WG			FLD				7.03	207		18.5	3.22
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC		65.8				176		
09-25-01	GF01091G5SW	Spring 5	WG			FLD				7.97	195.2		20.8	4.8
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC								
09-25-01	GU01091G5SW	Spring 5	WG			FLD				7.97	195.2		20.8	4.8
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC		42.4				118		
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC						118		
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC								
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC								

PROVISIONAL

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	HARDNESS Hardness mg/L Sym	HARDNESS Hardness mg/L Result	HARDNESS Hardness mg/L LQC	pH pH Result	SPEC_CONDC Specific Conductance uS/cm Result	SPEC_CONDC Specific Conductance uS/cm Result	TEMP Temperature C Result	TURB Turbidity NTU Result
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC								
09-25-01	GU01091GA6S	Spring 6A	WG			FLD				6.89	132.7		22.2	13.1
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC		39.9				130		
09-25-01	GF01091GA6S	Spring 6A	WG			FLD				6.89	132.7		22.2	13.1
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC								
09-25-01	GU01091G9SW	Spring 9	WG			FLD				7.5	125.4		21.5	9.95
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC		40.1				125		
09-26-01	GF01091G9SW	Spring 9	WG	F	DUP	GELC								
09-26-01	GF01091G9SW	Spring 9	WG			FLD				7.5	125.4		21.5	9.95
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC								
09-24-01	GU01091G1SW	Spring 1	WG			FLD				7.17	227		18.6	21.2
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC		51.8				224		
09-24-01	GF01091G1SW	Spring 1	WG			FLD				7.17	227		18.6	21.2
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC								
09-24-01	GU01091G2SW	Spring 2	WG			FLD				7.43	256		21.6	13.2
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC		43.6				274		
09-24-01	GF01091G2SW	Spring 2	WG			FLD				7.43	256		21.6	13.2
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC								
10-23-01	GU01101GSML	La Mesita Spring	WG			FLD				7.89	312		13.7	46.8
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC		94.9				279		
10-23-01	GF01101GSML	La Mesita Spring	WG			FLD				7.89	312		13.7	46.8

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
	FLD	Field parameter, result from field instruments
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	E	Percent difference between the parent sample and its serial dilution's concentration exceeds 10%.
	UE	Compound was analyzed for, but was not detected. Reported value is estimated because of the presence of interference.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Quality Assurance Sample Results for Chemical Quality Analysis of Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	SiO2 Silicon Dioxide mg/L Sym	SiO2 Silicon Dioxide mg/L Result	SiO2 Silicon Dioxide mg/L LQC	Ca Calcium mg/L Sym	Ca Calcium mg/L Result	Ca Calcium mg/L LQC	Mg Magnesium mg/L Sym	Mg Magnesium mg/L Result	Mg Magnesium mg/L LQC
09-24-01	GU01091GAA3	Spring 3	WG	UF	CS	GELC	FB									
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	WS	F	CS	GELC	FB	<	0.0827	B	<	0.0251	B	<	0.00812	B
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	WS	UF	CS	GELC	FB									
08-03-01	GU01091GKNB	DI Blank	WG	UF	CS	GELC	PEB				<	0.0284	B			
08-03-01	GU01091GKNB	DI Blank	WG	UF	DUP	GELC	PEB									
08-07-01	GU01081GKNB	DI Blank	WG	UF	CS	GELC	PEB									
09-07-01	GF01081GKNB	DI Blank	WG	F	CS	GELC	PEB									
10-24-01	GF01101GKNB	DI Blank	WG	UF	CS	GELC	PEB		0.575		<	0.0375	U	<	0.00449	U
10-24-01	GU01101GKNB	DI Blank	WG	UF	CS	GELC	PEB									

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
	PEB	Performance evaluation blank.
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Set 6

Quality Assurance Sample Results for Chemical Quality Analysis of Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	K Potassium mg/L Sym	K Potassium mg/L Result	K Potassium mg/L LQC	Na Sodium mg/L Sym	Na Sodium mg/L Result	Na Sodium mg/L LQC	Cl(-1) Chloride mg/L Sym	Cl(-1) Chloride mg/L Result	Cl(-1) Chloride mg/L LQC	SO4(-2) Sulfate mg/L Sym	SO4(-2) Sulfate mg/L Result	SO4(-2) Sulfate mg/L LQC
09-24-01	GU01091GAA3	Spring 3	WG	UF	CS	GELC	FB												
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	WS	F	CS	GELC	FB	<	0.0107	U	<	0.00773	U		0.186		<	0.062	U
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	WS	UF	CS	GELC	FB												
08-03-01	GU01091GKNB	DI Blank	WG	UF	CS	GELC	PEB												
08-03-01	GU01091GKNB	DI Blank	WG	UF	DUP	GELC	PEB												
08-07-01	GU01081GKNB	DI Blank	WG	UF	CS	GELC	PEB												
09-07-01	GF01081GKNB	DI Blank	WG	F	CS	GELC	PEB												
10-24-01	GF01101GKNB	DI Blank	WG	UF	CS	GELC	PEB	<	0.00707	U		0.101		<	0.025	U	<	0.062	U
10-24-01	GU01101GKNB	DI Blank	WG	UF	CS	GELC	PEB												

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
	PEB	Performance evaluation blank.
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Quality Assurance Sample Results for Chemical Quality Analysis of Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	ALK-CO3 Carbonate alkalinity mg/L Sym	ALK-CO3 Carbonate alkalinity mg/L Result	ALK-CO3 Carbonate alkalinity mg/L LQC	ALK-CO3+HCO3 Total Alkalinity mg/L Result	F(-1) Fluoride mg/L Result	F(-1) Fluoride mg/L LQC
09-24-01	GU01091GAA3	Spring 3	WG	UF	CS	GELC	FB						
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	WS	F	CS	GELC	FB	<	0.725	U	17.4	0.023	J
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	WS	UF	CS	GELC	FB						
08-03-01	GU01091GKNB	DI Blank	WG	UF	CS	GELC	PEB						
08-03-01	GU01091GKNB	DI Blank	WG	UF	DUP	GELC	PEB						
08-07-01	GU01081GKNB	DI Blank	WG	UF	CS	GELC	PEB						
09-07-01	GF01081GKNB	DI Blank	WG	F	CS	GELC	PEB					0.0167	J
10-24-01	GF01101GKNB	DI Blank	WG	UF	CS	GELC	PEB	<	0.725	U	17.9	0.016	J
10-24-01	GU01101GKNB	DI Blank	WG	UF	CS	GELC	PEB						

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
	PEB	Performance evaluation blank.
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Quality Assurance Sample Results for Chemical Quality Analysis of Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	P Total Phosphorus mg/L Sym	P Total Phosphorus mg/L Result	P Total Phosphorus mg/L LQC	NO3+NO2-N Nitrate-Nitrite as N mg/L Sym	NO3+NO2-N Nitrate-Nitrite as N mg/L Result	NO3+NO2-N Nitrate-Nitrite as N mg/L LQC	ClO4 Perchlorate ug/L Sym
09-24-01	GU01091GAA3	Spring 3	WG	UF	CS	GELC	FB							<
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	WS	F	CS	GELC	FB	<	0.0194	U		0.01	J	
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	WS	UF	CS	GELC	FB							<
08-03-01	GU01091GKNB	DI Blank	WG	UF	CS	GELC	PEB							<
08-03-01	GU01091GKNB	DI Blank	WG	UF	DUP	GELC	PEB							
08-07-01	GU01081GKNB	DI Blank	WG	UF	CS	GELC	PEB							<
09-07-01	GF01081GKNB	DI Blank	WG	F	CS	GELC	PEB				<	0.0069	U	<
10-24-01	GF01101GKNB	DI Blank	WG	UF	CS	GELC	PEB	<	0.0194	U		0.01	J	
10-24-01	GU01101GKNB	DI Blank	WG	UF	CS	GELC	PEB							

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
	PEB	Performance evaluation blank.
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
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PROVISIONAL

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	ClO4 Perchlorate ug/L Result	ClO4 Perchlorate ug/L LQC	CN(TOTAL) Cyanide, Total mg/L Sym	CN(TOTAL) Cyanide, Total mg/L Result	CN(TOTAL) Cyanide, Total mg/L LQC
09-24-01	GU01091GAA3	Spring 3	WG	UF	CS	GELC	FB	0.958	U	<	0.00289	U
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	WS	F	CS	GELC	FB					
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	WS	UF	CS	GELC	FB	0.958	U	<	0.00289	U
08-03-01	GU01091GKNB	DI Blank	WG	UF	CS	GELC	PEB	0.958	U	<	0.00289	U
08-03-01	GU01091GKNB	DI Blank	WG	UF	DUP	GELC	PEB			<	0.00289	U
08-07-01	GU01081GKNB	DI Blank	WG	UF	CS	GELC	PEB	0.958	U			
09-07-01	GF01081GKNB	DI Blank	WG	F	CS	GELC	PEB	0.958	U			
10-24-01	GF01101GKNB	DI Blank	WG	UF	CS	GELC	PEB					
10-24-01	GU01101GKNB	DI Blank	WG	UF	CS	GELC	PEB			<	0.00289	U

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
	PEB	Performance evaluation blank.
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Quality Assurance Sample Results for Chemical Quality Analysis of Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	TDS Total Dissolved Solids mg/L Sym	TDS Total Dissolved Solids mg/L Result	TDS Total Dissolved Solids mg/L LQC	HARDNESS Hardness mg/L Sym	HARDNESS Hardness mg/L Result	HARDNESS Hardness mg/L LQC	SPEC_CONDC Specific Conductance uS/cm Result
09-24-01	GU01091GAA3	Spring 3	WG	UF	CS	GELC	FB							
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	WS	F	CS	GELC	FB	<	5.09	U	<	0.112	U	2
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	WS	UF	CS	GELC	FB							
08-03-01	GU01091GKNB	DI Blank	WG	UF	CS	GELC	PEB							
08-03-01	GU01091GKNB	DI Blank	WG	UF	DUP	GELC	PEB							
08-07-01	GU01081GKNB	DI Blank	WG	UF	CS	GELC	PEB							
09-07-01	GF01081GKNB	DI Blank	WG	F	CS	GELC	PEB	<	5.09	U				
10-24-01	GF01101GKNB	DI Blank	WG	UF	CS	GELC	PEB	<	5.09	U	<	0.112	U	4.71
10-24-01	GU01101GKNB	DI Blank	WG	UF	CS	GELC	PEB							

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
	PEB	Performance evaluation blank.
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Ag ug/L Sym	Ag ug/L Result	Ag ug/L LQC	Al ug/L Sym	Al ug/L Result	Al ug/L LQC	As ug/L Sym	As ug/L Result	As ug/L LQC
09-26-01	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	<	0.276	U	<	17.1	B	<	2.57	U
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC									
09-26-01	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC	<	0.276	U	<	39.1	B	<	2.57	U
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC									
09-25-01	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	<	0.276	U	<	34.3	U	<	2.57	U
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC									
09-25-01	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	<	0.276	U	<	34.3	U	<	2.57	U
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC									
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.276	U	<	48.5	B	<	2.57	U
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	<	0.276	U		52.8		<	2.57	U
09-26-01	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.276	U		52.3		<	2.57	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC									
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC									
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC									

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	BN	Ignites but does not sustain ignition
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Set 7

Trace Metals in Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	B ug/L Sym	B ug/L Result	B ug/L LQC	Ba ug/L Result	Be ug/L Sym	Be ug/L Result	Be ug/L LQC	Cd ug/L Sym	Cd ug/L Result	Cd ug/L LQC	Co ug/L Sym	Co ug/L Result	Co ug/L LQC
09-26-01	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	<	21.6	B	66.4	<	0.253	U	<	0.457	U	<	0.968	U
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC													
09-26-01	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC	<	40.1	B	71.4	<	0.253	U	<	0.457	U	<	1.23	B
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC													
09-25-01	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	<	29.2	B	40.9	<	0.253	U	<	0.457	U	<	2.52	B
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC													
09-25-01	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	<	20.6	B	26.3	<	0.253	U	<	0.457	U	<	0.748	B
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC													
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	14.6	B	17.1	<	0.253	U	<	0.444	B	<	0.968	U
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	<	12.6	B	17.7	<	0.253	U	<	0.457	U	<	0.968	U
09-26-01	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	10.1	B	16.6	<	0.253	U	<	0.457	U	<	3.81	B
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC													
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC													
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC													

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	BN	Ignites but does not sustain ignition
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Cr ug/L Sym	Cr ug/L Result	Cr ug/L LQC	Cu ug/L Sym	Cu ug/L Result	Cu ug/L LQC	Fe ug/L Sym	Fe ug/L Result	Fe ug/L LQC	Hg ug/L Sym	Hg ug/L Result	Hg ug/L LQC
09-26-01	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	<	1.47	U	<	1.09	B	<	6.01	B		0.073	UN
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC											0.073	UN
09-26-01	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC	<	1.47	U	<	1.27	B	<	6.53	B		0.073	UN
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC											0.073	UN
09-25-01	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	<	3.78	B	<	1.93	U	<	4.6	U		0.073	UN
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC											0.073	UN
09-25-01	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	<	1.47	U	<	1.93	U	<	4.6	U		0.073	UN
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC											0.073	UN
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	1.47	U	<	1.93	U		73.6			0.073	UN
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	<	1.47	U	<	1.93	U		71.6		<	0.073	U
09-26-01	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	1.47	U	<	1.93	U		66.2			0.073	UN
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC											0.073	UN
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC											0.073	UN
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC												

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	BN	Ignites but does not sustain ignition
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Mn ug/L Sym	Mn ug/L Result	Mn ug/L LQC	Mo ug/L Sym	Mo ug/L Result	Mo ug/L LQC	Ni ug/L Sym	Ni ug/L Result	Ni ug/L LQC	Pb ug/L Sym	Pb ug/L Result	Pb ug/L LQC
09-26-01	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	<	4.36	B	<	3.78	B	<	1.2	U	<	2.57	U
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC												
09-26-01	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC		21.2		<	2.83	B	<	1.2	U	<	2.57	U
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC												
09-25-01	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	<	0.944	B	<	1.6	B	<	1.2	U	<	2.57	U
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC												
09-25-01	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	<	0.497	B	<	1.26	B	<	1.2	U	<	2.57	U
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC												
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	1.25	B	<	2	B	<	1.2	U	<	2.57	U
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	<	0.815	B	<	1.59	B	<	1.2	U	<	2.57	U
09-26-01	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.611	B	<	1.91	B	<	1.2	U	<	2.57	U
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC												
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC												
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC												

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	BN	Ignites but does not sustain ignition
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Sb ug/L Sym	Sb ug/L Result	Sb ug/L LQC	Se ug/L Sym	Se ug/L Result	Se ug/L LQC	Sn ug/L Sym	Sn ug/L Result	Sn ug/L LQC	Sr ug/L Result
09-26-01	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC		0.15	BN				<	3.5	U	294
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC				<	2.38	U				
09-26-01	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC		0.11	BN				<	3.5	U	303
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC				<	2.38	U				
09-25-01	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC		0.23	BN				<	3.5	U	124
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC				<	2.38	U				
09-25-01	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC		0.1	BN				<	3.5	U	59.9
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC				<	2.38	U				
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC		0.06	BN	<	2.38	U	<	3.5	U	61.2
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	<	0.111	U	<	2.38	U	<	3.5	U	60.9
09-26-01	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC		0.111	UN				<	3.5	U	60.2
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC				<	2.38	U				
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC				<	2.38	U				
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC										

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	BN	Ignites but does not sustain ignition
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Surface Water for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Tl ug/L Sym	Tl ug/L Result	Tl ug/L LQC	V ug/L Sym	V ug/L Result	V ug/L LQC	Zn ug/L Sym	Zn ug/L Result	Zn ug/L LQC	TSS mg/L Sym	TSS mg/L Result	TSS mg/L LQC
09-26-01	GF01091WBFR	Rio Grande at Frijoles (bank)	WS	F	CS	GELC	<	0.014	U	<	3.2	B	<	1.26	B			
09-26-01	GU01091WBFR	Rio Grande at Frijoles (bank)	WS	UF	CS	GELC											132	
09-26-01	GF01091WCGR	Rio Grande at Cochiti	WS	F	CS	GELC	<	0.014	U	<	3.48	B	<	1.07	B			
09-26-01	GU01091WCGR	Rio Grande at Cochiti	WS	UF	CS	GELC											116	
09-25-01	GF01091WGRP	Pajarito at Rio Grande	WS	F	CS	GELC	<	0.014	U		10.3		<	3.45	B			
09-25-01	GU01091WGRP	Pajarito at Rio Grande	WS	UF	CS	GELC											0.909	J
09-25-01	GF01091WGRA	Ancho at Rio Grande	WS	F	CS	GELC	<	0.014	U		6.69		<	2.82	B			
09-25-01	GU01091WGRA	Ancho at Rio Grande	WS	UF	CS	GELC										<	0.659	U
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.014	U	<	3.18	B	<	2.93	B			
09-26-01	GF01091WGRF	Frijoles at Rio Grande	WS	F	DUP	GELC	<	0.014	U	<	3.14	B	<	2.71	B			
09-26-01	GF01092WGRA	Frijoles at Rio Grande	WS	F	CS	GELC	<	0.014	U	<	3.02	B	<	2.76	B			
09-26-01	GU01091WGRF	Frijoles at Rio Grande	WS	UF	CS	GELC											1.2	J
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	CS	GELC										<	1.4	U
09-26-01	GU01092WGRA	Frijoles at Rio Grande	WS	UF	DUP	GELC											1.6	J

Matrix	WS	Surface Water
Field Prep	UF	not filtered
	F	filtered
Lab Matrix	W	water
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	J	The associated numerical value is an estimated quantity.
	BN	Ignites but does not sustain ignition
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Ag ug/L Sym	Ag ug/L Result	Ag ug/L LQC	Al ug/L Sym	Al ug/L Result	Al ug/L LQC	As ug/L Sym	As ug/L Result	As ug/L LQC	B ug/L Sym	B ug/L Result	B ug/L LQC	Ba ug/L Sym	Ba ug/L Result	Ba ug/L LQC	Be ug/L Sym	Be ug/L Result	Be ug/L LQC	Cd ug/L Sym	Cd ug/L Result	Cd ug/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	18.2	B		57.1		<	0.203	U			
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	<	0.197	U	<	11.2	B	<	4.57	U	<	22	B		58.3		<	0.203	U			
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC																					
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC																					
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	15.3	B		42.5		<	0.203	U			
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC																					
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	<	0.197	U	<	20.7	B	<	4.57	U	<	14.2	B	<	0.44	B	<	0.203	U			
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC																					
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC																					
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	<	2.56	B	<	34.3	U	<	4.57	U	<	8.72	B		46.1		<	0.203	U			
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	<	0.879	B	<	34.3	U	<	4.57	U	<	7.33	B		45.9		<	0.203	U			
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	24.8	B		43.6		<	0.203	U			
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC																					
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	31.5	B		28.4		<	0.203	U			
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC																					
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	3.05	B	<	22.8	B		25.7		<	0.203	U	<	0.19	B
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	19.6	B		26.2		<	0.203	U	<	0.26	B
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC																					
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC																					
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC																					
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	13	B		20.3		<	0.203	U			
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC																					
09-25-01	GU01091G9SW	Spring 9	WG	UF	DUP	GELC																					
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	<	0.197	U	<	34.3	U	<	4.57	U	<	12.7	B		18.6		<	0.203	U			
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC																					
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	<	0.197	U	<	21.7	B	<	4.29	B		51.6			42		<	0.203	U			
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC																					
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	<	0.197	U	<	34.3	U		23			65.9			24.4		<	0.203	U			
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC																					
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	<	0.197	U	<	45.6	B	<	4.57	U		58.8			118		<	0.203	U	<	0.29	B

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Co ug/L Sym	Co ug/L Result	Co ug/L LQC	Cr ug/L Sym	Cr ug/L Result	Cr ug/L LQC	Cu ug/L Sym	Cu ug/L Result	Cu ug/L LQC	Fe ug/L Sym	Fe ug/L Result	Fe ug/L LQC	Hg ug/L Sym	Hg ug/L Result	Hg ug/L LQC	Mn ug/L Sym	Mn ug/L Result	Mn ug/L LQC	Mo ug/L Sym	Mo ug/L Result	Mo ug/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	<	0.295	U	<	1.48	B	<	2.67	U	<	20.6	U					18.2		<	0.594	U
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC		8.57		<	1.44	B	<	2.37	B	<	20.6	U					18.6		<	0.594	U
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC													<	0.073	U						
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC													<	0.073	U						
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	<	0.295	U	<	3.7	B	<	2.67	U	<	20.6	U				<	2.94	U	<	0.594	U
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC													<	0.073	U						
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	<	0.295	U		8.9		<	2.67	U		66.6					<	0.962	B	<	0.594	U
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC													<	0.365	U						
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC													<	0.073	U						
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	<	1.24	B	<	3.35	B	<	2.67	U	<	20.6	U				<	2.94	U	<	2.08	B
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	<	0.789	B	<	2.96	B	<	2.67	U	<	20.6	U				<	2.94	U	<	0.594	U
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	<	4.97	B	<	3.92	B	<	2.67	U	<	20.6	U				<	2.94	U	<	0.594	U
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC													<	0.073	U						
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	<	0.295	U	<	3.92	B	<	2.67	U	<	20.6	U				<	0.53	B	<	0.594	U
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC													<	0.073	U						
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	<	0.295	U	<	3.47	B	<	2.67	U	<	20.6	U				<	3.46	B	<	3.29	B
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC	<	0.295	U	<	3.08	B	<	2.67	U	<	20.6	U				<	3.43	B	<	1.55	B
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC													<	0.073	U						
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC													<	0.073	U						
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC													<	0.073	U						
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	<	0.295	U	<	3.73	B	<	2.67	U	<	20.6	U				<	2.94	U	<	0.594	U
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC													<	0.073	U						
09-25-01	GU01091G9SW	Spring 9	WG	UF	DUP	GELC																					
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC		5.36		<	1.74	B	<	2.67	U	<	20.6	U				<	2.94	U	<	0.594	U
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC													<	0.073	U						
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	<	0.295	U	<	4.19	B	<	2.67	U	<	16.1	B				<	1.79	B	<	2.21	B
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC													<	0.073	U						
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	<	1.4	B	<	0.669	B	<	2.67	U	<	3	B				<	8.29	B	<	2.9	B
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC													<	0.073	U						
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	<	0.295	U	<	1.41	B	<	2.36	B		57.4					<	2.5	B	<	3.3	B

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Trace Metals in Groundwater for 2001

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	Ni ug/L Sym	Ni ug/L Result	Ni ug/L LQC	Pb ug/L Sym	Pb ug/L Result	Pb ug/L LQC	Sb ug/L Sym	Sb ug/L Result	Sb ug/L LQC	Se ug/L Sym	Se ug/L Result	Se ug/L LQC	Sn ug/L Sym	Sn ug/L Result	Sn ug/L LQC	Sr ug/L Result	Tl ug/L Sym	Tl ug/L Result	Tl ug/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	2.4	U		<	0.014	U
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	2.83	B		<	0.014	U
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC										<	3.09	U							
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC										<	3.09	U							
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	9.86	B		<	0.014	U
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC										<	3.09	U							
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	7.43	B		<	0.014	U
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC										<	3.09	U							
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC										<	3.09	U							
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC	<	0.743	U	<	0.077	U	<	0.07	B				<	2.4	U		<	0.014	U
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC	<	0.743	U	<	0.077	U	<	0.06	B				<	2.4	U		<	0.014	U
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	5.73	B		<	0.014	U
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC										<	3.09	U							
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	7.1	B		<	0.014	U
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC										<	3.09	U							
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC	<	0.743	U	<	0.18	B	<	0.35	B				<	2.19	B	56.7	<	0.05	B
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC	<	0.743	U	<	0.23	B	<	0.15	B				<	2.4	U	58	<	0.04	B
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC										<	3.09	U							
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC										<	3.09	U							
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC										<	3.09	U							
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.06	B				<	4.5	B		<	0.014	U
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC										<	3.09	U							
09-25-01	GU01091G9SW	Spring 9	WG	UF	DUP	GELC										<	3.09	U							
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	4.57	B		<	0.014	U
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC										<	4.99	B							
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	2.4	U		<	0.014	U
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC										<	3.09	U							
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC	<	0.743	U	<	0.077	U	<	0.111	U				<	2.4	U		<	0.014	U
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC										<	3.09	U							
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	<	0.743	U	<	0.18	B	<	0.36	B				<	2.4	U	799	<	0.25	B

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Date	Sample Id	Location	Matrix	FP	LSTC	Lab	V ug/L Sym	V ug/L Result	V ug/L LQC	Zn ug/L Sym	Zn ug/L Result	Zn ug/L LQC
09-24-01	GF01091GSSW	Sandia Spring	WG	F	CS	GELC		7.85		<	0.889	B
09-24-01	GF01092GSSW	Sandia Spring	WG	F	CS	GELC		7.8		<	2.79	B
09-24-01	GU01091GSSW	Sandia Spring	WG	UF	CS	GELC						
09-24-01	GU01092GSSW	Sandia Spring	WG	UF	CS	GELC						
09-24-01	GF01091G3SW	Spring 3	WG	F	CS	GELC		14.2		<	1.47	B
09-24-01	GU01091G3SW	Spring 3	WG	UF	CS	GELC						
09-24-01	GF01091GAA3	Spring 3	WG	F	CS	GELC	<	1.09	U	<	2.81	U
09-24-01	GU01091G4SW	Spring 4	WG	UF	CS	GELC						
09-24-01	GU01091G4SW	Spring 4	WG	UF	DUP	GELC						
09-24-01	GF01091G4SW	Spring 4	WG	UF	CS	GELC		9.6		<	1.17	B
09-24-01	GF01091G4SW	Spring 4	WG	UF	DUP	GELC		9.56		<	2.81	U
09-25-01	GF01091GA4S	Spring 4A	WG	F	CS	GELC		8.45		<	2.35	B
09-25-01	GU01091GA4S	Spring 4A	WG	UF	CS	GELC						
09-25-01	GF01091G5SW	Spring 5	WG	F	CS	GELC		10.1		<	0.696	B
09-25-01	GU01091G5SW	Spring 5	WG	UF	CS	GELC						
10-24-01	GF01101GSAW	Ancho Spring	WG	F	CS	GELC		6.72		<	1.51	B
10-24-01	GF01101GSAW	Ancho Spring	WG	F	DUP	GELC		7.09		<	1.18	B
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	CS	GELC						
10-24-01	GU01101GSAW	Ancho Spring	WG	UF	DUP	GELC						
09-25-01	GU01091GA6S	Spring 6A	WG	UF	CS	GELC						
09-25-01	GF01091GA6S	Spring 6A	WG	F	CS	GELC		10.3		<	0.798	B
09-25-01	GU01091G9SW	Spring 9	WG	UF	CS	GELC						
09-25-01	GU01091G9SW	Spring 9	WG	UF	DUP	GELC						
09-26-01	GF01091G9SW	Spring 9	WG	F	CS	GELC		8.35		<	1.54	B
09-24-01	GU01091G1SW	Spring 1	WG	UF	CS	GELC						
09-24-01	GF01091G1SW	Spring 1	WG	F	CS	GELC		16.4		<	1.53	B
09-24-01	GU01091G2SW	Spring 2	WG	UF	CS	GELC						
09-24-01	GF01091G2SW	Spring 2	WG	F	CS	GELC		22.2		<	2.81	U
10-23-01	GU01101GSML	La Mesita Spring	WG	UF	CS	GELC						
10-23-01	GF01101GSML	La Mesita Spring	WG	F	CS	GELC	<	4.04	B	<	2.78	B

Matrix	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
	DUP	Lab duplicate
Lab	GELC	General Engineering Laboratory, Charleston
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample quantitation limit or the sample detection limit.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

PROVISIONAL

Quality Assurance Sample Results for Trace Metals in Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	Ag ug/L Sym	Ag ug/L Result	Ag ug/L LQC	Al ug/L Sym	Al ug/L Result	Al ug/L LQC	As ug/L Sym	As ug/L Result	As ug/L LQC	B ug/L Sym	B ug/L Result	B ug/L LQC	Ba ug/L Sym	Ba ug/L Result	Ba ug/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC															
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	F	WS	CS	FB	GELC	<	0.276	U	<	27.3	B	<	2.57	U	<	6.68	B	<	0.451	U
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC															
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.666	U	<	27.6	B	<	2.6	U	<	19.4	B	<	0.408	B
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.197	U	<	16.2	B	<	2.73	B	<	28.3	B	<	0.295	B
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC															

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection

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Set 9

Quality Assurance Sample Results for Trace Metals in Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	Be ug/L Sym	Be ug/L Result	Be ug/L LQC	Cd ug/L Sym	Cd ug/L Result	Cd ug/L LQC	Co ug/L Sym	Co ug/L Result	Co ug/L LQC	Cr ug/L Sym	Cr ug/L Result	Cr ug/L LQC	Cu ug/L Sym	Cu ug/L Result	Cu ug/L LQC	Fe ug/L Sym	Fe ug/L Result	Fe ug/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC																		
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	F	WS	CS	FB	GELC	<	0.253	U	<	0.457	U	<	0.865	B	<	1.47	U	<	1.93	U	<	5.14	B
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC																		
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.212	U	<	0.017	U		6.66		<	0.57	U		6.86		<	6.31	B
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.203	U	<	0.27	B	<	0.295	U	<	0.781	U	<	2.67	U	<	3	B
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC																		

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection

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Quality Assurance Sample Results for Trace Metals in Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	Hg ug/L Sym	Hg ug/L Result	Hg ug/L LQC	Mn ug/L Sym	Mn ug/L Result	Mn ug/L LQC	Mo ug/L Sym	Mo ug/L Result	Mo ug/L LQC	Ni ug/L Sym	Ni ug/L Result	Ni ug/L LQC	Pb ug/L Sym	Pb ug/L Result	Pb ug/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC	<	0.073	U												
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	F	WS	CS	FB	GELC		0.073	UN	<	0.379	B	<	1.66	U	<	1.2	U	<	2.57	U
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC		0.073	UN												
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.064	U	<	0.735	B	<	1.16	U	<	2.01	B	<	0.644	B
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC				<	2.94	U	<	1.7	B	<	0.743	U	<	0.15	B
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.073	U												

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection

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Quality Assurance Sample Results for Trace Metals in Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	Sb ug/L Sym	Sb ug/L Result	Sb ug/L LQC	Se ug/L Sym	Se ug/L Result	Se ug/L LQC	Sn ug/L Sym	Sn ug/L Result	Sn ug/L LQC	Sr ug/L Sym	Sr ug/L Result	Sr ug/L LQC	Tl ug/L Sym	Tl ug/L Result	Tl ug/L LQC	V ug/L Sym	V ug/L Result	V ug/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC				<	3.09	U												
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	F	WS	CS	FB	GELC		0.111	UN				<	3.5	U	<	0.185	U	<	0.014	U	<	1.04	U
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC				<	2.38	U												
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.143	B	<	3.49	U	<	1.94	U	<	0.189	U	<	0.159	B	<	0.482	U
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	0.111	U				<	2.4	U	<	0.168	U	<	0.16	B	<	1.09	U
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC				<	3.09	U												

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection

PROVISIONAL

Quality Assurance Sample Results for Trace Metals in Surface Water and Groundwater

Date	Sample Id	Location	FP	Matrix	LSTC	FQC	Lab	Zn ug/L Sym	Zn ug/L Result	Zn ug/L LQC
09-24-01	GU01091GAA3	Spring 3	UF	WG	CS	FB	GELC			
09-25-01	GF01091WGRP-FLD	Pajarito at Rio Grande	F	WS	CS	FB	GELC	<	2.84	B
09-25-01	GU01091WGRP-FLD	Pajarito at Rio Grande	UF	WS	CS	FB	GELC			
08-03-01	GU01091GKNB	DI Blank	UF	WG	CS	PEB	GELC		50.4	
10-24-01	GF01101GKNB	DI Blank	UF	WG	CS	PEB	GELC	<	2.81	U
10-24-01	GU01101GKNB	DI Blank	UF	WG	CS	PEB	GELC			

Matrix	WS	Surface Water
	WG	Groundwater
Field Prep	UF	not filtered
	F	filtered
Lab Sample Type	CS	Client sample
QC Type	FB	Field Blank
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier Code	U	The material was analyzed for, but was not detected above the level of the associated numeric value. The associated numerical value is either the sample
	UN	Compound was analyzed for,but was not detected. - Spiked sample recovery not within control limits.
	B	Reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection

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Organics Detections in Surface Water and Groundwater for 2001

Location Name	Sample Id	Sample Date	Matrix	Fld Prep	Lab Sample Type	Dilution Factor	Suite	Analyte	Analyte Desc	Method	Result	Units	LQC	Lab Code
Sandia Spring	GU01091GSSW	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	9.9	ug/L	UJ	GELC
Sandia Spring	GU01092GSSW	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	9.9	ug/L	UJ	GELC
Spring 3	GU01091GAA3	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	10	ug/L	UJ	GELC
Spring 3	GU01091G3SW	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	9.9	ug/L	UJ	GELC
Spring 3	GU01091GAA3	09/24/01	WG	UF	CS	1	VOA	78-93-3	Butanone[2-]	SW-846:8260	8.4	ug/L		GELC
Spring 4	GU01091G4SW	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	10	ug/L	UJ	GELC
Spring 4A	GU01091GA4S	09/25/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	9.9	ug/L	UJ	GELC
Spring 5	GU01091G5SW	09/25/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	9.9	ug/L	UJ	GELC
Spring 6A	GU01091GA6S	09/25/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	10	ug/L	UJ	GELC
Spring 9	GU01091G9SW	09/25/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	10	ug/L	UJ	GELC
Spring 1	GU01091G1SW	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	9.9	ug/L	UJ	GELC
Spring 2	GU01091G2SW	09/24/01	WG	UF	CS	1	SVOA	109-06-8	Methylpyridine[2-]	SW-846:8270	10	ug/L	UJ	GELC

Matrix	WG	Groundwater
Field Prep	UF	not filtered
Lab Sample Typ	CS	Client sample
Lab	GELC	General Engineering Laboratory, Charleston SC
Lab Qualifier	UJ	(Organic) -Analyte has been tentatively identified and the associated numerical value is estimated based upon 1:1 response factor to the nearest eluting internal standard

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Set 10