



WESTERN NUCLEAR, INC.

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April 18, 2006

Mr. Gary S. Janosko, Chief
Uranium Processing Section
Division of Fuel Cycle Safety and Safeguards
U.S. Nuclear Regulatory Commission
MS T8 A33
Washington, DC 20555

SUBJECT: Source Material License SUA-56; Western Nuclear, Inc., Split Rock Uranium Mill Tailings Facility; Surface Water and Groundwater Monitoring Report

Dear Mr. Janosko:

The following transmits the results of the surface water and groundwater sampling results for the second half of 2005 for the Split Rock Uranium mill tailings facility. This monitoring was performed as required by license conditions 24 and 74.

On June 15, 2005 the above reference license was amended via license amendment number 98. This amendment changed both license conditions 24 and 74 to require a different suite of wells to be monitored and additional surface water monitoring locations than had been sampled previously. The amendment also changed the parameters that were analyzed and the frequency of monitoring from quarterly to semi-annual.

Figure 1 shows the location of the monitor wells and the surface water sample locations.

Table 1 presents the analytical results. Figures are also included in the attachment, which show the temporal changes in water quality for key constituents. Some of the wells have more historic data as they were part of the previous monitoring network. The remaining wells have limited historic data since they were only sampled as part of the characterization study.

In all cases the data indicate that surface water and groundwater quality are as expected and that the system is behaving as predicted.

If you have any questions, please contact me at your convenience.

Sincerely,

L. J. Corte

Lawrence J. Corte
President

by Lm

cc. Mark Thiesse, WDEQ

SPLIT ROCK MILLSITE GROUNDWATER AND SURFACE WATER MONITORING RESULTS

WATER QUALITY REPORT

SECOND HALF 2005

Prepared For:

**NUCLEAR REGULATORY COMMISSION
11545 Rockville Pike
Rockville, Maryland 20852**

Prepared By:



G
consulting
scientists and
engineers

**3801 Automation Way, Suite 100
Fort Collins, Colorado 80525**

April 2006

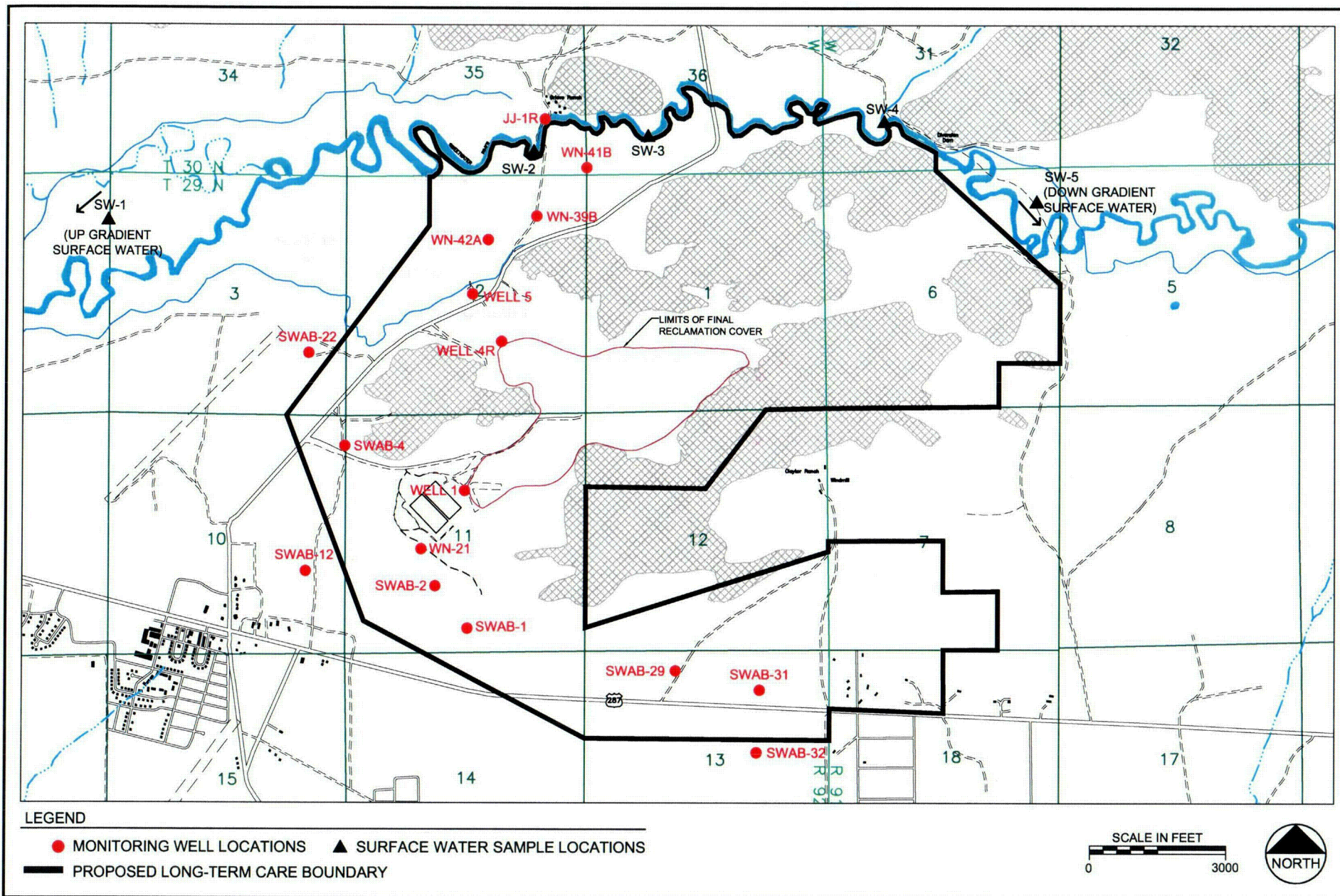


FIGURE 1
SURFACE WATER AND GROUND WATER MONITORING LOCATIONS

MFG, Inc.
consulting scientists and engineers

Date:	APRIL 2006
Project:	003-347/2006
File:	GW-MONIT-01.DWG

**Semi-Annual Groundwater and Surface
Water Compliance Monitoring Results
Second Half of Year 2005**

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

2nd Half-2005 (Sampled: 9/19/2005 to 9/21/2005)

Parameter	Groundwater			Surface Water			
	SWAB-32	SWAB-4	SW-1	SW-2	SW-3	SW-4	SWR-5
Aluminum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia as N (mg/L)	0.05	9.1	0.06	0.05	0.05	0.07	0.06
Arsenic (D) (mg/L)	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium (D) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride (mg/L)	12	35	8	13	14	16	23
Cond Field (uS/cm)	511	1260	347	437	442	442	692
Lead (C) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Molybdenum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	1.09	34.5	<0.2	<0.2	<0.2	<0.2	<0.2
pH Field (std. units)	7.68	7.05	8.47	8.35	8.34	8.42	8.39
pH Lab (std. units)	8.15	7.71	8.39	8.35	8.37	8.35	8.38
Radium-226 (D) (pCi/L)	<1	1.7+/-1	<1	<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2	<2	<2	<2	<2	<2
Selenium (D) (mg/L)	0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sulfate (mg/L)	49	435	33	43	44	44	59
TDS (mg/L)	360	1180	196	278	280	272	300
Temp Field (C)	9.5	12.33	12.38	12.72	8.34	13.94	11.61
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	0.136	0.82	0.004	0.007	0.008	0.008	0.018
Water Elevation (ft)	6275.03	6292.61					

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

2nd Half-2005 (Sampled: 9/19/2005 to 9/21/2005)

Groundwater

Parameter	WELL-1	WELL-4R	WELL-5	WN-21	WN-39B	WN-41B	WN-42A
Aluminum (D) (mg/L)	<0.1	1.5	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia as N (mg/L)	13.4	219	0.24	3.51	0.06	<0.05	0.24
Arsenic (D) (mg/L)	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium (D) (mg/L)	<0.001	0.018	0.001	<0.001	<0.001	<0.001	0.001
Chloride (mg/L)	64	104	124	14	38	382	53
Cond Field (uS/cm)	3600	4980	3270	910	1470	2530	4340
Lead (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (D) (mg/L)	3.47	78.7	0.33	0.66	<0.05	<0.05	0.29
Molybdenum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05	0.44	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	51.1	59.7	54	11.9	15.3	<0.2	19.8
pH Field (std. units)	6.39	6	6.56	7.3	7.45	8.03	6.79
pH Lab (std. units)	7.14	6.89	7.26	7.89	7.79	8.23	7.39
Radium-226 (D) (pCi/L)	1.1+/-1	<1	<1	<1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2	<2	<2	<2	<2	<2
Selenium (D) (mg/L)	0.01	0.024	0.021	<0.005	<0.005	<0.005	0.037
Sulfate (mg/L)	1400	2860	1750	160	339	360	2180
TDS (mg/L)	3300	4460	3800	550	1010	1410	4400
Temp Field (C)	10	9.3	9.6	10.6	9.4	10.78	10.8
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	3.95	0.405	2.05	0.189	0.408	0.01	1.11
Water Elevation (ft)	6295.83	6286.55	6282.21	6295.84	6268.8	6269.53	6275.87

WNI Split Rock Mill

Groundwater And Surface Water Quality

Quarterly Report

2nd Half-2005 (Sampled: 9/19/2005 to 9/21/2005)

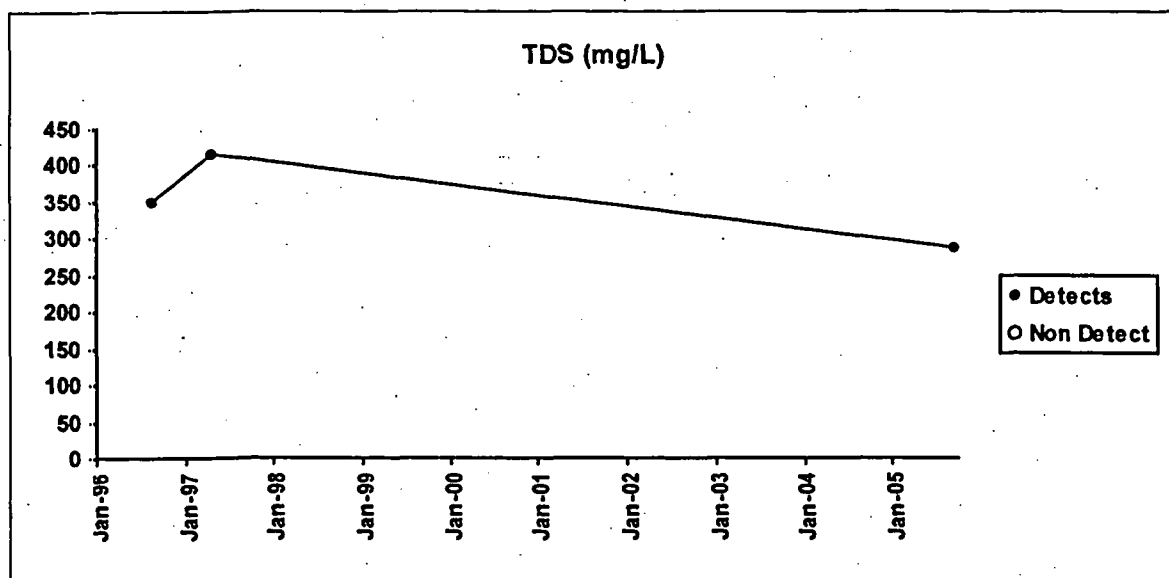
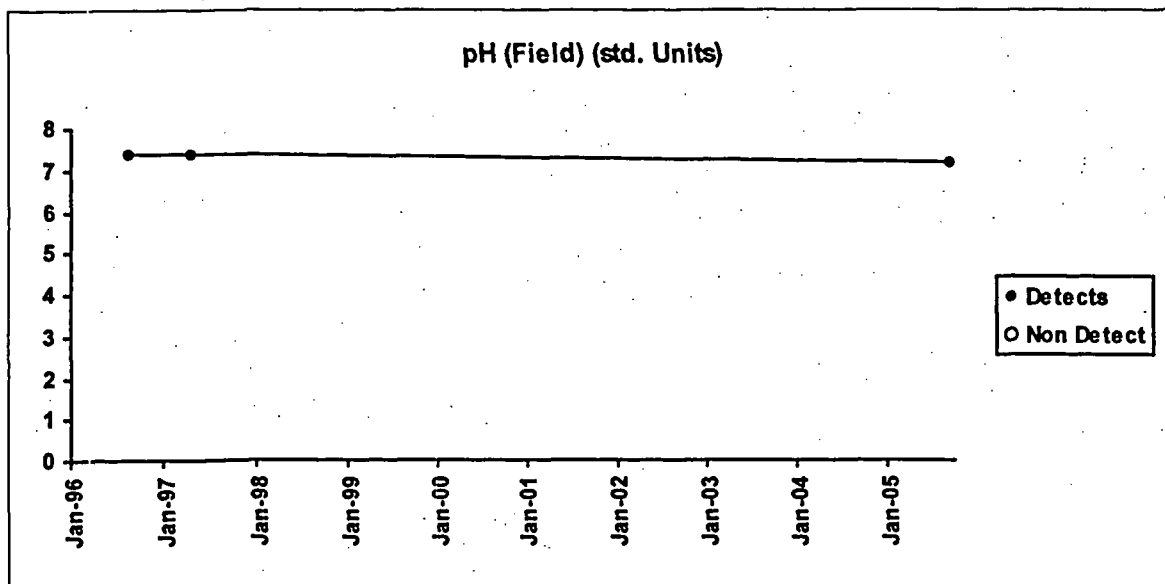
Groundwater

Parameter	JJ-1R	SWAB-1	SWAB-12	SWAB-2	SWAB-22	SWAB-29	SWAB-31
Aluminum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ammonia as N (mg/L)	0.1	0.69	<0.05	72	<0.05	0.05	<0.05
Arsenic (D) (mg/L)	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium (D) (mg/L)	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
Cadmium (D) (mg/L)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Chloride (mg/L)	12	17	21	42	15	6	8
Cond Field (uS/cm)	672	1410	586	3190	380	3600	2346
Lead (D) (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (D) (mg/L)	0.25	0.08	<0.05	8.15	0.07	<0.05	<0.05
Molybdenum (D) (mg/L)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel (D) (mg/L)	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate + Nitrite as N (mg/L)	<0.2	57.9	<0.2	197	0.6	<0.2	1.42
pH Field (std. units)	7.17	7.3	7.48	6.76	7.32	7.01	7.3
pH Lab (std. units)	7.71	7.84	8.02	7.36	7.86	7.89	8.06
Radium-226 (D) (pCi/L)	<1	<1	<1	1+/-1	<1	<1	<1
Radium-228 (D) (pCi/L)	<2	<2	<2	2.4+/-2	<2	<2	<2
Selenium (D) (mg/L)	<0.005	<0.005	0.005	0.01	<0.005	<0.005	0.009
Sulfate (mg/L)	40	390	103	1260	41	28	27
TDS (mg/L)	288	1230	400	3390	294	318	236
Temp Field (C)	11.55	12.9	13.88	11.7	7.32	14.66	10.94
Thorium-230 (D) (pCi/L)	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Uranium (D) (mg/L)	0.01	0.725	0.059	1.45	0.023	0.055	0.033
Water Elevation (ft)		6293.18	6295.82	6295.07	6289	6280.43	6273.06

GROUNDWATER

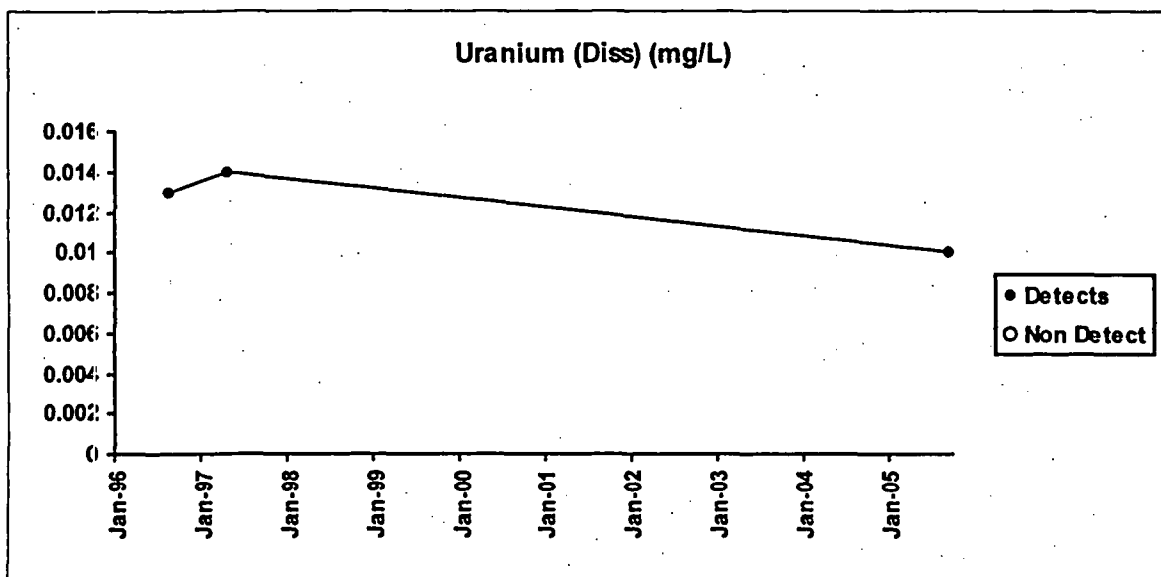
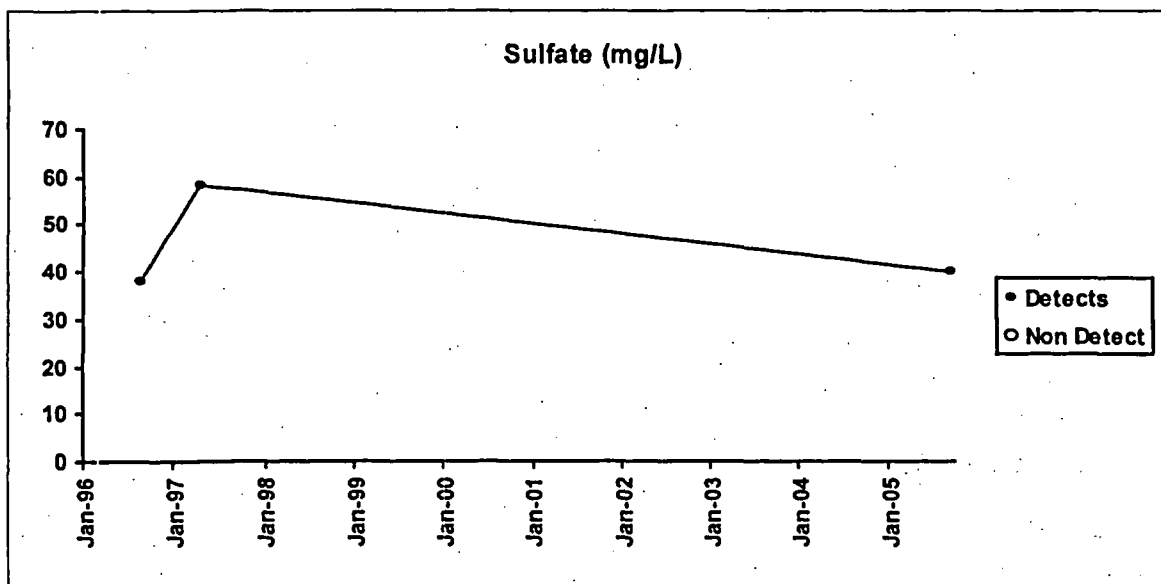
Jeffrey City

JJ-1R



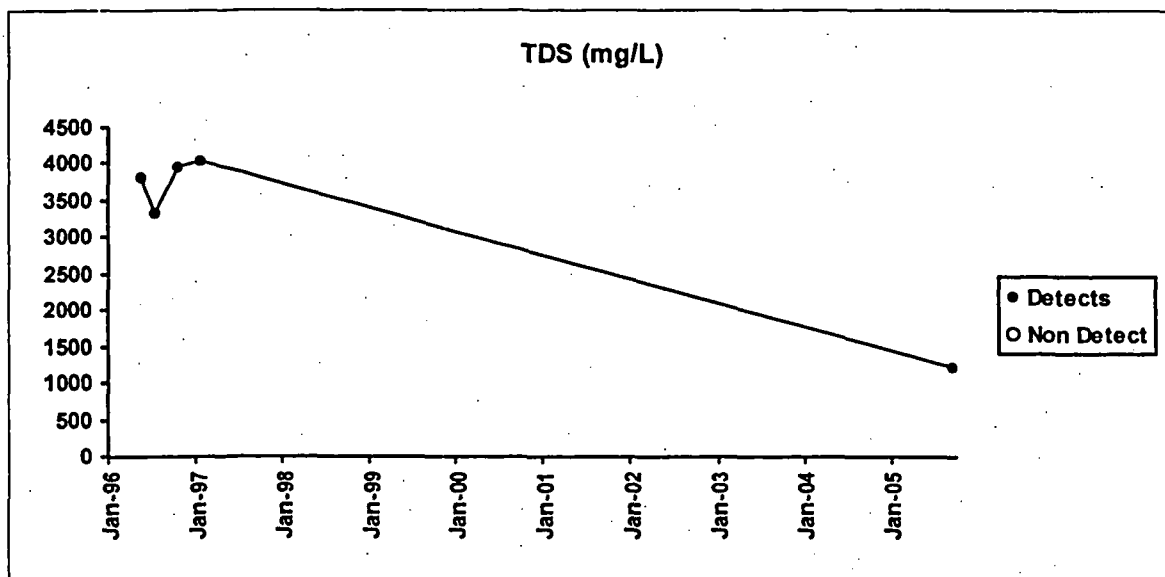
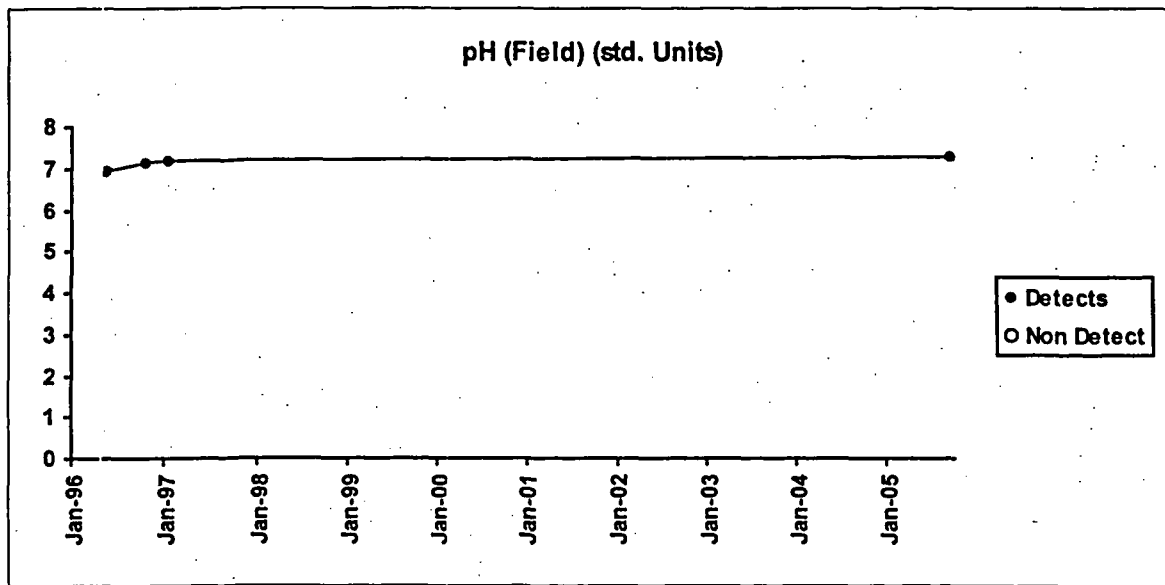
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JJ-1R



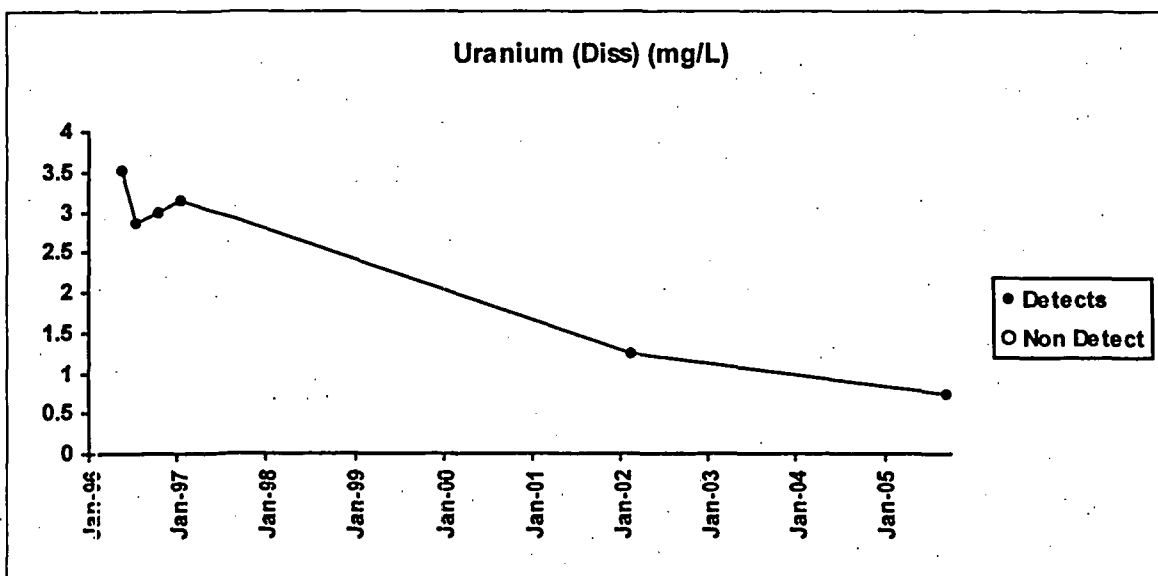
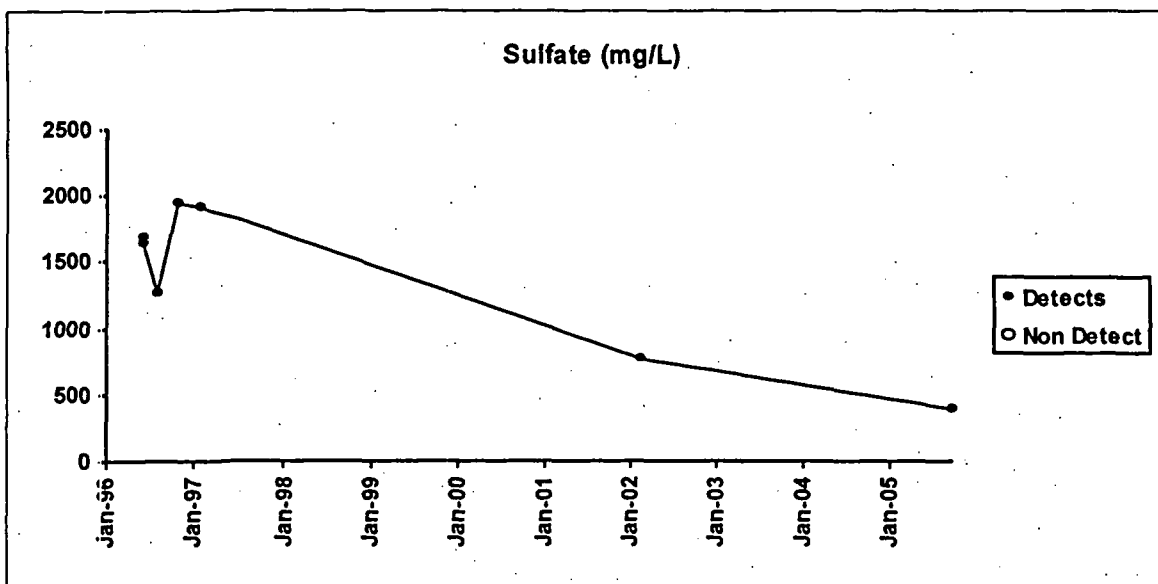
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SWAB-1



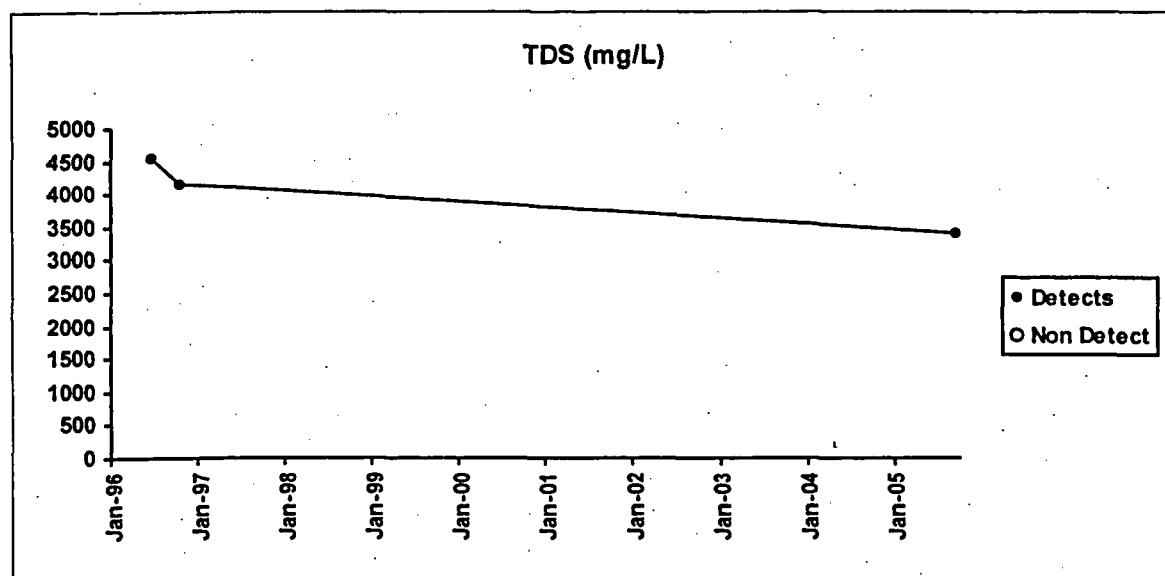
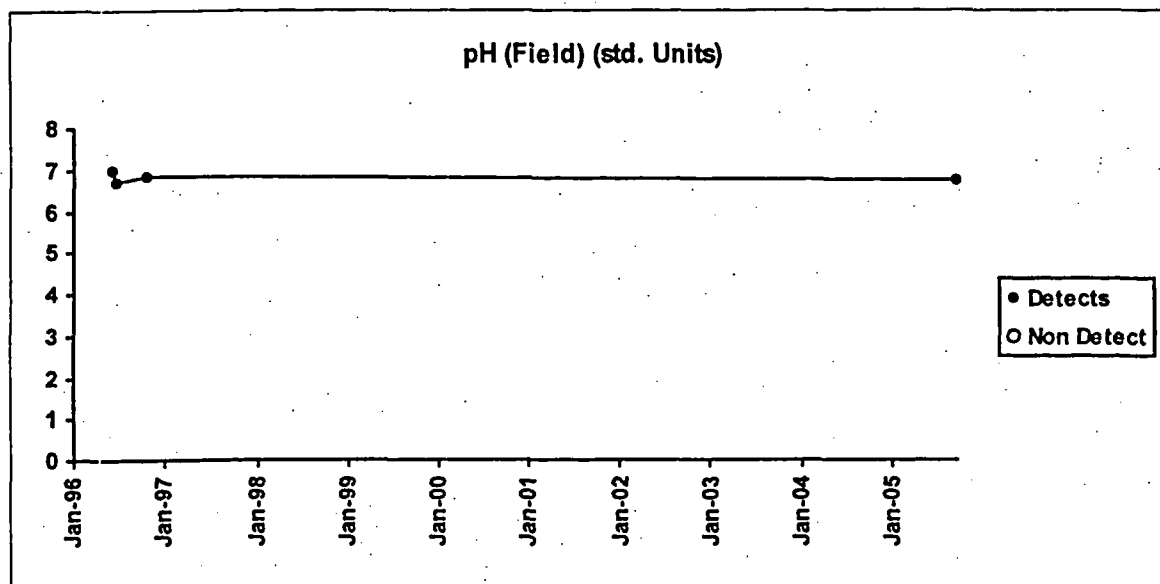
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SWAB-1



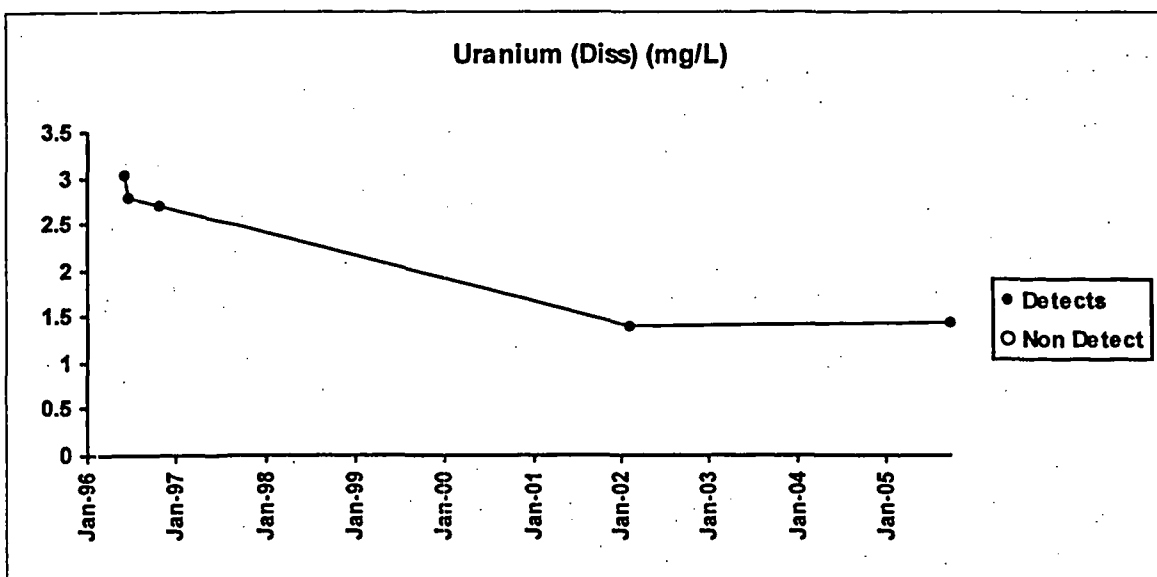
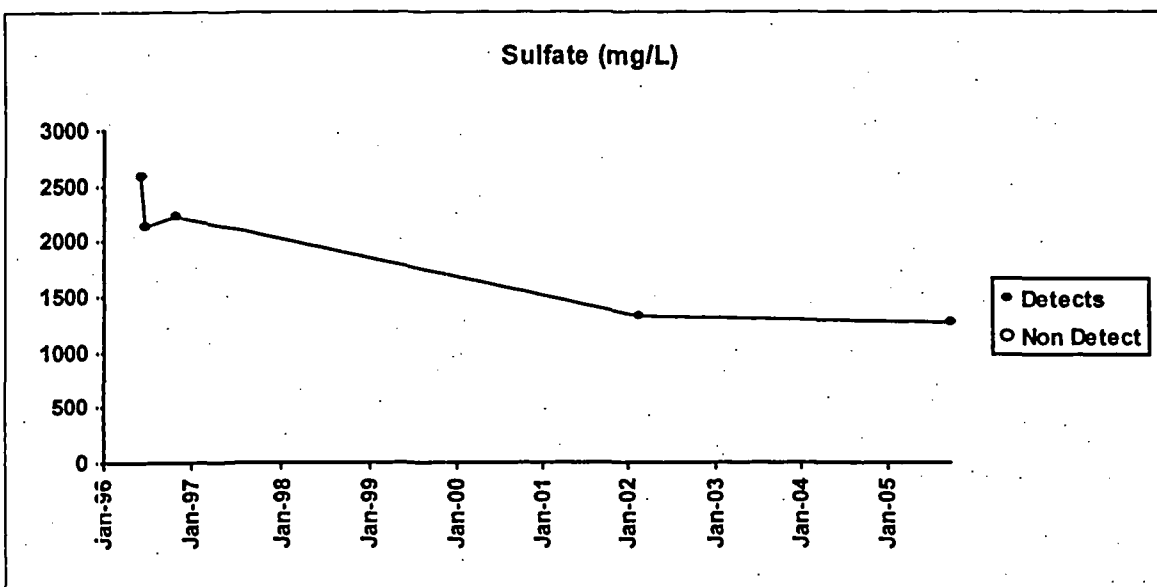
Jeffrey City

SWAB-2



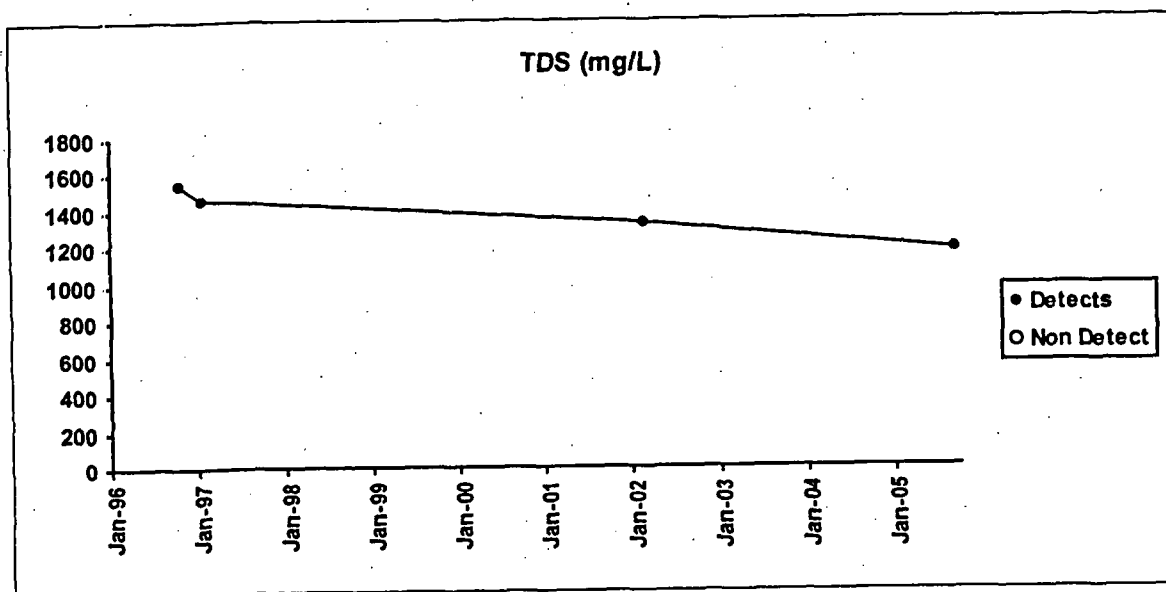
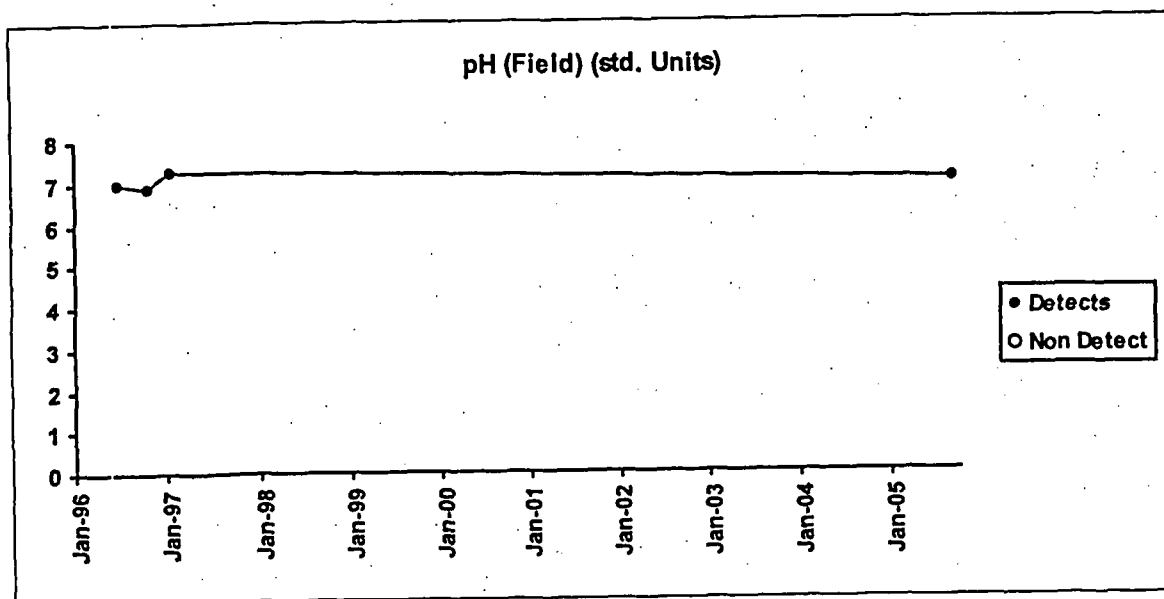
Jeffrey City

SWAB-2



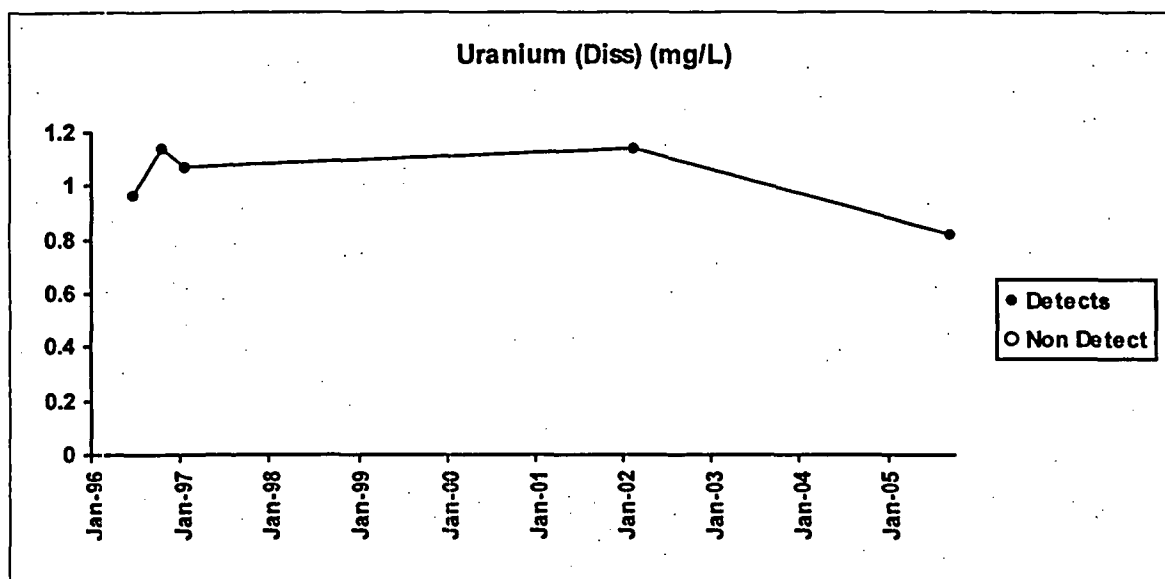
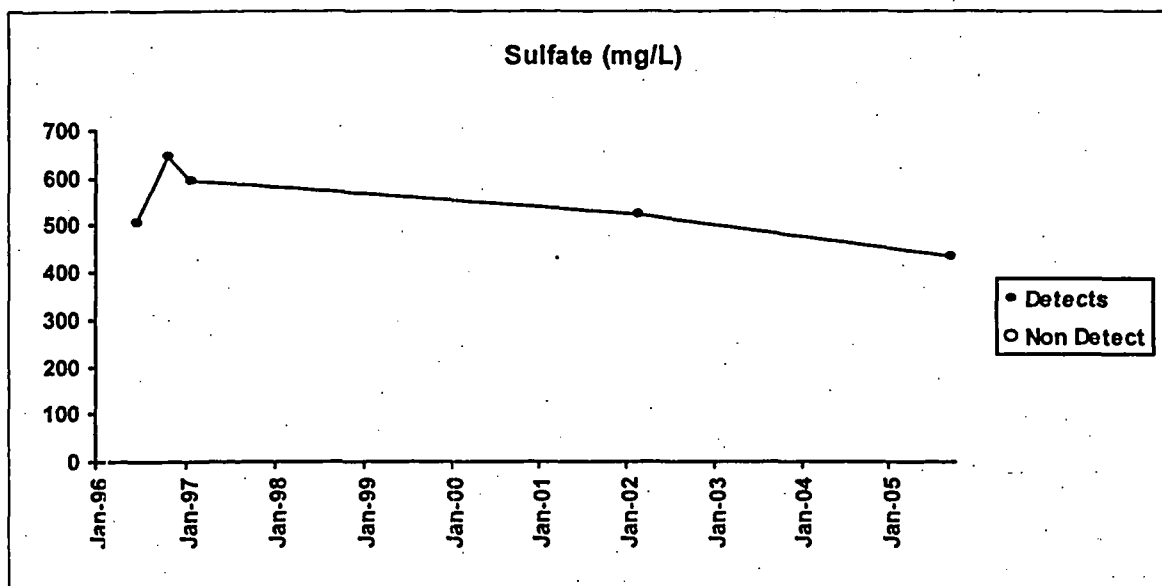
Jeffrey City

SWAB-4



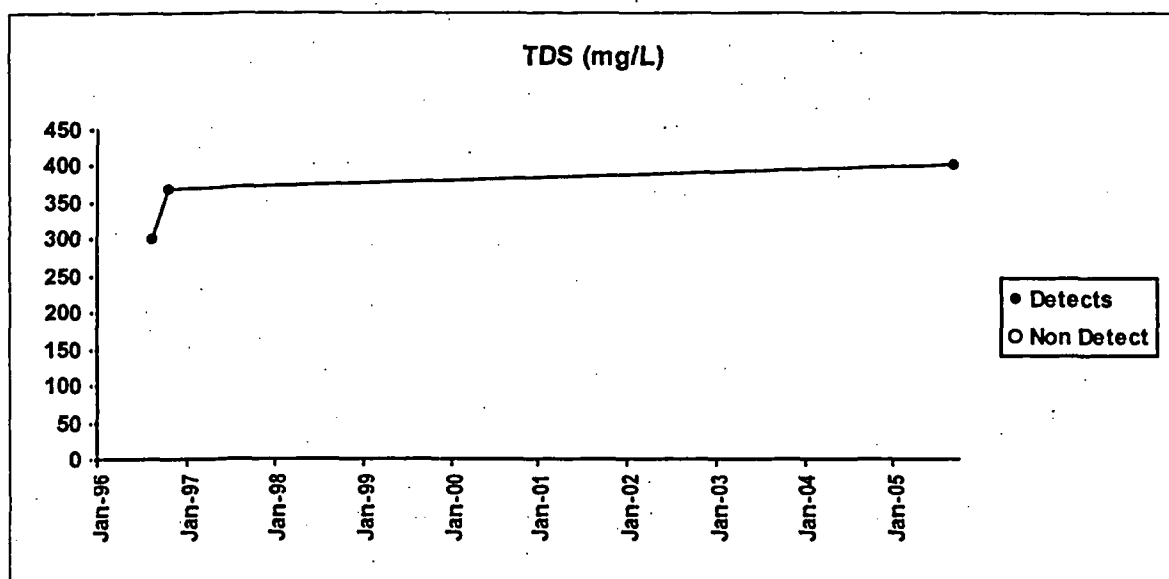
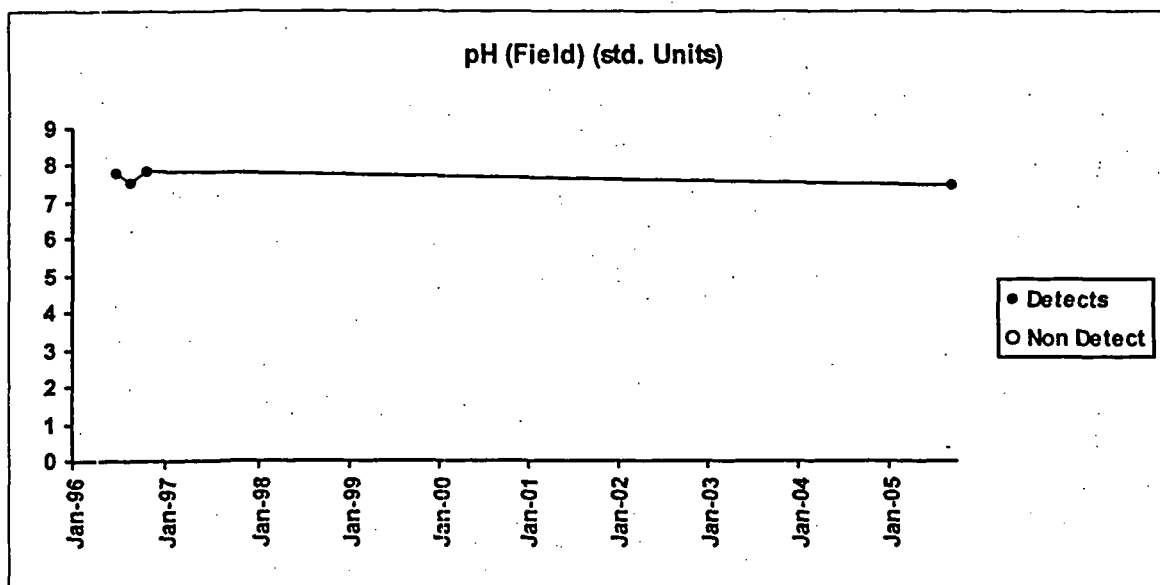
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SWAB-4



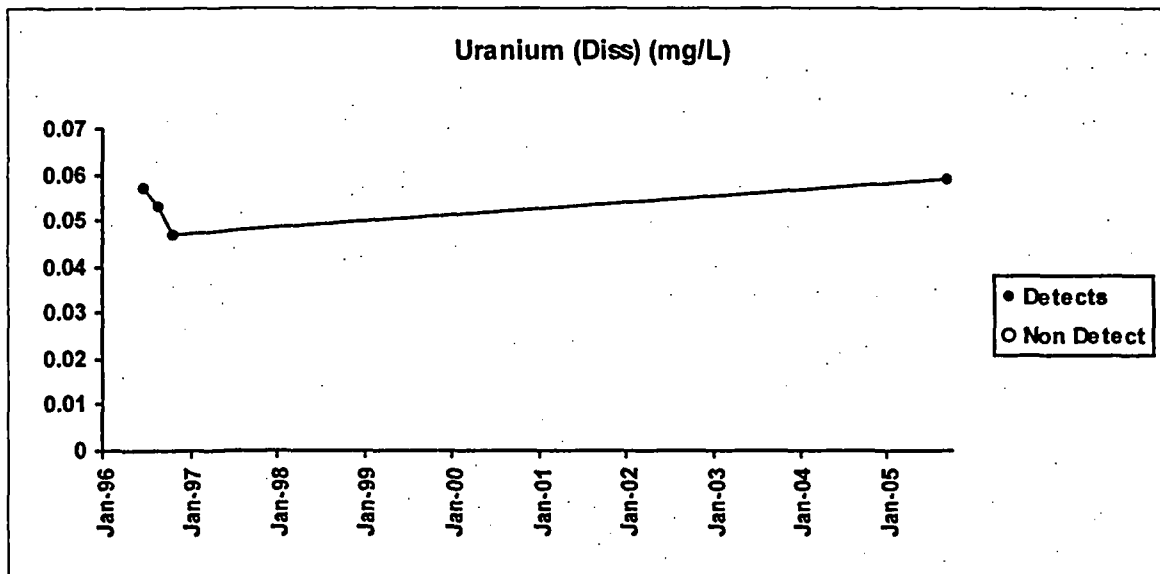
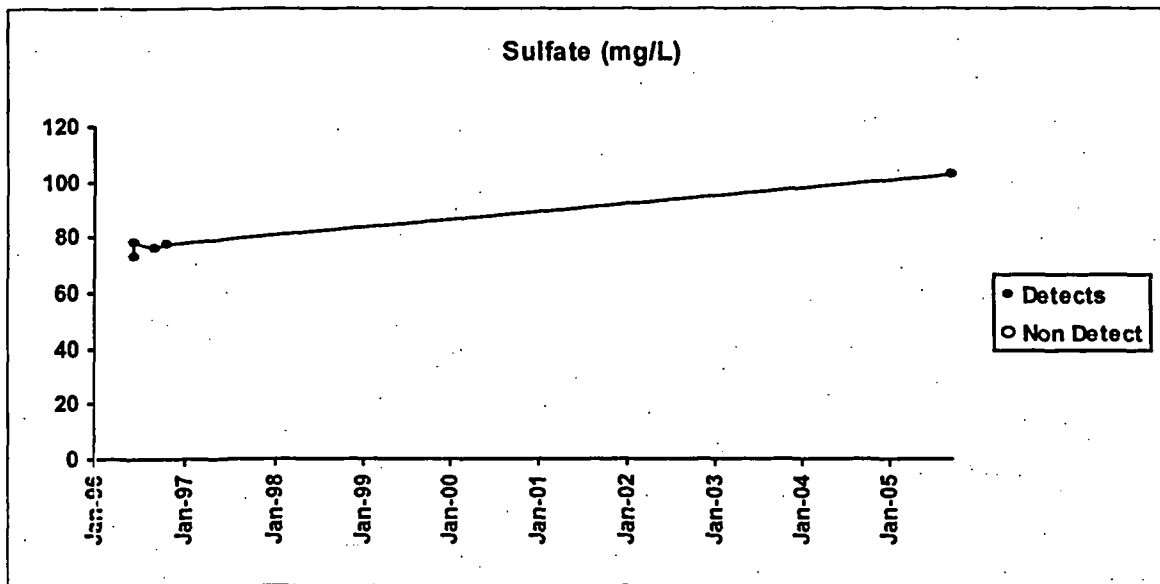
Jeffrey City

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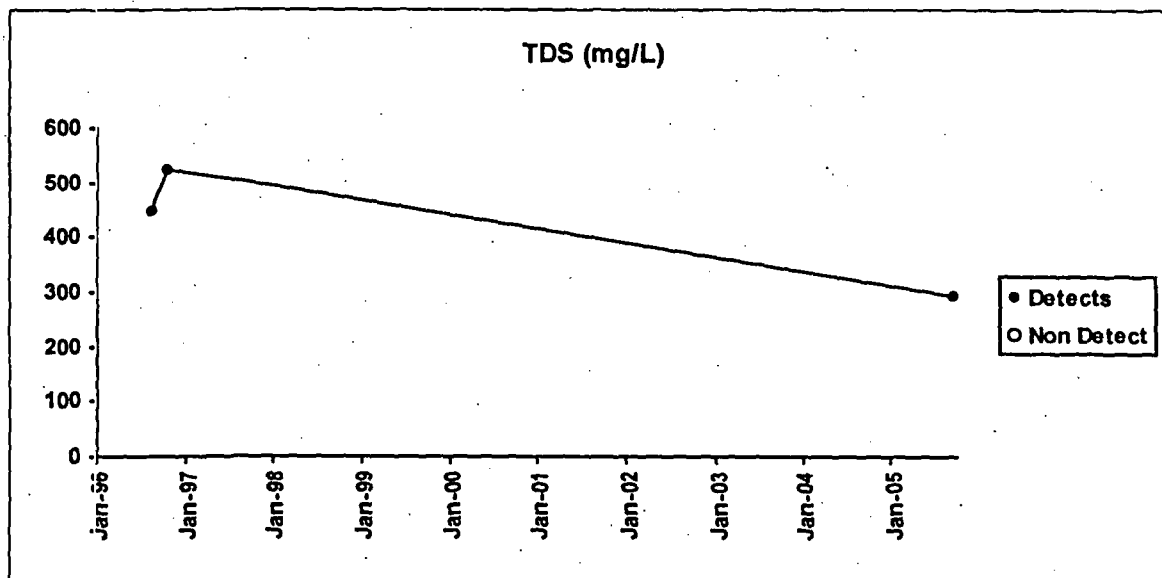
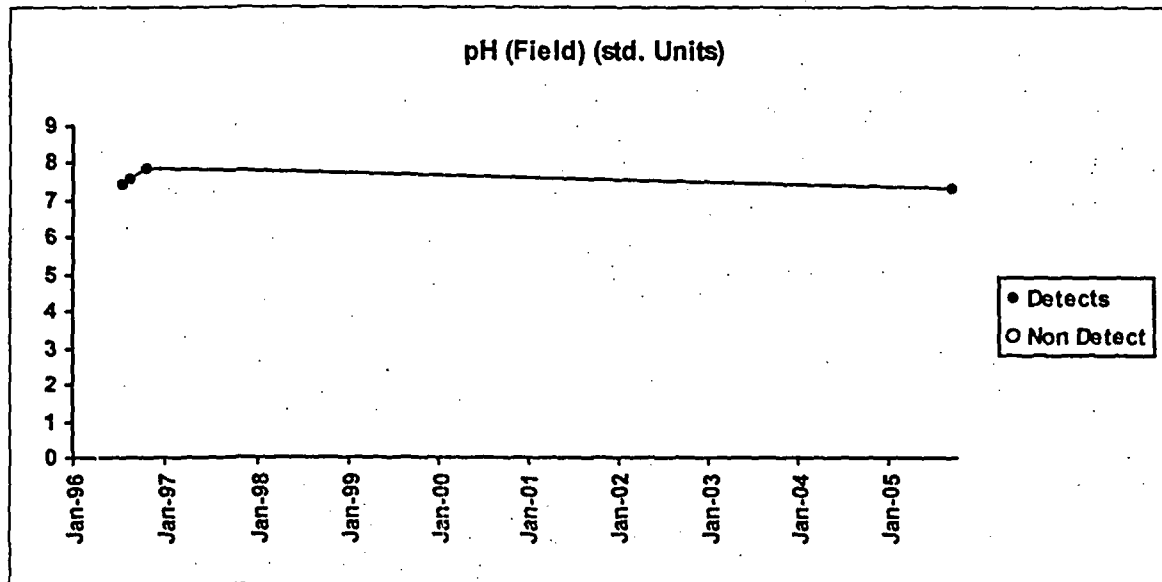
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SWAB-12



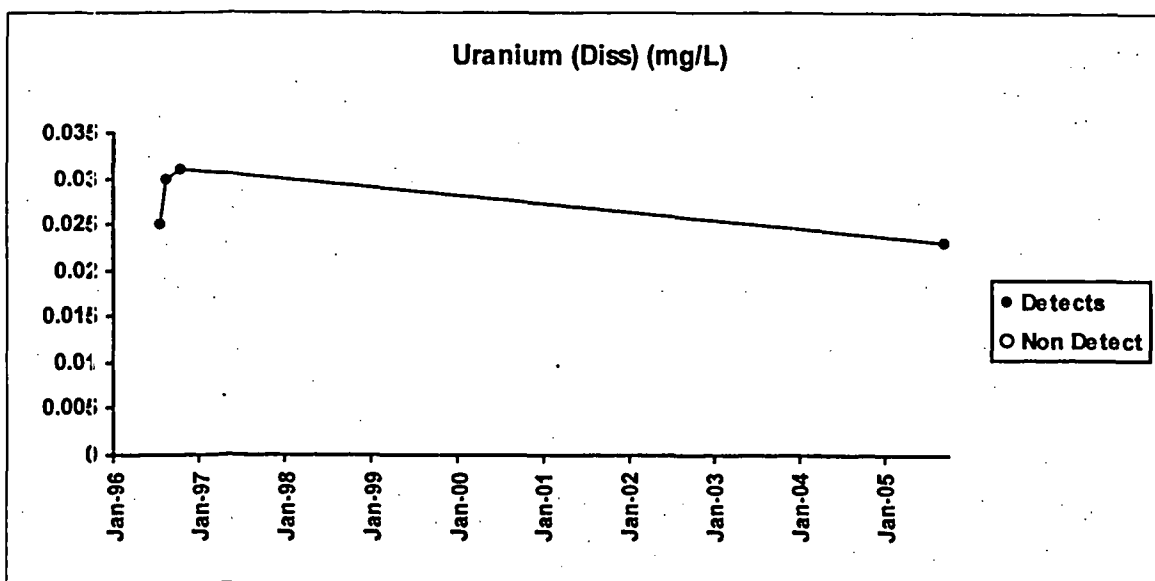
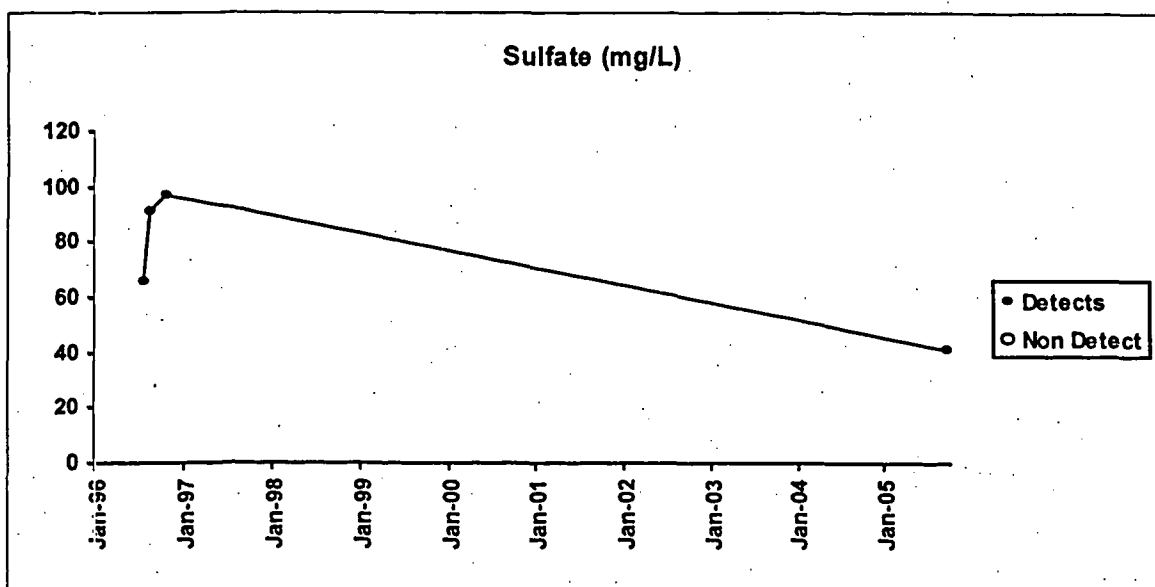
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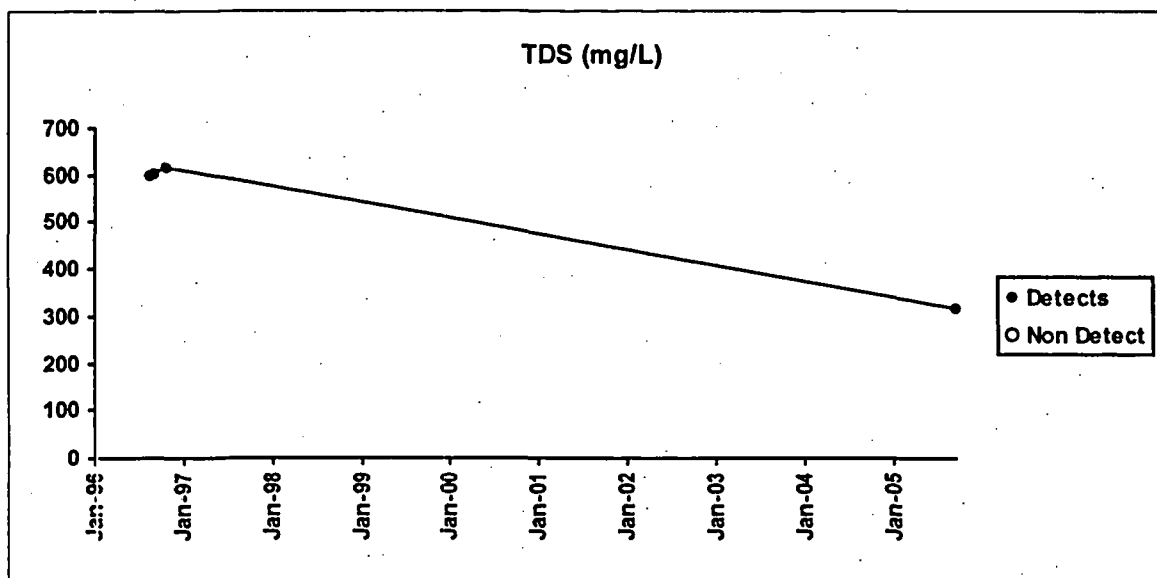
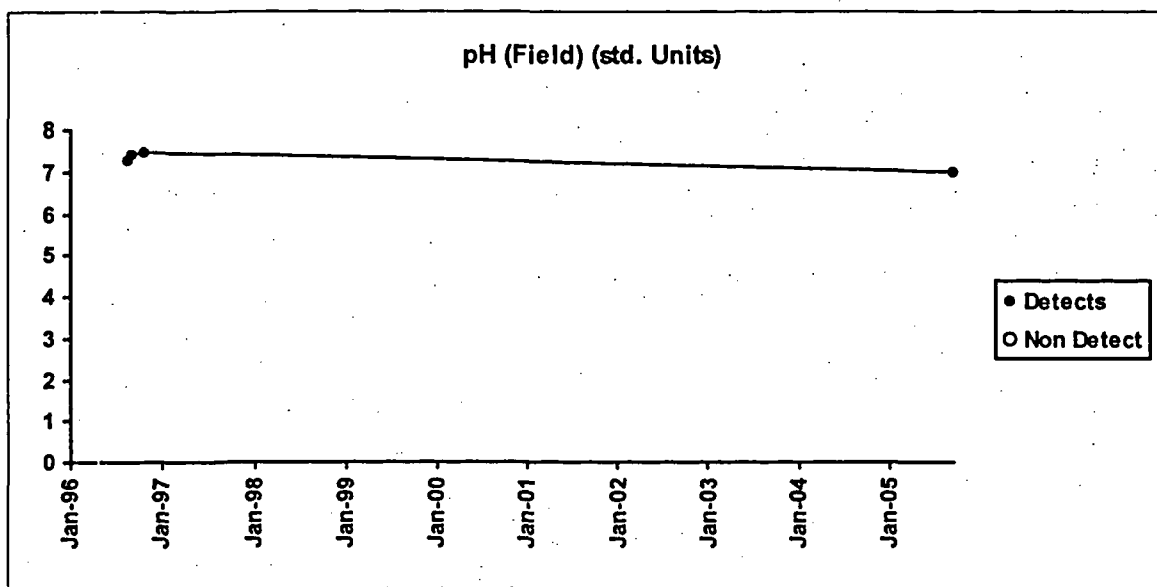
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SWAB-22



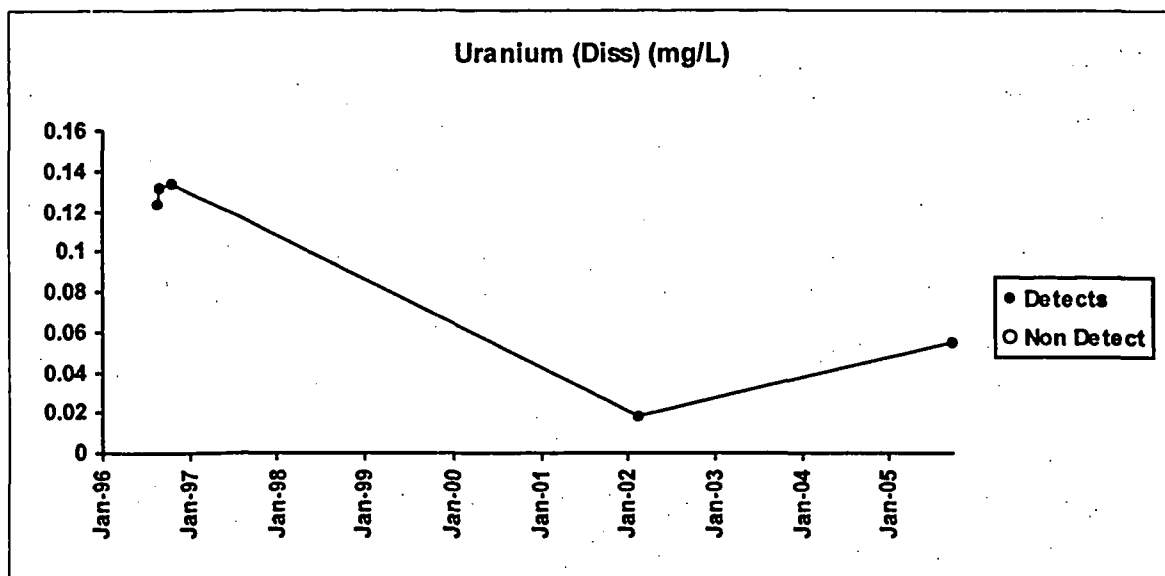
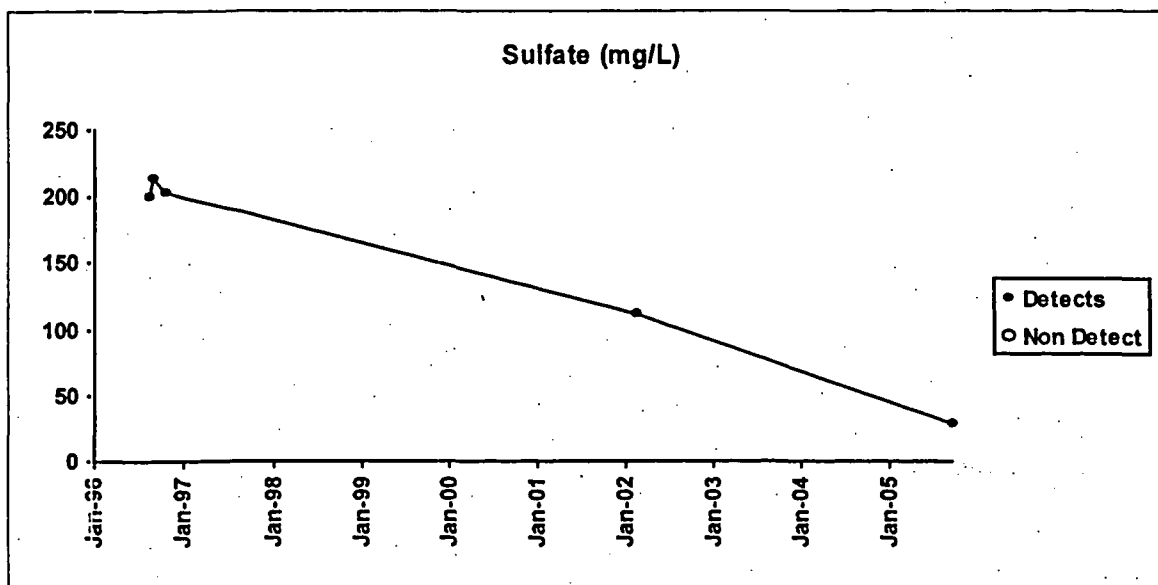
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SWAB-29



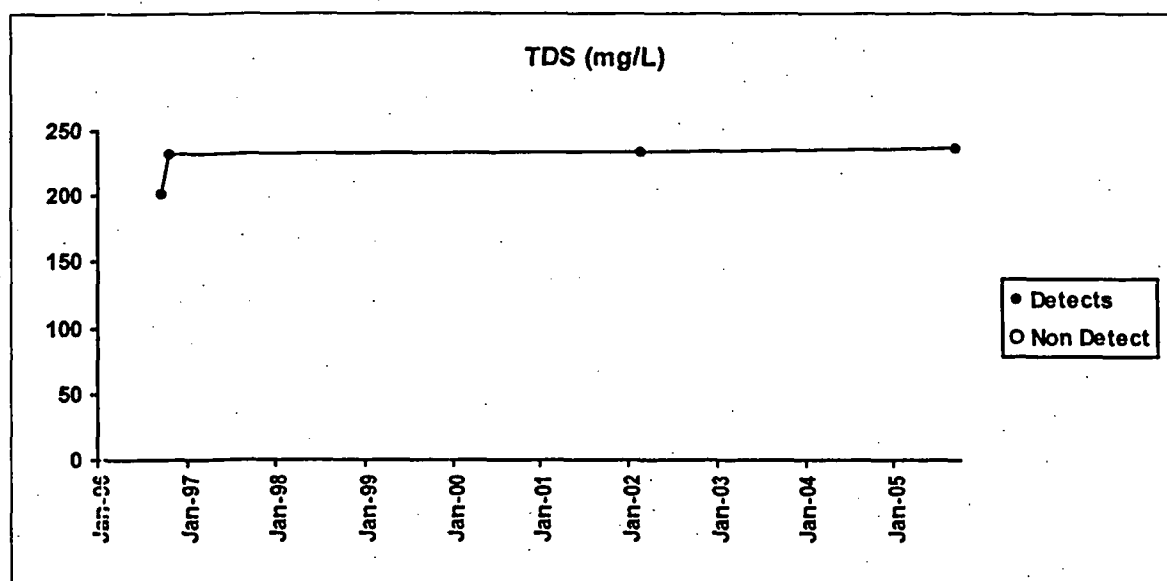
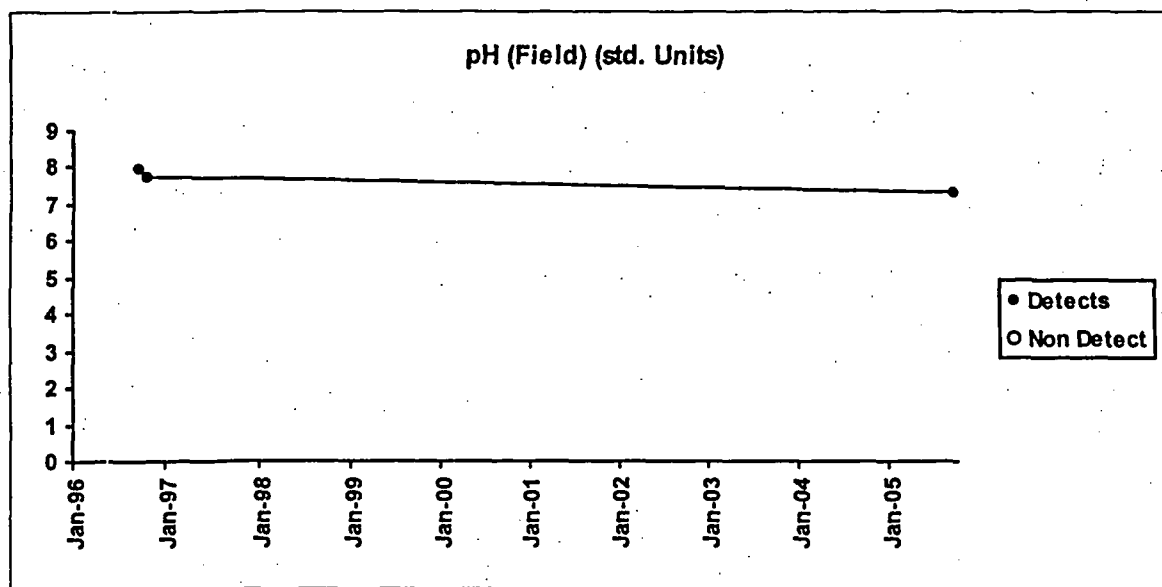
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SWAB-29



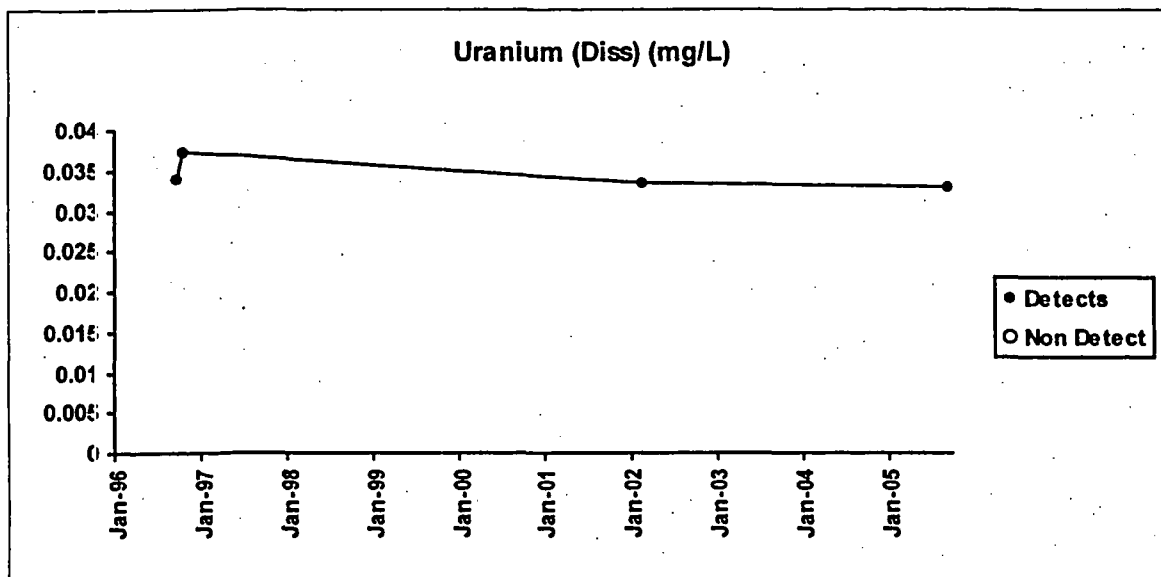
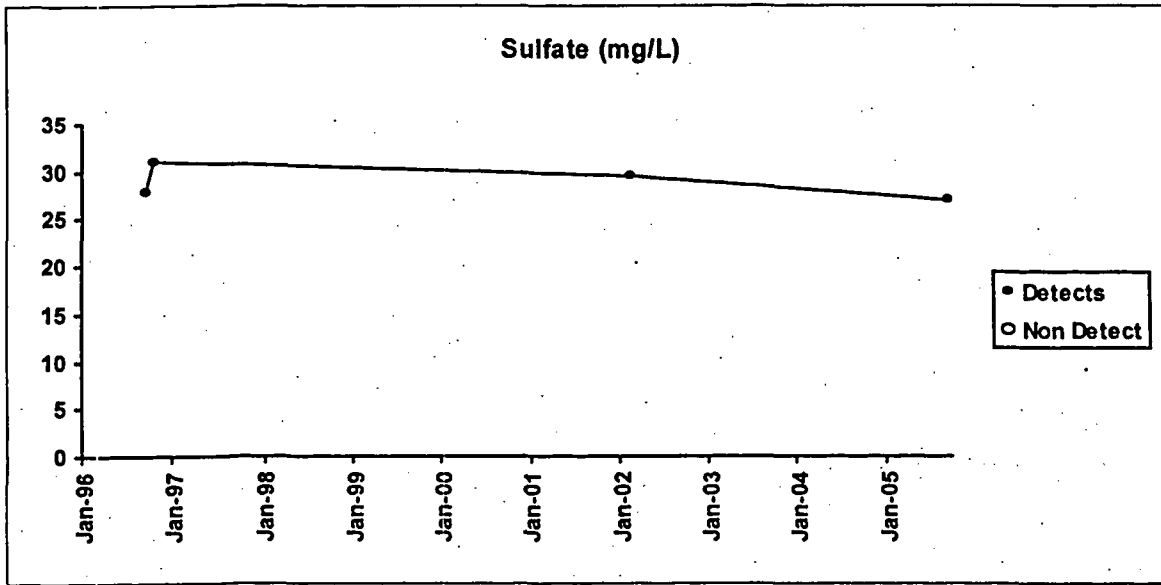
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SWAB-31



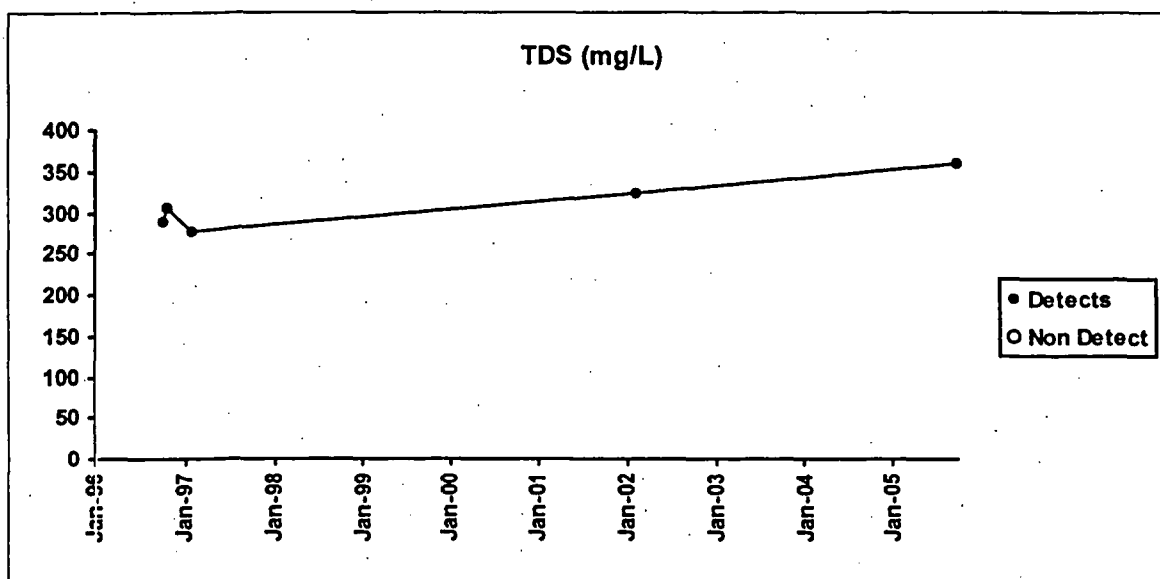
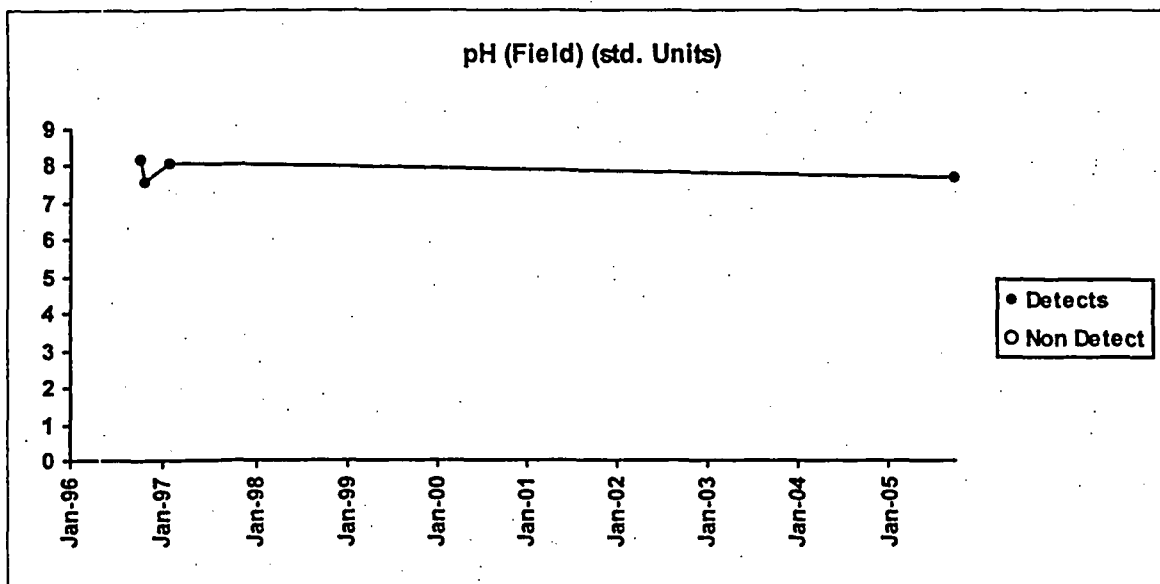
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SWAB-31



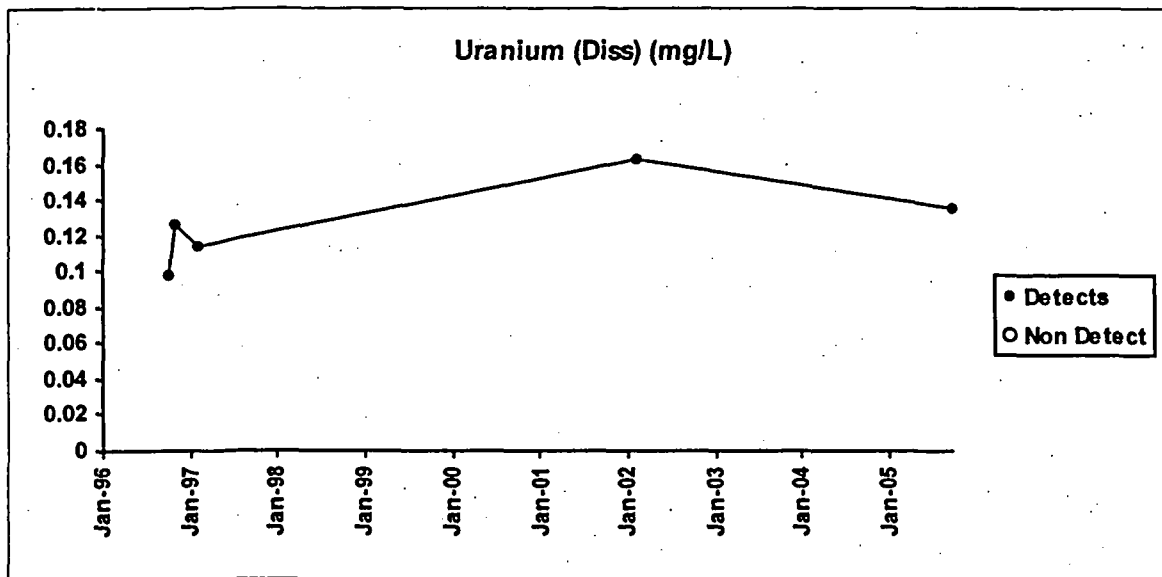
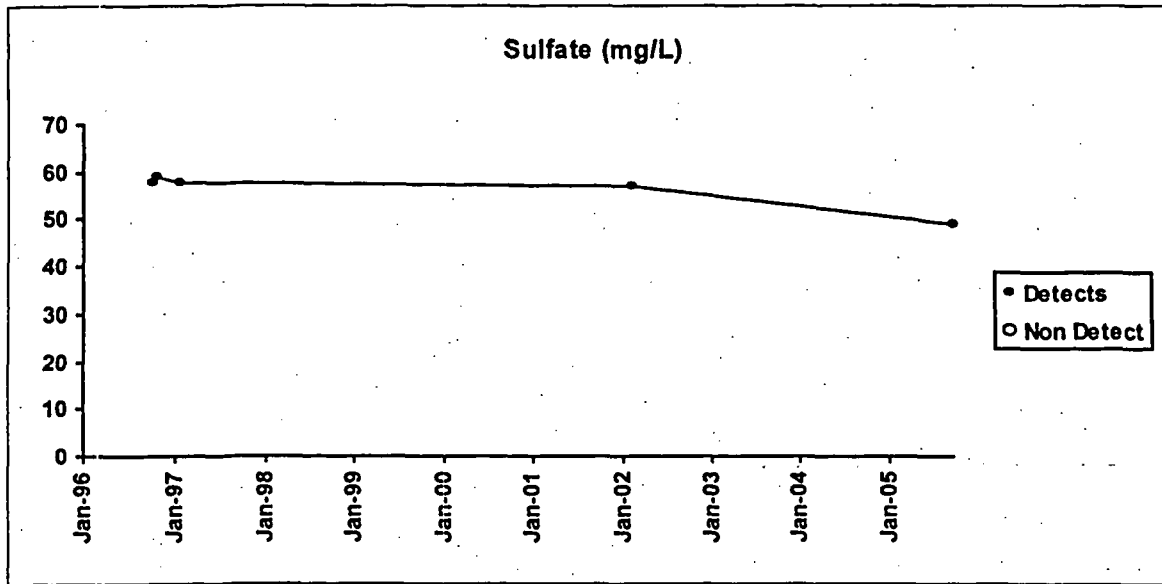
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SWAB-32



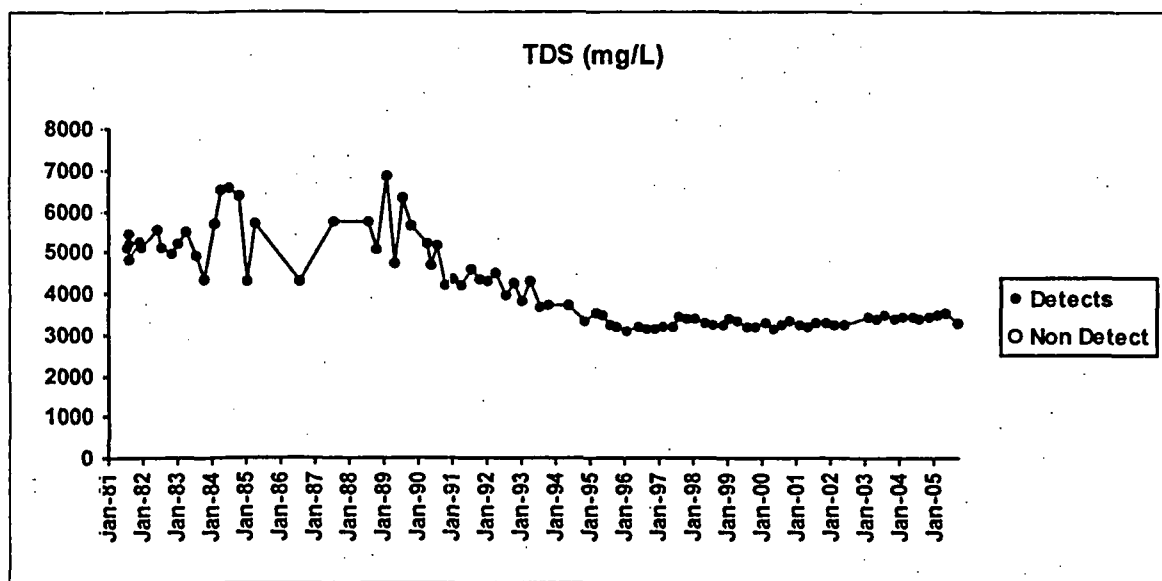
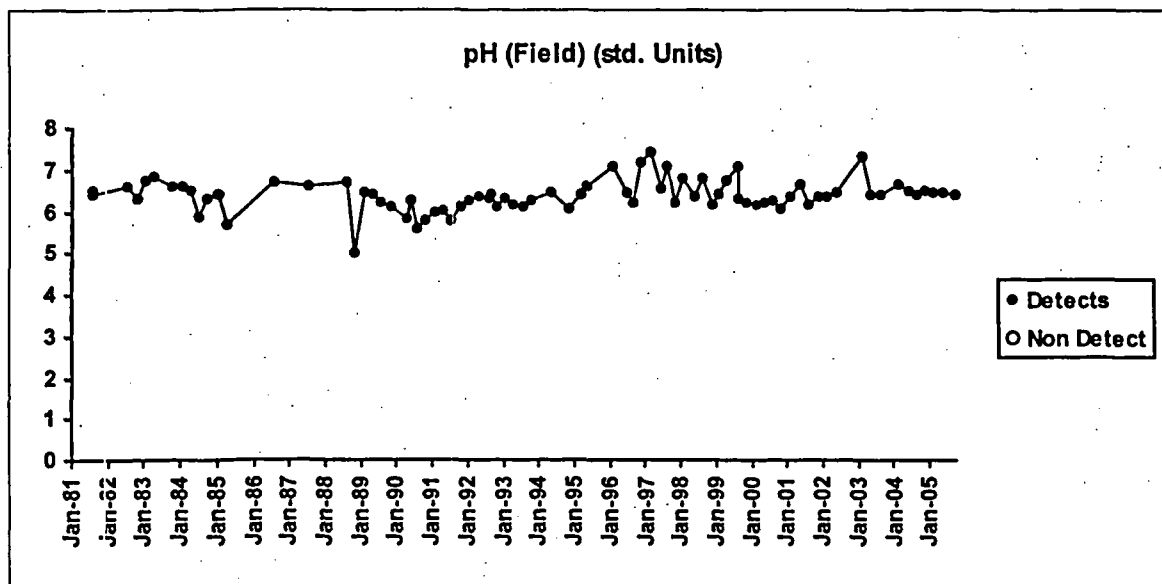
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SWAB-32



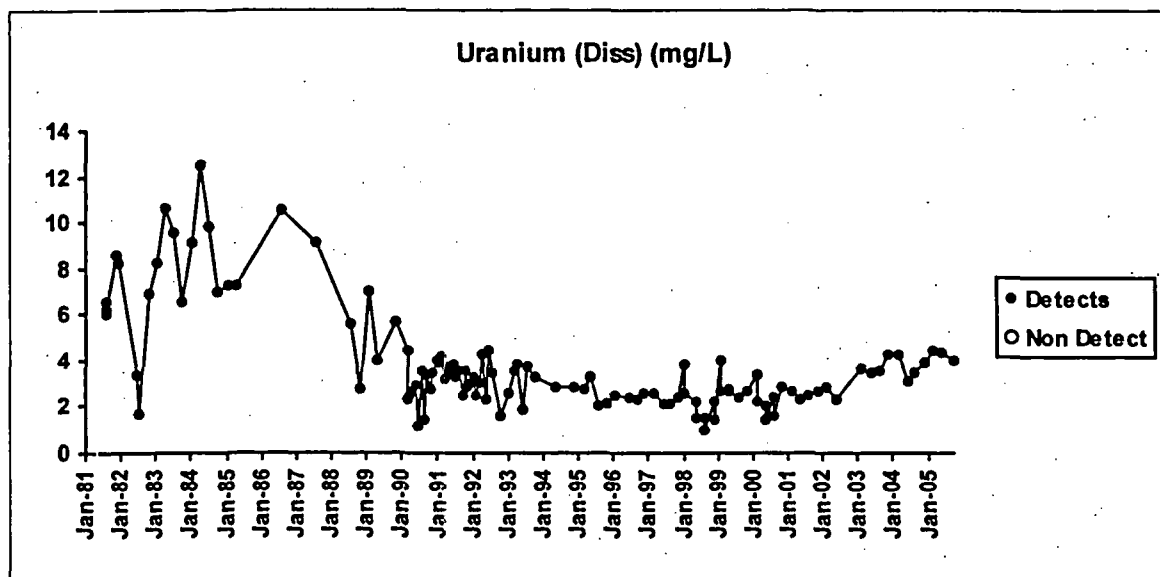
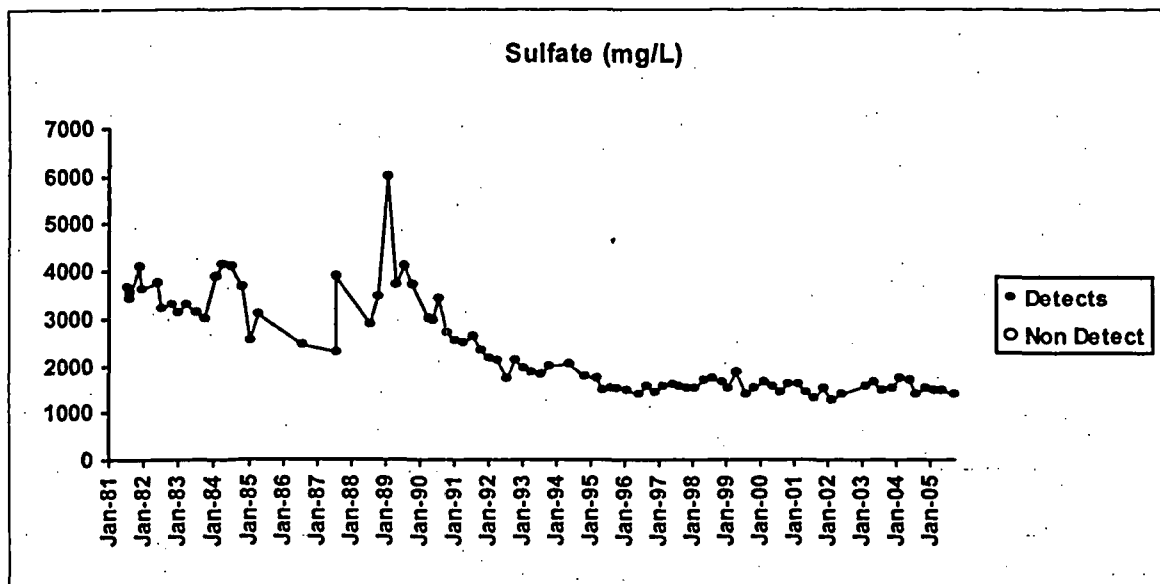
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WELL-1



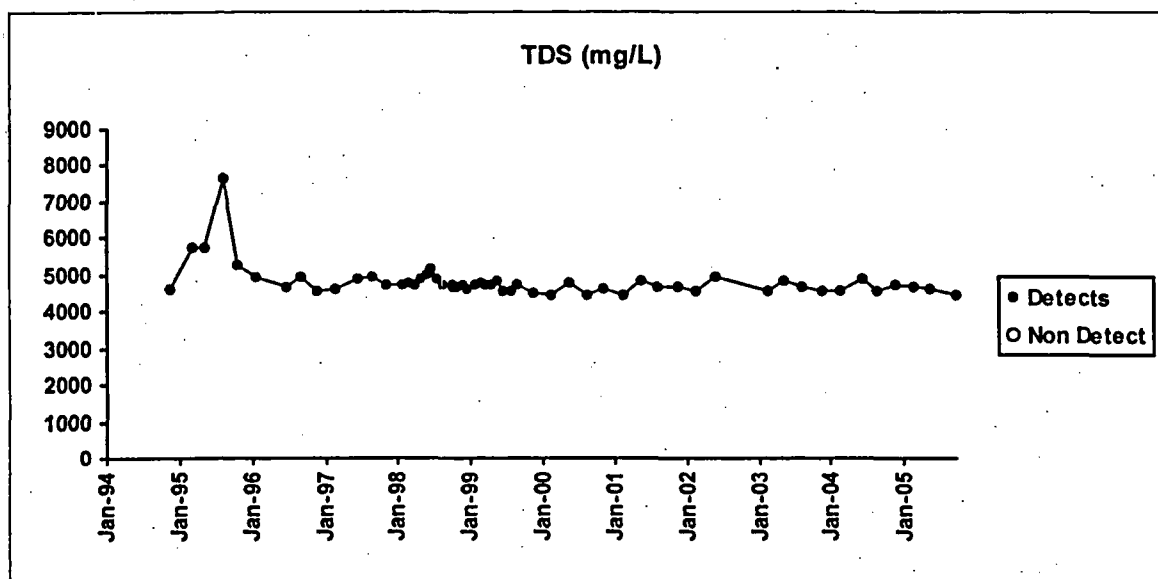
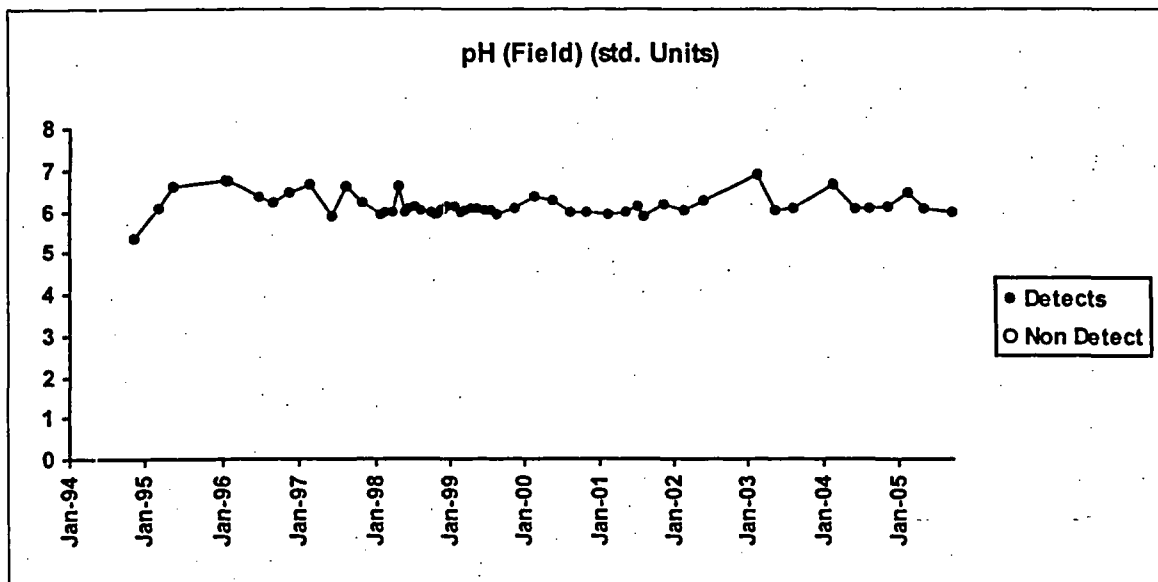
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WELL-1



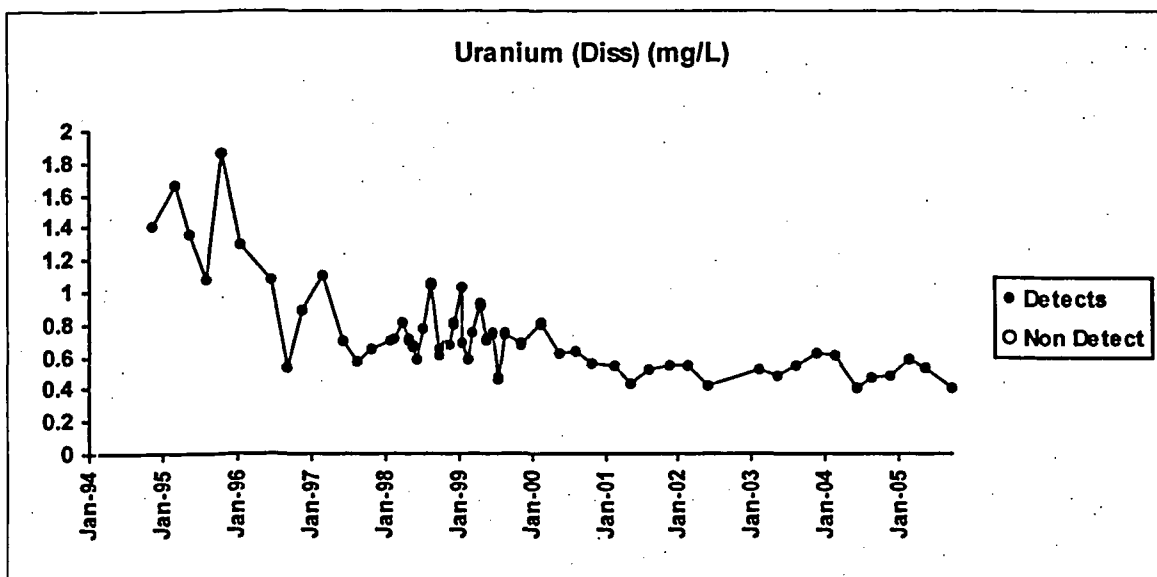
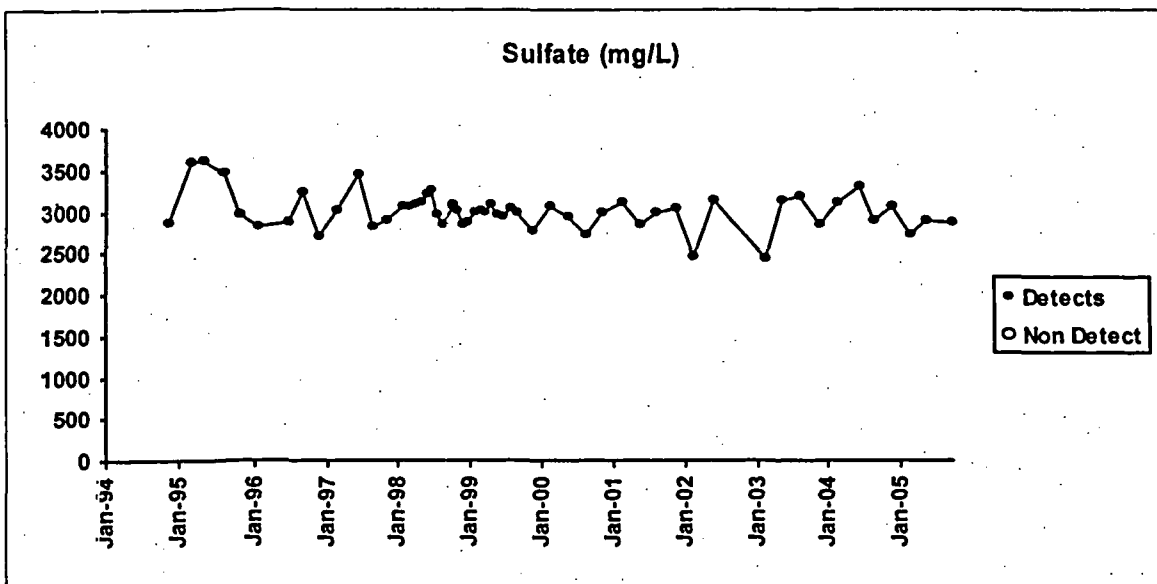
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WELL-4R



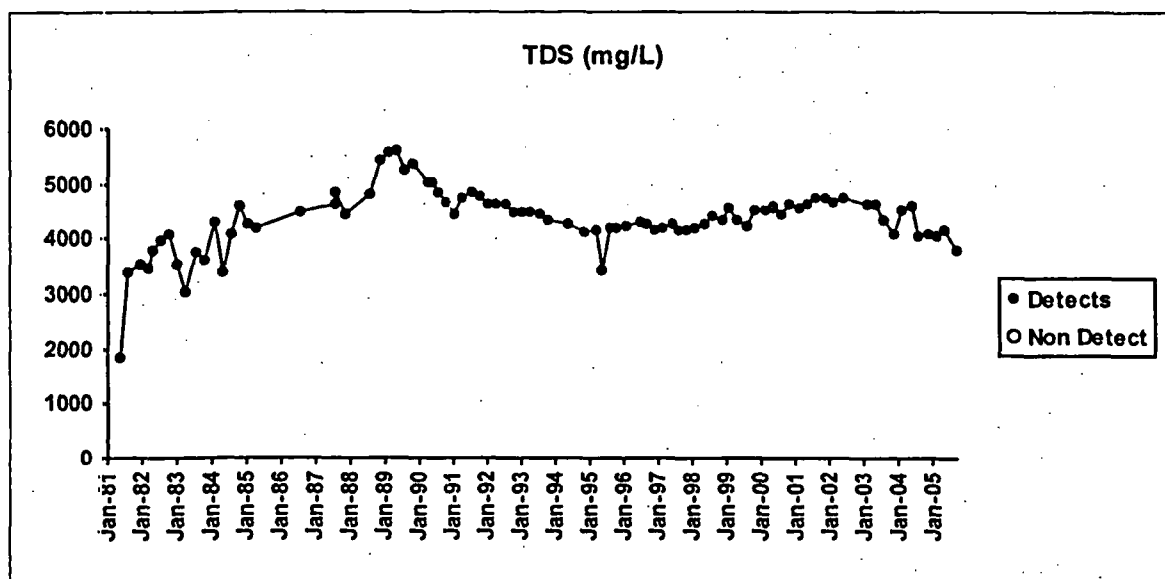
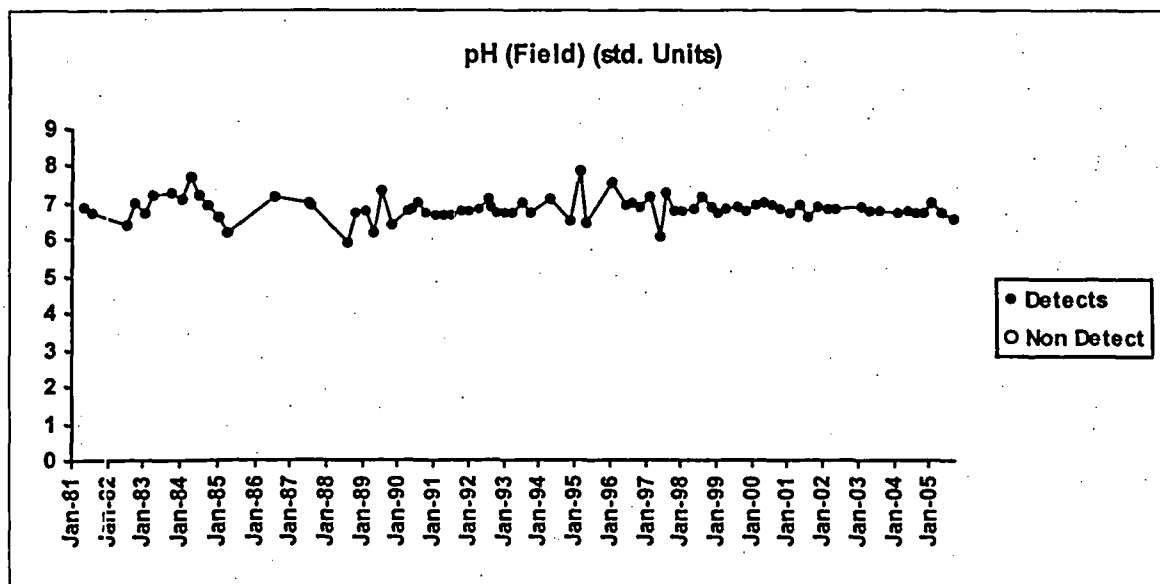
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WELL-4R



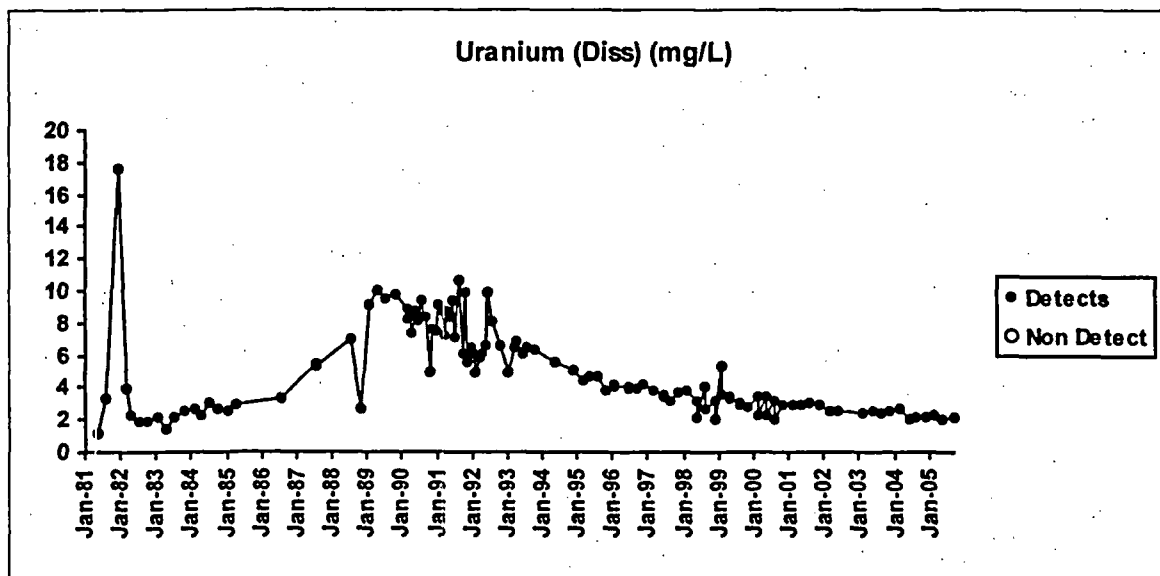
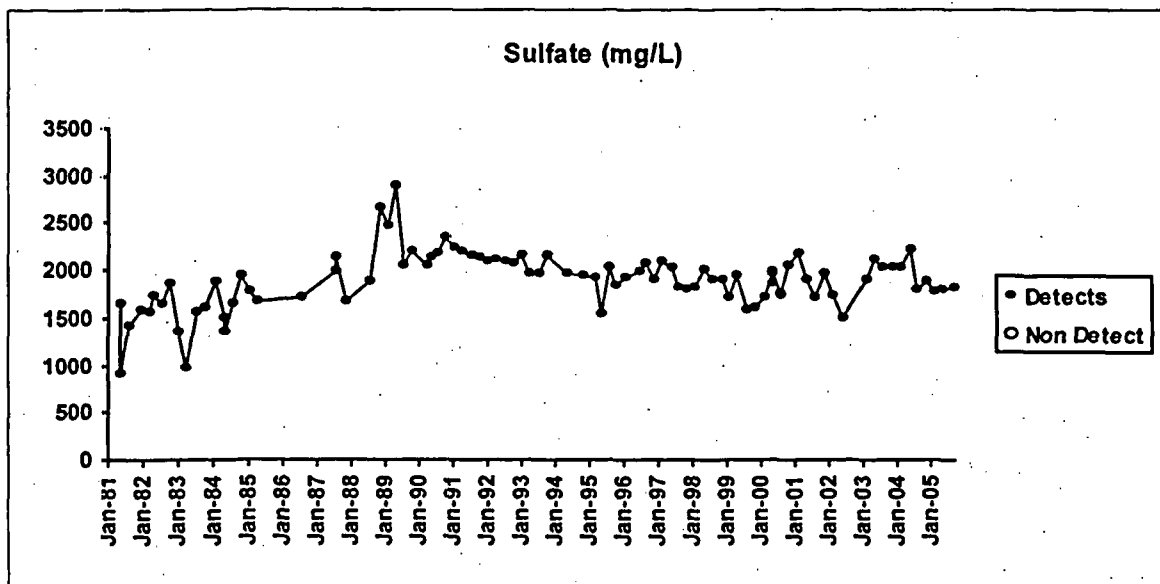
Jeffrey City

WELL-5



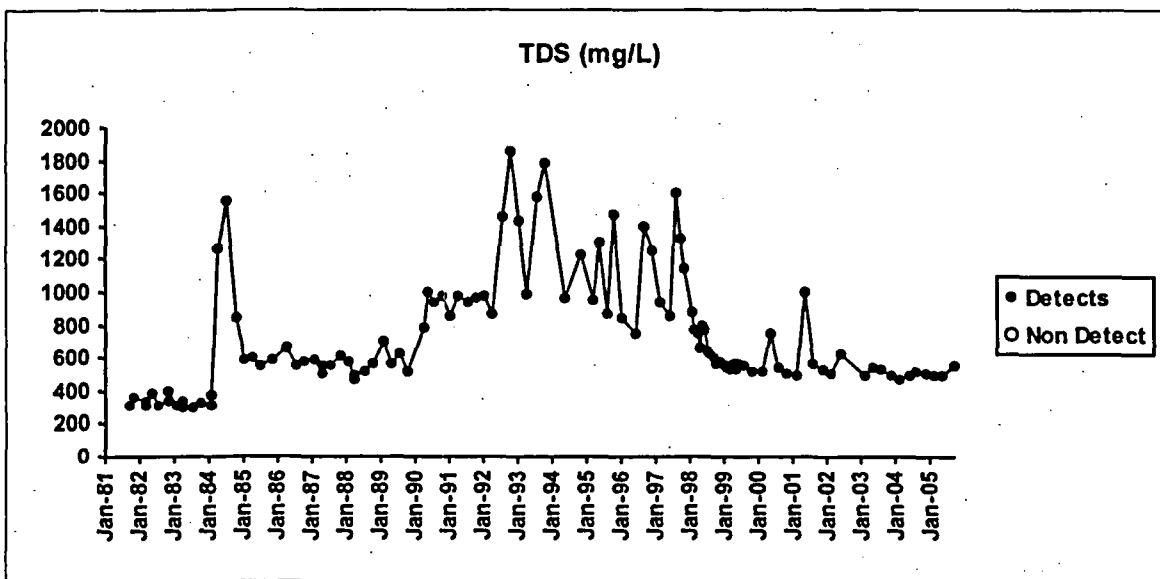
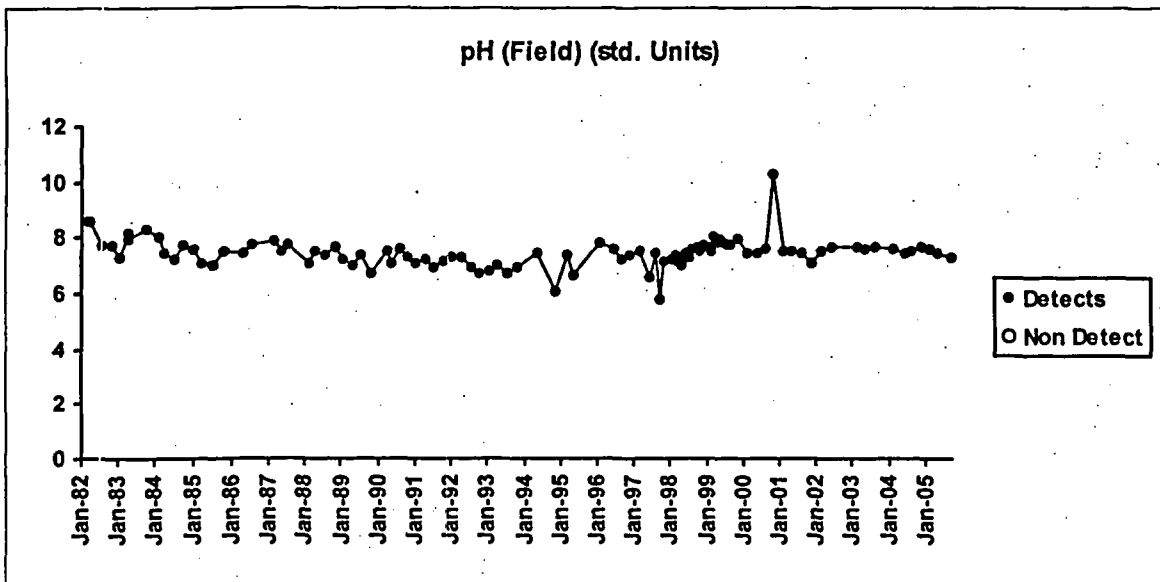
Jeffrey City

WELL-5



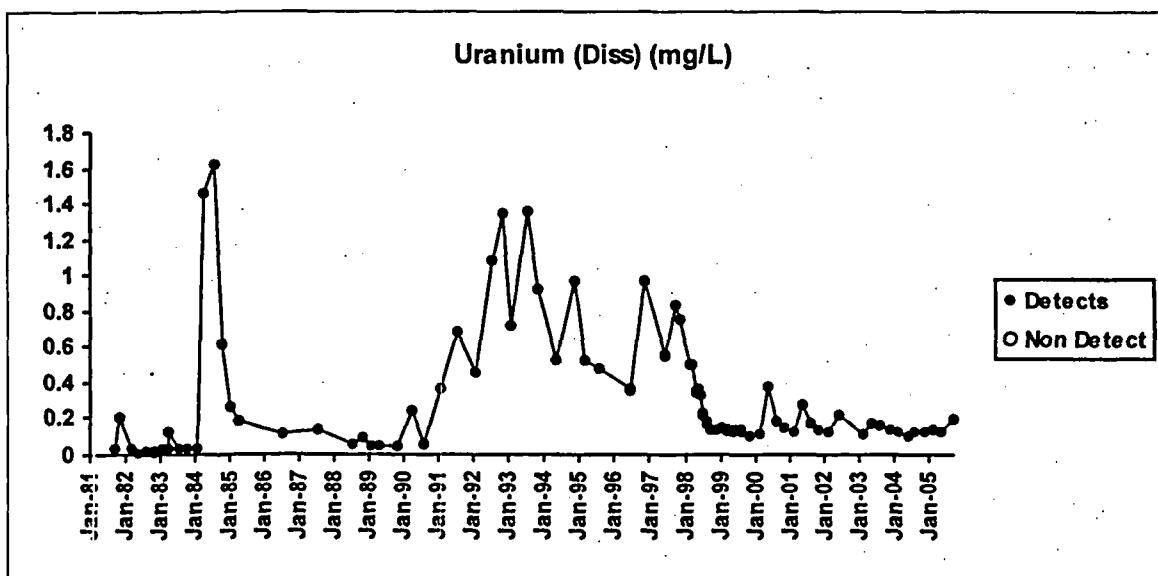
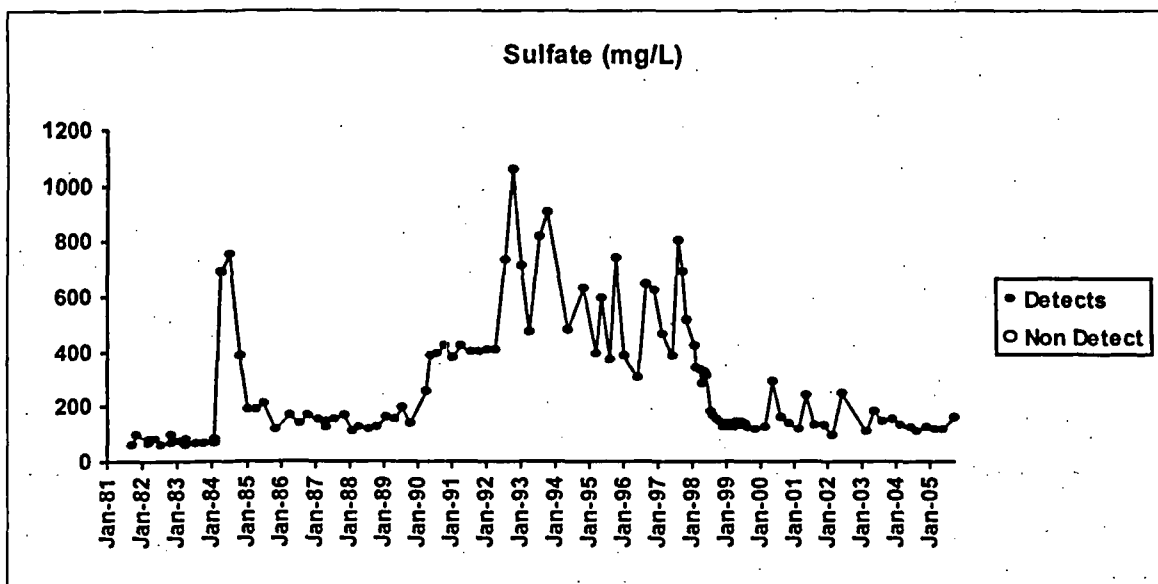
Jeffrey City

WN-21



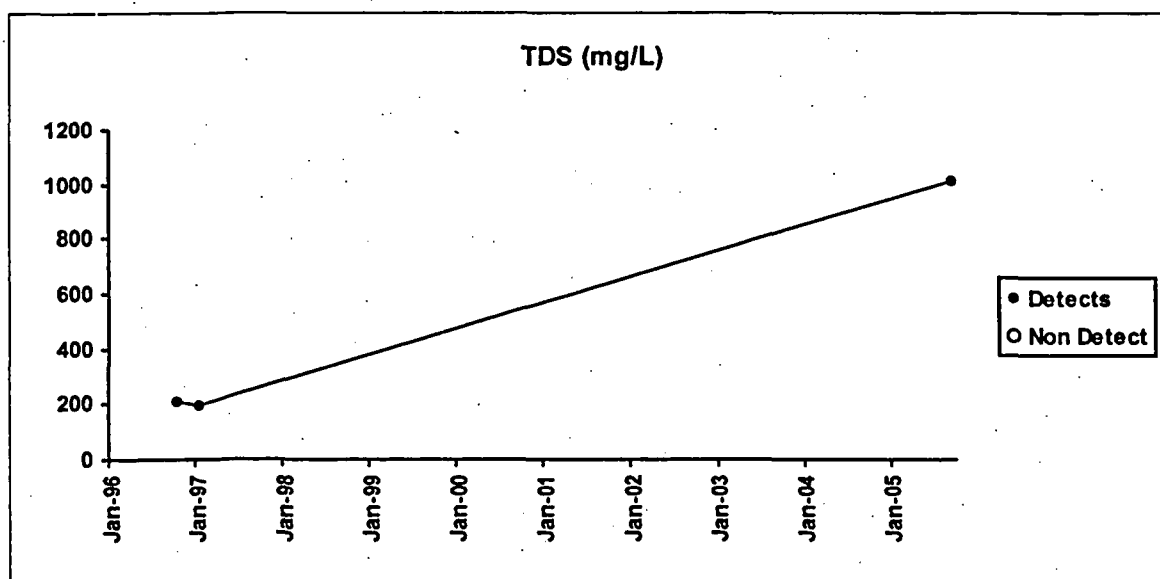
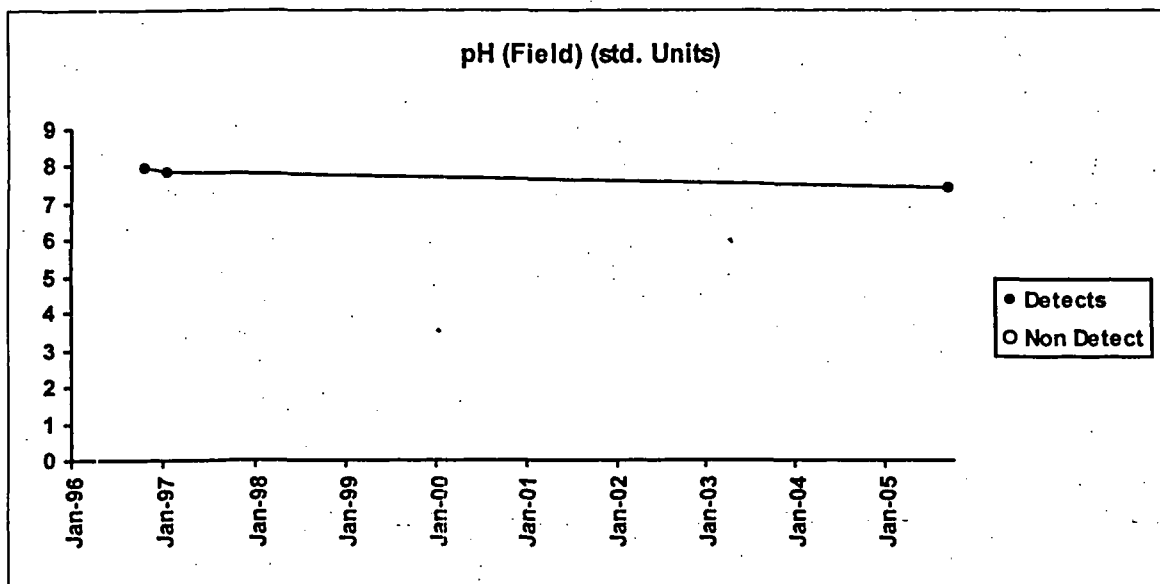
Jeffrey City

WN-21



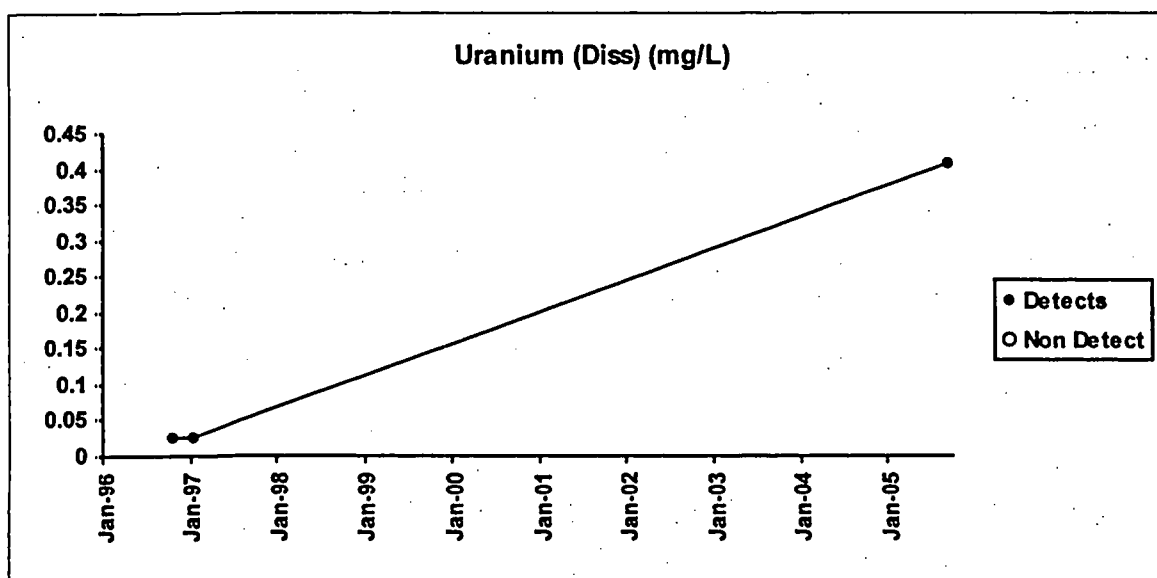
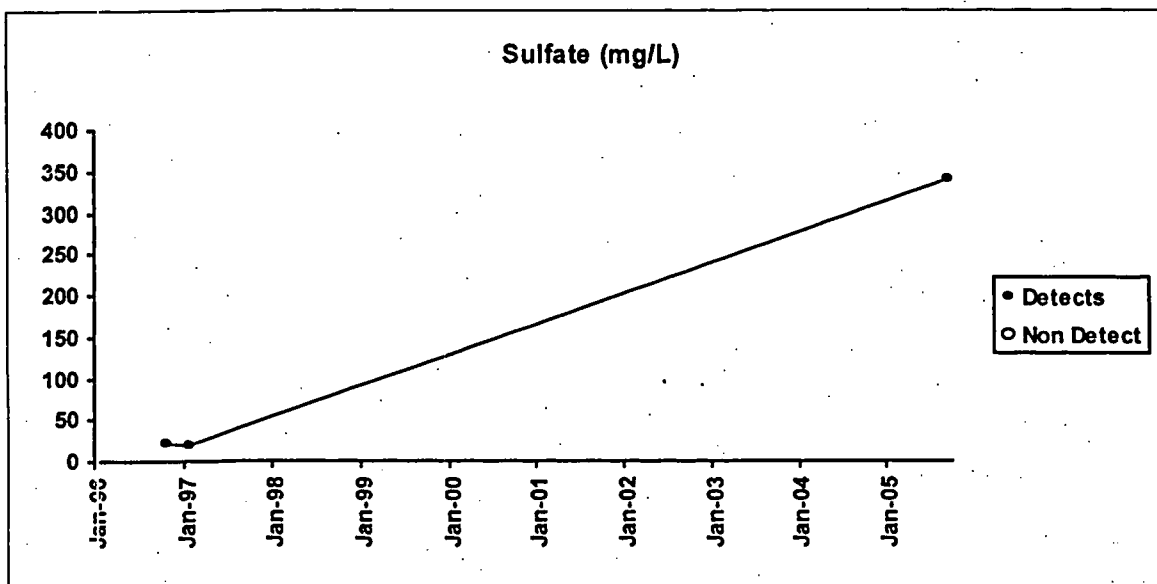
Jeffrey City

WN-39B



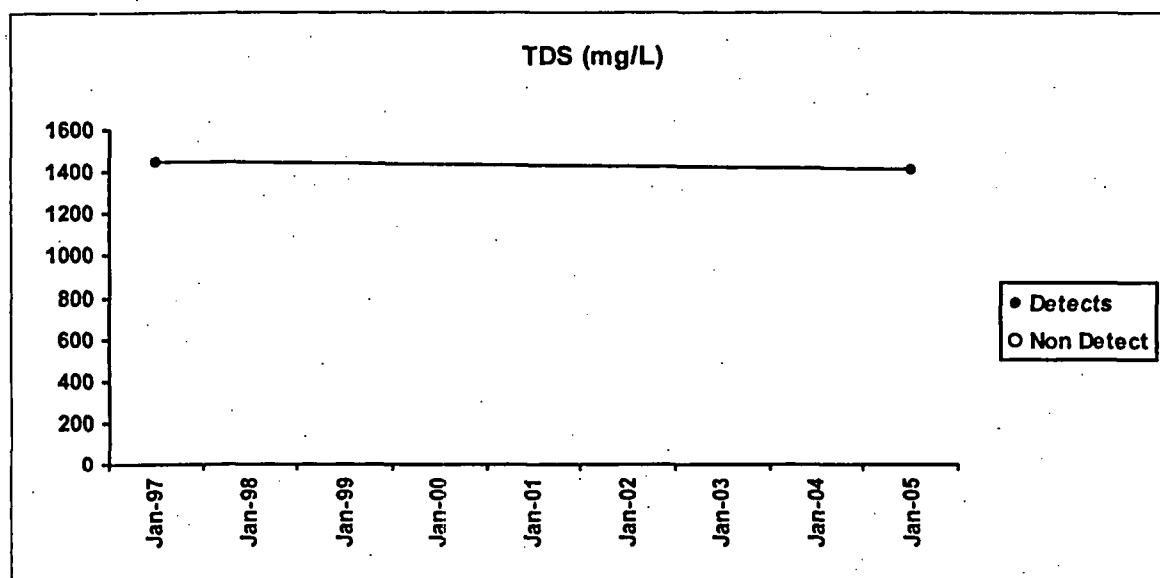
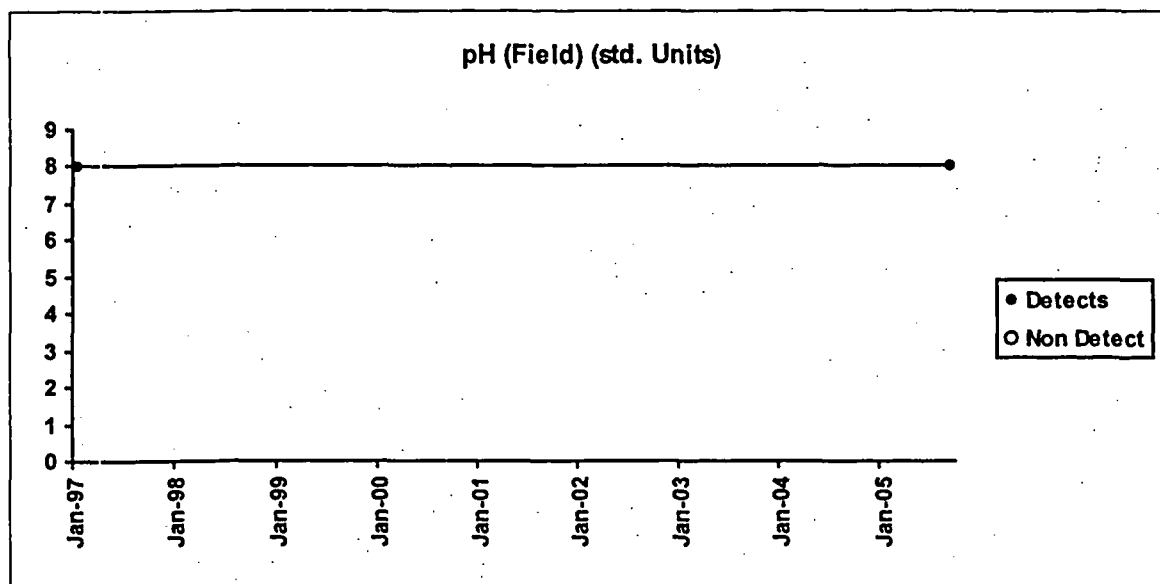
Jeffrey City

WN-39B



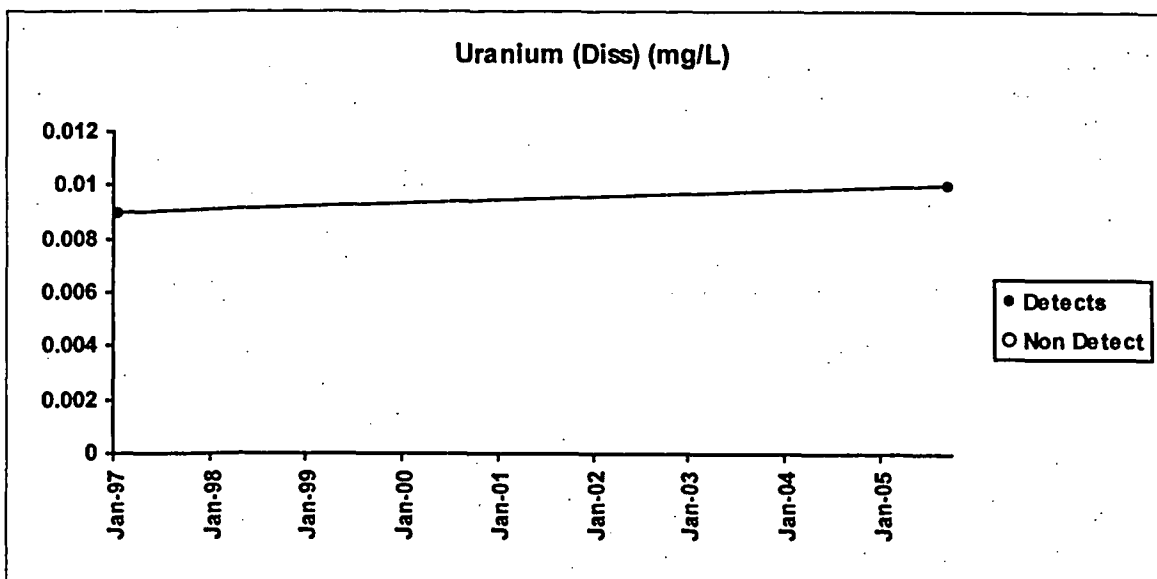
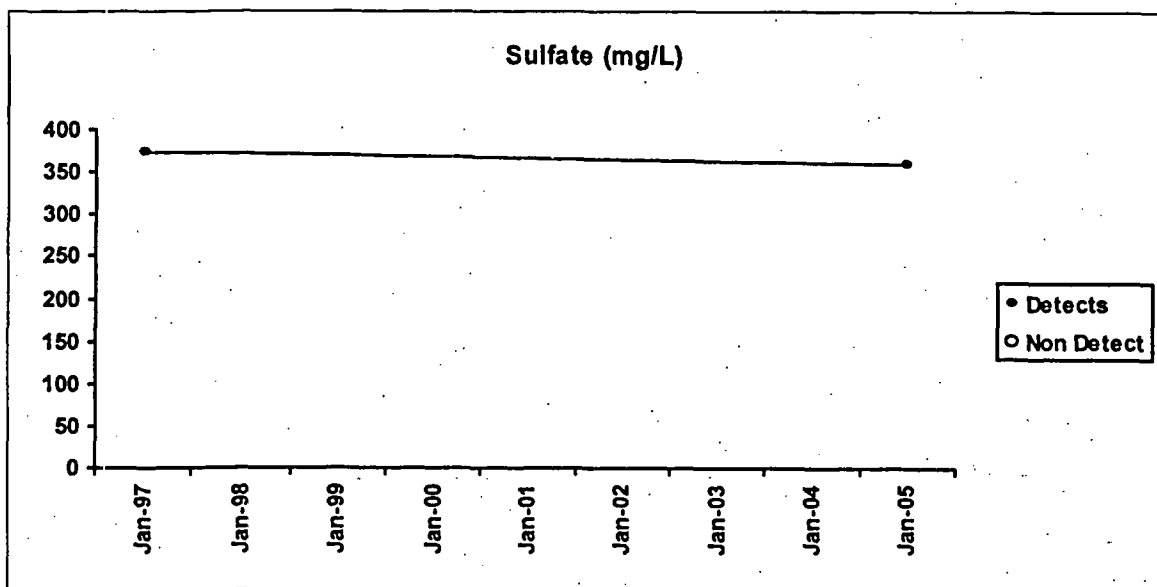
Jeffrey City

WN-41B



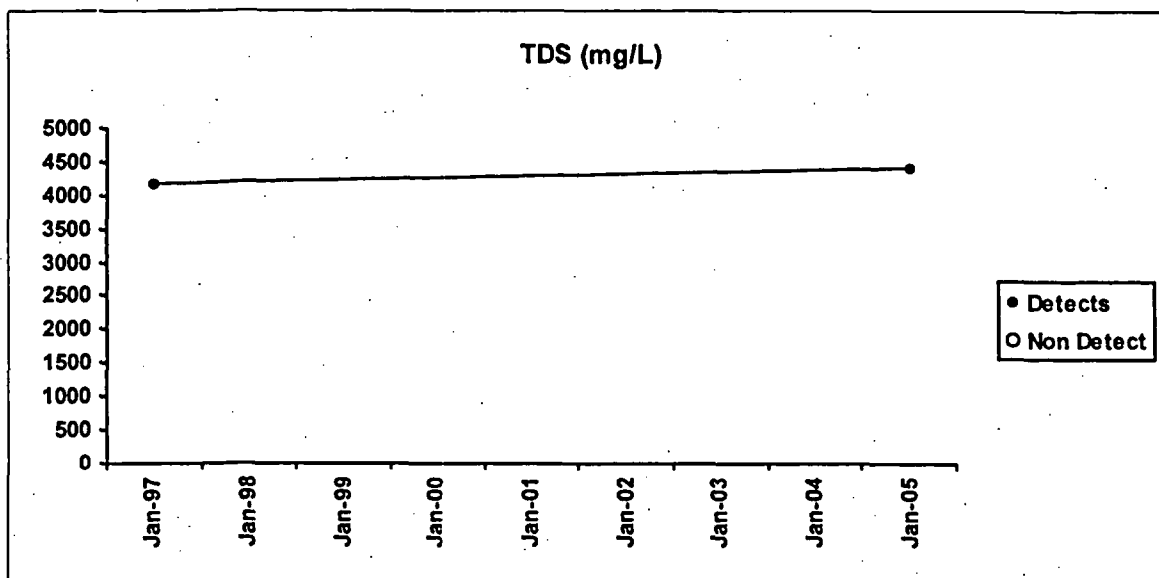
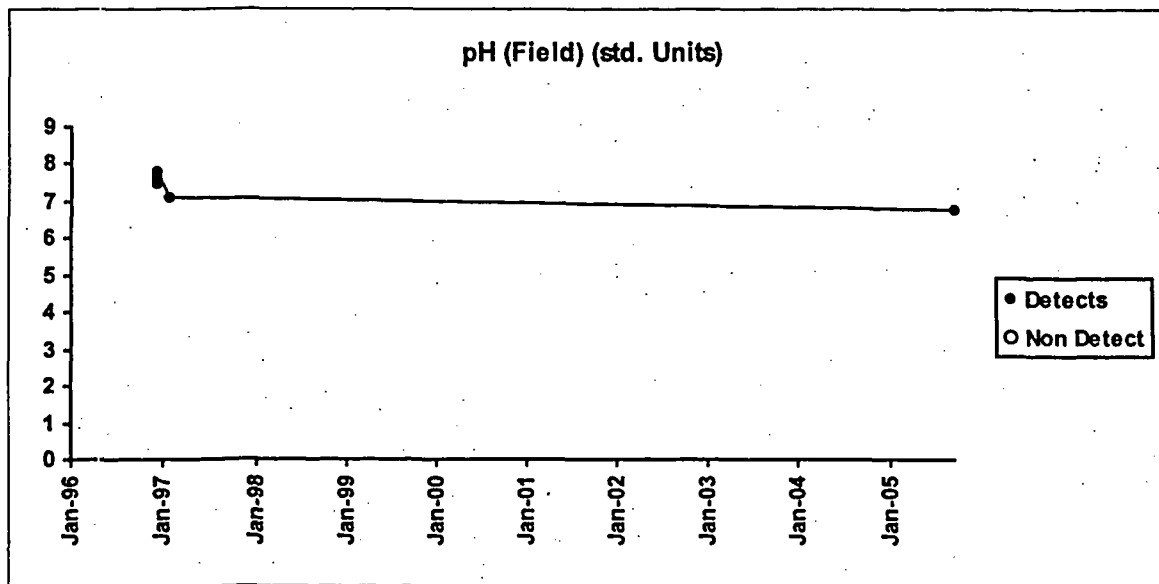
Jeffrey City

WN-41B



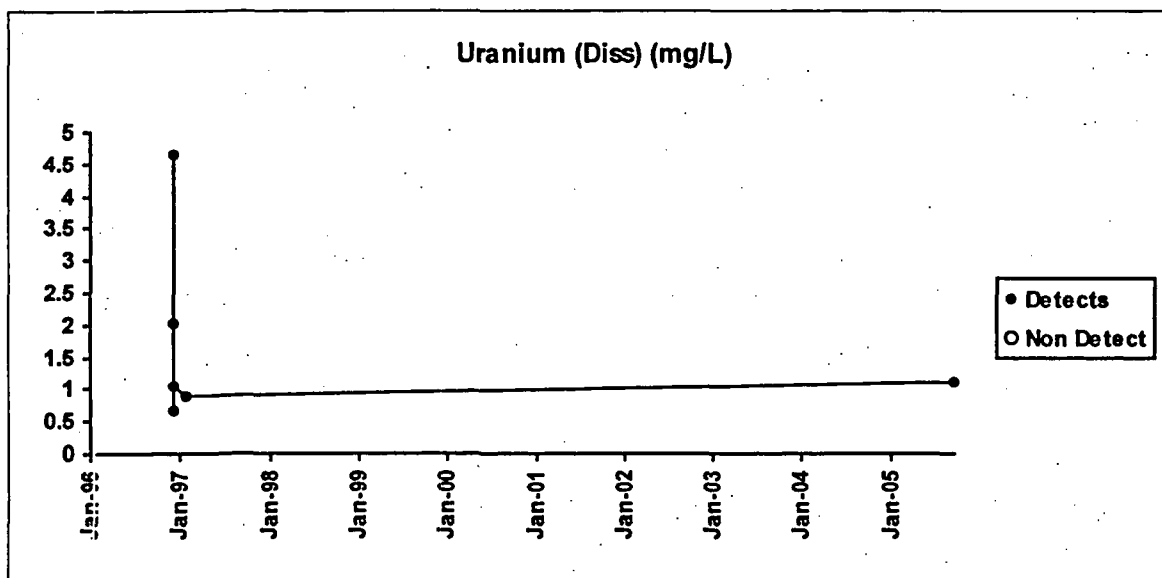
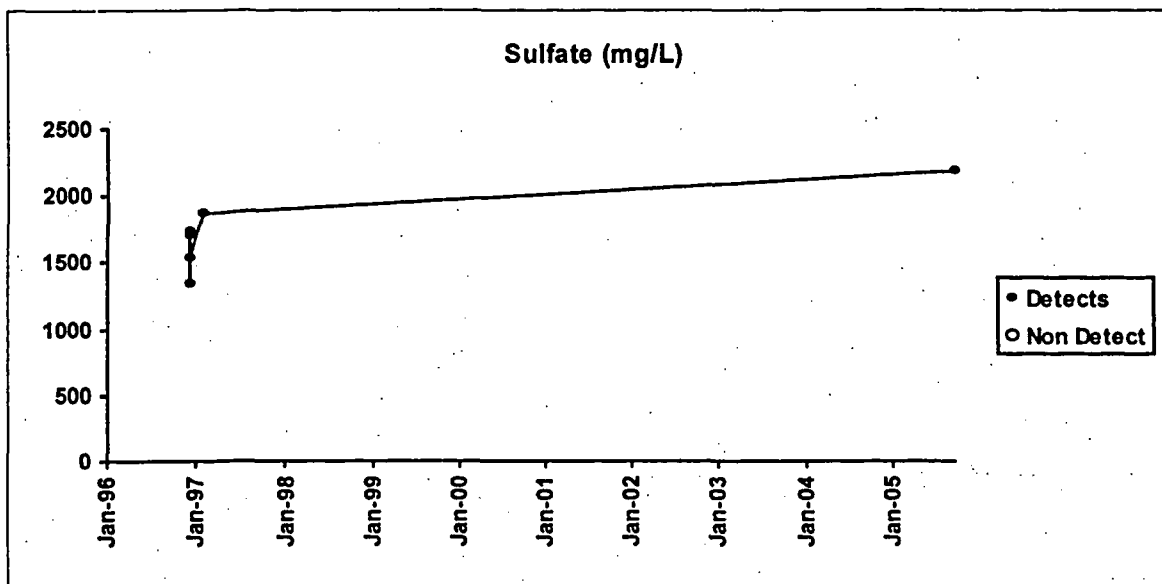
Jeffrey City

WN-42A



Jeffrey City

WN-42A





LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-018
Client Sample ID: JJ-R1

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	12	mg/L		5		E200.7	09/30/05 10:50 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	10/06/05 15:18 / th
Nitrogen, Ammonia as N	0.10	mg/L		0.05		A4500-NH3 G	09/29/05 10:25 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:18 / jal
Sulfate	40	mg/L		5		E200.7	09/30/05 10:50 / ts
PHYSICAL PROPERTIES							
pH	7.71	s.u.		0.01		A4500-H B	09/26/05 17:47 / jc
Solids, Total Dissolved TDS @ 180 C	288	mg/L		10		A2540 C	09/26/05 16:31 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:50 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:47 / sml
Arsenic	0.01	mg/L		0.01		E200.8	10/07/05 03:47 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:47 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 03:47 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 03:47 / sml
Manganese	0.25	mg/L		0.05		E200.7	09/30/05 10:50 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:50 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:47 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 03:47 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:47 / sml
Uranium	0.010	mg/L		0.001		E200.8	10/07/05 03:47 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	7.17	s.u.				FIELD	09/20/05 00:00 / ks

Report RL - Analyte reporting limit.
Conditions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-014
Client Sample ID: SWAB-1

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	17	mg/L		5		E200.7	09/30/05 10:23 / ts
Fluoride	0.1	mg/L		0.1		A4500-F C	10/06/05 15:10 / th
Nitrogen, Ammonia as N	0.69	mg/L		0.05		A4500-NH3 G	09/29/05 10:11 / jal
Nitrogen, Nitrate+Nitrite as N	57.9	mg/L	D	1.5		E353.2	09/28/05 14:16 / jal
Sulfate	390	mg/L		5		E200.7	09/30/05 10:23 / ts
PHYSICAL PROPERTIES							
pH	7.84	s.u.		0.01		A4500-H B	09/26/05 17:30 / jc
Solids, Total Dissolved TDS @ 180 C	1230	mg/L		10		A2540 C	09/26/05 16:28 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:23 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:14 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 03:14 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:14 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 03:14 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 03:14 / sml
Manganese	0.08	mg/L		0.05		E200.7	09/30/05 10:23 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:23 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:14 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 03:14 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:14 / sml
Uranium	0.725	mg/L		0.001		E200.8	10/07/05 03:14 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/27/05 10:30 / ph
FIELD PARAMETERS							
pH	7.30	s.u.				FIELD	09/20/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-011
Client Sample ID: SWAB-2

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	42	mg/L		5		E200.7	09/30/05 10:10 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/06/05 15:04 / th
Nitrogen, Ammonia as N	72	mg/L	D	1		A4500-NH3 G	09/29/05 09:59 / jal
Nitrogen, Nitrate+Nitrite as N	197	mg/L	D	3.0		E353.2	09/28/05 14:03 / jal
Sulfate	1260	mg/L		5		E200.7	09/30/05 10:10 / ts
PHYSICAL PROPERTIES							
pH	7.36	s.u.		0.01		A4500-H B	09/26/05 17:17 / jc
Solids, Total Dissolved TDS @ 180 C	3390	mg/L		10		A2540 C	09/26/05 16:27 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:10 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 02:27 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 02:27 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 02:27 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 02:27 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 02:27 / sml
Manganese	8.15	mg/L		0.05		E200.7	09/30/05 10:10 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:10 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 02:27 / sml
Selenium	0.010	mg/L		0.005		E200.8	10/07/05 02:27 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 02:27 / sml
Uranium	1.45	mg/L		0.001		E200.8	10/07/05 02:27 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	1.0	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	09/26/05 15:45 / trs
Radium 228	2.4	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Radium 228 precision (±)	1.2	pCi/L				RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	6.76	s.u.				FIELD	09/19/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-013
Client Sample ID: SWAB-4

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	35	mg/L		5		E200.7	09/30/05 10:20 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/06/05 15:08 / th
Nitrogen, Ammonia as N	9.1	mg/L	D	0.1		A4500-NH3 G	09/29/05 10:09 / jal
Nitrogen, Nitrate+Nitrite as N	34.5	mg/L	D	0.60		E353.2	09/28/05 14:13 / jal
Sulfate	435	mg/L		5		E200.7	09/30/05 10:20 / ts
PHYSICAL PROPERTIES							
pH	7.71	s.u.		0.01		A4500-H B	09/26/05 17:26 / jc
Solids, Total Dissolved TDS @ 180 C	1180	mg/L		10		A2540 C	09/26/05 16:23 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:20 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:07 / sml
Arsenic	0.02	mg/L		0.01		E200.8	10/07/05 03:07 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:07 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 03:07 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 03:07 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 10:20 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:20 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:07 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 03:07 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:07 / sml
Uranium	0.820	mg/L		0.001		E200.8	10/07/05 03:07 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	1.7	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 226 precision (±)	0.5	pCi/L				E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/27/05 10:30 / ph
FIELD PARAMETERS							
pH	7.05	s.u.				FIELD	09/19/05 00:00 / ks

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-012
Client Sample ID: SWAB-12

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Chloride	21	mg/L		5	E200.7	09/30/05 10:16 / ts
Fluoride	0.2	mg/L		0.1	A4500-F C	10/06/05 15:06 / th
Nitrogen, Ammonia as N	ND	mg/L		0.05	A4500-NH3 G	09/29/05 10:01 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20	E353.2	09/28/05 14:06 / jal
Sulfate	103	mg/L		5	E200.7	09/30/05 10:16 / ts
PHYSICAL PROPERTIES						
pH	8.02	s.u.		0.01	A4500-H B	09/26/05 17:25 / jc
Solids, Total Dissolved TDS @ 180 C	400	mg/L		10	A2540 C	09/26/05 16:27 / jc
METALS - DISSOLVED						
Aluminum	ND	mg/L		0.1	E200.7	09/30/05 10:16 / ts
Antimony	ND	mg/L		0.05	E200.8	10/07/05 03:00 / sml
Arsenic	ND	mg/L		0.01	E200.8	10/07/05 03:00 / sml
Beryllium	ND	mg/L		0.004	E200.8	10/07/05 03:00 / sml
Cadmium	ND	mg/L		0.001	E200.8	10/07/05 03:00 / sml
Cobalt	ND	mg/L		0.005	E200.8	10/07/05 03:00 / sml
Manganese	ND	mg/L		0.05	E200.7	09/30/05 10:16 / ts
Molybdenum	ND	mg/L		0.1	E200.7	09/30/05 10:16 / ts
Nickel	ND	mg/L		0.05	E200.8	10/07/05 03:00 / sml
Selenium	0.005	mg/L		0.005	E200.8	10/07/05 03:00 / sml
Thallium	ND	mg/L		0.1	E200.8	10/07/05 03:00 / sml
Uranium	0.059	mg/L		0.001	E200.8	10/07/05 03:00 / sml
RADIONUCLIDES - DISSOLVED						
Radium 226	ND	pCi/L		1.0	E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0	RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4	E907.0	10/27/05 10:30 / ph
FIELD PARAMETERS						
pH	7.48	s.u.			FIELD	09/19/05 00:00 / ks

Report RL - Analyte reporting limit.
Conditions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-010
Client Sample ID: SWAB-22

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Chloride	15	mg/L		5	E200.7	09/30/05 10:07 / ts
Fluoride	0.3	mg/L		0.1	A4500-F C	10/06/05 15:01 / th
Nitrogen, Ammonia as N	ND	mg/L		0.05	A4500-NH3 G	09/29/05 09:55 / jal
Nitrogen, Nitrate+Nitrite as N	0.60	mg/L		0.20	E353.2	09/28/05 12:36 / jal
Sulfate	41	mg/L		5	E200.7	09/30/05 10:07 / ts
PHYSICAL PROPERTIES						
pH	7.86	s.u.		0.01	A4500-H B	09/26/05 17:16 / jc
Solids, Total Dissolved TDS @ 180 C	294	mg/L		10	A2540 C	09/26/05 16:27 / jc
METALS - DISSOLVED						
Aluminum	ND	mg/L		0.1	E200.7	09/30/05 10:07 / ts
Antimony	ND	mg/L		0.05	E200.8	10/07/05 02:00 / sml
Arsenic	ND	mg/L		0.01	E200.8	10/07/05 02:00 / sml
Beryllium	ND	mg/L		0.004	E200.8	10/07/05 02:00 / sml
Cadmium	ND	mg/L		0.001	E200.8	10/07/05 02:00 / sml
Cobalt	ND	mg/L		0.005	E200.8	10/07/05 02:00 / sml
Manganese	0.07	mg/L		0.05	E200.7	09/30/05 10:07 / ts
Molybdenum	ND	mg/L		0.1	E200.7	09/30/05 10:07 / ts
Nickel	ND	mg/L		0.05	E200.8	10/07/05 02:00 / sml
Selenium	ND	mg/L		0.005	E200.8	10/07/05 02:00 / sml
Thallium	ND	mg/L		0.1	E200.8	10/07/05 02:00 / sml
Uranium	0.023	mg/L		0.001	E200.8	10/07/05 02:00 / sml
RADIONUCLIDES - DISSOLVED						
Radium 226	ND	pCi/L		1.0	E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0	RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4	E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS						
pH	7.32	s.u.			FIELD	09/19/05 00:00 / ks

Report RL - Analyte reporting limit.
Conditions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-008
Client Sample ID: SWAB-29

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	6	mg/L		5		E200.7	09/28/05 18:04 / ts
Fluoride	0.2	mg/L		0.1		A4500-F C	10/06/05 14:55 / th
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	09/29/05 09:51 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 12:31 / jal
Sulfate	28	mg/L		5		E200.7	09/28/05 18:04 / ts
PHYSICAL PROPERTIES							
pH	7.89	s.u.		0.01		A4500-H B	09/26/05 17:13 / jc
Solids, Total Dissolved TDS @ 180 C	318	mg/L		10		A2540 C	09/26/05 16:26 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/28/05 18:04 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 01:47 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 01:47 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 01:47 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 01:47 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 01:47 / sml
Manganese	ND	mg/L		0.05		E200.8	10/07/05 01:47 / sml
Molybdenum	ND	mg/L		0.1		E200.8	10/07/05 01:47 / sml
Nickel	ND	mg/L		0.05		E200.8	10/07/05 01:47 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 01:47 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 01:47 / sml
Uranium	0.055	mg/L		0.001		E200.8	10/07/05 01:47 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	7.01	s.u.				FIELD	09/19/05 00:00 / ks

Report RL - Analyte reporting limit.
Conditions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-009
Client Sample ID: SWAB-31

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	8	mg/L		5		E200.7	09/30/05 10:04 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/06/05 14:58 / th
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	09/29/05 09:53 / jal
Nitrogen, Nitrate+Nitrite as N	1.42	mg/L		0.20		E353.2	09/28/05 12:33 / jal
Sulfate	27	mg/L		5		E200.7	09/30/05 10:04 / ts
PHYSICAL PROPERTIES							
pH	8.06	s.u.		0.01		A4500-H B	09/26/05 17:15 / jc
Solids, Total Dissolved TDS @ 180 C	236	mg/L		10		A2540 C	09/26/05 16:27 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:04 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 01:54 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 01:54 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 01:54 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 01:54 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 01:54 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 10:04 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:04 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 01:54 / sml
Selenium	0.009	mg/L		0.005		E200.8	10/07/05 01:54 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 01:54 / sml
Uranium	0.033	mg/L		0.001		E200.8	10/07/05 01:54 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	7.30	s.u.				FIELD	09/19/05 00:00 / ks

Report RL - Analyte reporting limit.
Conditions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-019
Client Sample ID: SWAB-32

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	12	mg/L		5		E200.7	09/30/05 10:53 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	10/06/05 15:21 / th
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	09/29/05 10:27 / jal
Nitrogen, Nitrate+Nitrite as N	1.09	mg/L		0.20		E353.2	09/28/05 15:21 / jal
Sulfate	49	mg/L		5		E200.7	09/30/05 10:53 / ts
PHYSICAL PROPERTIES							
pH	8.15	s.u.		0.01		A4500-H B	09/26/05 17:48 / jc
Solids, Total Dissolved TDS @ 180 C	360	mg/L		10		A2540 C	09/26/05 16:31 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:53 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:54 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 03:54 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:54 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 03:54 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 03:54 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 10:53 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:53 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:54 / sml
Selenium	0.010	mg/L		0.005		E200.8	10/07/05 03:54 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:54 / sml
Uranium	0.136	mg/L		0.001		E200.8	10/07/05 03:54 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	7.68	s.u.				FIELD	09/21/05 00:00 / ks

Report RL - Analyte reporting limit.
Conditions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-005
Client Sample ID: WN-1

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	64	mg/L		5		E200.7	09/28/05 17:36 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/06/05 14:49 / th
Nitrogen, Ammonia as N	14.3	mg/L	D	0.2		A4500-NH3 G	09/29/05 09:41 / jal
Nitrogen, Nitrate+Nitrite as N	51.5	mg/L	D	0.60		E353.2	09/28/05 11:58 / jal
Sulfate	1400	mg/L		5		E200.7	09/28/05 17:36 / ts
PHYSICAL PROPERTIES							
pH	7.14	s.u.		0.01		A4500-H B	09/26/05 16:50 / jc
Solids, Total Dissolved TDS @ 180 C	3300	mg/L		10		A2540 C	09/26/05 16:26 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/28/05 17:36 / ts
Antimony	ND	mg/L		0.05		E200.8	10/06/05 23:34 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/06/05 23:34 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/06/05 23:34 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/06/05 23:34 / sml
	ND	mg/L		0.005		E200.8	10/06/05 23:34 / sml
Manganese	3.47	mg/L		0.05		E200.7	09/28/05 17:36 / ts
Molybdenum	ND	mg/L		0.1		E200.8	10/06/05 23:34 / sml
Nickel	ND	mg/L		0.05		E200.8	10/06/05 23:34 / sml
Selenium	0.010	mg/L		0.005		E200.8	10/06/05 23:34 / sml
Thallium	ND	mg/L		0.1		E200.8	10/06/05 23:34 / sml
Uranium	4.03	mg/L		0.001		E200.8	10/06/05 23:34 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	1.1	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 226 precision (±)	0.4	pCi/L				E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	6.39	s.u.				FIELD	09/20/05 00:00 / ks

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-006
Client Sample ID: WN-1R

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/ RL QCL	Method	Analysis Date / By
MAJOR IONS						
Chloride	72	mg/L		5	E200.7	09/28/05 17:42 / ts
Fluoride	0.3	mg/L		0.1	A4500-F C	10/06/05 14:51 / th
Nitrogen, Ammonia as N	13.4	mg/L	D	0.4	A4500-NH3 G	09/29/05 09:57 / jal
Nitrogen, Nitrate+Nitrite as N	51.1	mg/L	D	0.60	E353.2	09/28/05 12:26 / jal
Sulfate	1470	mg/L		5	E200.7	09/28/05 17:42 / ts
PHYSICAL PROPERTIES						
pH	7.97	s.u.		0.01	A4500-H B	09/26/05 17:04 / jc
Solids, Total Dissolved TDS @ 180 C	3300	mg/L		10	A2540 C	09/26/05 16:26 / jc
METALS - DISSOLVED						
Aluminum	ND	mg/L		0.1	E200.7	09/28/05 17:42 / ts
Antimony	ND	mg/L		0.05	E200.8	10/07/05 01:34 / sml
Arsenic	ND	mg/L		0.01	E200.8	10/07/05 01:34 / sml
Beryllium	ND	mg/L		0.004	E200.8	10/07/05 01:34 / sml
Cadmium	ND	mg/L		0.001	E200.8	10/07/05 01:34 / sml
	ND	mg/L		0.005	E200.8	10/07/05 01:34 / sml
Manganese	4.49	mg/L		0.05	E200.7	09/28/05 17:42 / ts
Molybdenum	ND	mg/L		0.1	E200.8	10/07/05 01:34 / sml
Nickel	ND	mg/L		0.05	E200.8	10/07/05 01:34 / sml
Selenium	0.010	mg/L		0.005	E200.8	10/07/05 01:34 / sml
Thallium	ND	mg/L		0.1	E200.8	10/07/05 01:34 / sml
Uranium	3.95	mg/L		0.001	E200.8	10/07/05 01:34 / sml
RADIONUCLIDES - DISSOLVED						
Radium 226	1.5	pCi/L		1.0	E903.0	09/26/05 15:45 / trs
Radium 226 precision (±)	0.5	pCi/L			E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0	RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4	E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS						
pH	6.39	s.u.			FIELD	09/20/05 00:00 / ks

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-001
Client Sample ID: WN-4R

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	104	mg/L		5		E200.7	09/28/05 17:02 / ts
Fluoride	8.6	mg/L		0.1		A4500-F C	10/06/05 14:37 / th
Nitrogen, Ammonia as N	219	mg/L	D	2		A4500-NH3 G	09/29/05 09:27 / jal
Nitrogen, Nitrate+Nitrite as N	59.7	mg/L	D	0.60		E353.2	09/28/05 11:48 / jal
Sulfate	2860	mg/L	D	8		E200.7	09/28/05 17:06 / ts
PHYSICAL PROPERTIES							
pH	6.89	s.u.		0.01		A4500-H B	09/26/05 16:35 / jc
Solids, Total Dissolved TDS @ 180 C	4460	mg/L		10		A2540 C	09/26/05 16:20 / jc
METALS - DISSOLVED							
Aluminum	1.5	mg/L		0.1		E200.7	09/28/05 17:02 / ts
Antimony	ND	mg/L		0.05		E200.8	10/06/05 23:07 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/06/05 23:07 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/06/05 23:07 / sml
Cadmium	0.018	mg/L		0.001		E200.8	10/06/05 23:07 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/06/05 23:07 / sml
Manganese	78.7	mg/L		0.05		E200.7	09/28/05 17:06 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/28/05 17:02 / ts
Nickel	0.44	mg/L		0.05		E200.8	10/06/05 23:07 / sml
Selenium	0.024	mg/L		0.005		E200.8	10/06/05 23:07 / sml
Thallium	ND	mg/L		0.1		E200.8	10/06/05 23:07 / sml
Uranium	0.405	mg/L		0.001		E200.8	10/06/05 23:07 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	6.00	s.u.				FIELD	09/19/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-002
Client Sample ID: WN-5

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	127	mg/L		5		E200.7	09/28/05 17:17 / ts
Fluoride	ND	mg/L		0.1		A4500-F C	10/06/05 14:43 / th
Nitrogen, Ammonia as N	0.24	mg/L		0.05		A4500-NH3 G	09/29/05 09:29 / jal
Nitrogen, Nitrate+Nitrite as N	56.5	mg/L	D	1.5		E353.2	09/28/05 11:51 / jal
Sulfate	1810	mg/L	D	8		E200.7	09/28/05 17:21 / ts
PHYSICAL PROPERTIES							
pH	7.29	s.u.		0.01		A4500-H B	09/26/05 16:37 / jc
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		10		A2540 C	09/26/05 16:20 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/28/05 17:17 / ts
Antimony	ND	mg/L		0.05		E200.8	10/06/05 23:14 / sml
Arsenic	ND	mg/L	D	0.01		E200.8	10/06/05 23:14 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/06/05 23:14 / sml
Cadmium	ND	mg/L	D	0.001		E200.8	10/06/05 23:14 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/06/05 23:14 / sml
Manganese	0.33	mg/L		0.05		E200.7	09/28/05 17:17 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/28/05 17:17 / ts
Nickel	ND	mg/L		0.05		E200.8	10/06/05 23:14 / sml
Selenium	0.021	mg/L		0.005		E200.8	10/06/05 23:14 / sml
Thallium	ND	mg/L		0.1		E200.8	10/06/05 23:14 / sml
Uranium	2.11	mg/L		0.001		E200.8	10/06/05 23:14 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/27/05 10:30 / ph
FIELD PARAMETERS							
pH	6.56	s.u.				FIELD	09/19/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-003
Client Sample ID: WN-5R

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	126	mg/L		5		E200.7	09/28/05 17:24 / ts
Fluoride	ND	mg/L		0.1		A4500-F C	10/06/05 14:45 / th
Nitrogen, Ammonia as N	0.24	mg/L		0.05		A4500-NH3 G	09/29/05 09:37 / jal
Nitrogen, Nitrate+Nitrite as N	54.7	mg/L	D	1.5		E353.2	09/28/05 11:53 / jal
Sulfate	1750	mg/L	D	8		E200.7	09/28/05 17:27 / ts
PHYSICAL PROPERTIES							
pH	7.26	s.u.		0.01		A4500-H B	09/26/05 16:41 / jc
Solids, Total Dissolved TDS @ 180 C	3810	mg/L		10		A2540 C	09/26/05 16:21 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/28/05 17:24 / ts
Antimony	ND	mg/L		0.05		E200.8	10/06/05 23:20 / sml
Arsenic	ND	mg/L	D	0.01		E200.8	10/06/05 23:20 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/06/05 23:20 / sml
Cadmium	ND	mg/L	D	0.001		E200.8	10/06/05 23:20 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/06/05 23:20 / sml
Manganese	0.33	mg/L		0.05		E200.7	09/28/05 17:24 / ts
Molybdenum	ND	mg/L		0.1		E200.8	10/06/05 23:20 / sml
Nickel	ND	mg/L		0.05		E200.8	10/06/05 23:20 / sml
Selenium	0.021	mg/L		0.005		E200.8	10/06/05 23:20 / sml
Thallium	ND	mg/L		0.1		E200.8	10/06/05 23:20 / sml
Uranium	2.05	mg/L		0.001		E200.8	10/06/05 23:20 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	6.56	s.u.				FIELD	09/19/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-004
Client Sample ID: WN-5S

Report Date: 11/04/05
Collection Date: 09/19/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	124	mg/L		5		E200.7	09/28/05 17:30 / ts
Fluoride	ND	mg/L		0.1		A4500-F C	10/06/05 14:46 / th
Nitrogen, Ammonia as N	0.24	mg/L		0.05		A4500-NH3 G	09/29/05 09:39 / jal
Nitrogen, Nitrate+Nitrite as N	54.0	mg/L	D	1.5		E353.2	09/28/05 11:56 / jal
Sulfate	1790	mg/L	D	8		E200.7	09/28/05 17:33 / ts
PHYSICAL PROPERTIES							
pH	7.34	s.u.		0.01		A4500-H B	09/26/05 16:46 / jc
Solids, Total Dissolved TDS @ 180 C	3800	mg/L		10		A2540 C	09/26/05 16:21 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/28/05 17:30 / ts
Antimony	ND	mg/L		0.05		E200.8	10/06/05 23:27 / sml
Arsenic	ND	mg/L	D	0.01		E200.8	10/06/05 23:27 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/06/05 23:27 / sml
Cadmium	ND	mg/L	D	0.001		E200.8	10/06/05 23:27 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/06/05 23:27 / sml
Manganese	0.33	mg/L		0.05		E200.7	09/28/05 17:30 / ts
Molybdenum	ND	mg/L		0.1		E200.8	10/06/05 23:27 / sml
Nickel	ND	mg/L		0.05		E200.8	10/06/05 23:27 / sml
Selenium	0.021	mg/L		0.005		E200.8	10/06/05 23:27 / sml
Thallium	ND	mg/L		0.1		E200.8	10/06/05 23:27 / sml
Uranium	2.09	mg/L		0.001		E200.8	10/06/05 23:27 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	6.56	s.u.				FIELD	09/19/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-007
Client Sample ID: WN-21

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	14	mg/L		5		E200.7	09/28/05 17:57 / ts
Fluoride	0.2	mg/L		0.1		A4500-F C	10/06/05 14:53 / th
Nitrogen, Ammonia as N	3.51	mg/L		0.05		A4500-NH3 G	09/29/05 09:45 / jal
Nitrogen, Nitrate+Nitrite as N	11.9	mg/L		0.20		E353.2	09/28/05 12:28 / jal
Sulfate	160	mg/L		5		E200.7	09/28/05 17:57 / ts
PHYSICAL PROPERTIES							
pH	7.89	s.u.		0.01		A4500-H B	09/26/05 17:11 / jc
Solids, Total Dissolved TDS @ 180 C	550	mg/L		10		A2540 C	09/26/05 16:26 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/28/05 17:57 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 01:41 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 01:41 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 01:41 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 01:41 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 01:41 / sml
Manganese	0.66	mg/L		0.05		E200.7	09/28/05 17:57 / ts
Molybdenum	ND	mg/L		0.1		E200.8	10/07/05 01:41 / sml
Nickel	ND	mg/L		0.05		E200.8	10/07/05 01:41 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 01:41 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 01:41 / sml
Uranium	0.189	mg/L		0.001		E200.8	10/07/05 01:41 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:45 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:45 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/27/05 10:30 / ph
FIELD PARAMETERS							
pH	7.30	s.u.				FIELD	09/20/05 00:00 / ks

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-017
Client Sample ID: WN-39B

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	38	mg/L		5		E200.7	09/30/05 10:47 / ts
Fluoride	0.2	mg/L		0.1		A4500-F C	10/06/05 15:16 / th
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	09/29/05 10:17 / jal
Nitrogen, Nitrate+Nitrite as N	15.3	mg/L	D	0.30		E353.2	09/28/05 15:16 / jal
Sulfate	339	mg/L		5		E200.7	09/30/05 10:47 / ts
PHYSICAL PROPERTIES							
pH	7.79	s.u.		0.01		A4500-H B	09/26/05 17:41 / jc
Solids, Total Dissolved TDS @ 180 C	1010	mg/L		10		A2540 C	09/26/05 16:31 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:47 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:40 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 03:40 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:40 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 03:40 / sml
Chromium	ND	mg/L		0.005		E200.8	10/07/05 03:40 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 10:47 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:47 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:40 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 03:40 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:40 / sml
Uranium	0.408	mg/L		0.001		E200.8	10/07/05 03:40 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	7.45	s.u.				FIELD	09/20/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C0509098-016
Client Sample ID: WN-41B

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	382	mg/L		5		E200.7	09/30/05 10:41 / ts
Fluoride	1.2	mg/L		0.1		A4500-F C	10/06/05 15:14 / th
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	09/29/05 10:15 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:13 / jal
Sulfate	360	mg/L		5		E200.7	09/30/05 10:41 / ts
PHYSICAL PROPERTIES							
pH	8.23	s.u.		0.01		A4500-H B	09/26/05 17:34 / jc
Solids, Total Dissolved TDS @ 180 C	1410	mg/L		10		A2540 C	09/26/05 16:31 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:41 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:27 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 03:27 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:27 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 03:27 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 03:27 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 10:41 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:41 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:27 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 03:27 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:27 / sml
Uranium	0.010	mg/L		0.001		E200.8	10/07/05 03:27 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	8.03	s.u.				FIELD	09/20/05 00:00 / ks

Report conditions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-015
Client Sample ID: WN-42A

Report Date: 11/04/05
Collection Date: 09/20/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	53	mg/L		5		E200.7	09/30/05 10:26 / ts
Fluoride	ND	mg/L		0.1		A4500-F C	10/06/05 15:12 / th
Nitrogen, Ammonia as N	0.24	mg/L		0.05		A4500-NH3 G	09/29/05 10:13 / jal
Nitrogen, Nitrate+Nitrite as N	19.8	mg/L	D	0.60		E353.2	09/28/05 14:18 / jal
Sulfate	2180	mg/L	D	8		E200.7	09/30/05 10:29 / ts
PHYSICAL PROPERTIES							
pH	7.39	s.u.		0.01		A4500-H B	09/26/05 17:32 / jc
Solids, Total Dissolved TDS @ 180 C	4400	mg/L		10		A2540 C	09/26/05 16:31 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 10:26 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 03:20 / sml
Arsenic	ND	mg/L	D	0.01		E200.8	10/07/05 03:20 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 03:20 / sml
Cadmium	ND	mg/L	D	0.001		E200.8	10/07/05 03:20 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 03:20 / sml
Manganese	0.29	mg/L		0.05		E200.7	09/30/05 10:26 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 10:26 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 03:20 / sml
Selenium	0.037	mg/L		0.005		E200.8	10/07/05 03:20 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 03:20 / sml
Uranium	1.11	mg/L		0.001		E200.8	10/07/05 03:20 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/04/05 10:30 / ph
FIELD PARAMETERS							
pH	6.79	s.u.				FIELD	09/20/05 00:00 / ks

Report Conditions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-025
Client Sample ID: WN-FLD BLK

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	ND	mg/L		5		E200.7	09/30/05 11:39 / ts
Fluoride	ND	mg/L		0.1		A4500-F C	10/10/05 09:13 / slb
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	09/29/05 10:45 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:41 / jal
Sulfate	ND	mg/L		5		E200.7	09/30/05 11:39 / ts
PHYSICAL PROPERTIES							
pH	5.70	s.u.		0.01		A4500-H B	09/26/05 17:59 / jc
Solids, Total Dissolved TDS @ 180 C	14	mg/L		10		A2540 C	09/26/05 16:34 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 11:39 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 05:54 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 05:54 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 05:54 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 05:54 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 05:54 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 11:39 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 11:39 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 05:54 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 05:54 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 05:54 / sml
Uranium	ND	mg/L		0.001		E200.8	10/07/05 05:54 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph

Report Conditions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

SURFACE WATER



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-020
Client Sample ID: SWR-A

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	13	mg/L		5		E200.7	09/30/05 11:23 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/06/05 15:23 / th
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	09/29/05 10:29 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:23 / jal
Sulfate	43	mg/L		5		E200.7	09/30/05 11:23 / ts
PHYSICAL PROPERTIES							
pH	8.35	s.u.		0.01		A4500-H B	09/26/05 17:49 / jc
Solids, Total Dissolved TDS @ 180 C	278	mg/L		10		A2540 C	09/26/05 16:32 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 11:23 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 04:27 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 04:27 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 04:27 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 04:27 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 04:27 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 11:23 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 11:23 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 04:27 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 04:27 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 04:27 / sml
Uranium	0.007	mg/L		0.001		E200.8	10/07/05 04:27 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	8.35	s.u.				FIELD	09/21/05 00:00 / ks

Report Conditions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-021
Client Sample ID: SWR-B

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	14	mg/L		5		E200.7	09/30/05 11:26 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/06/05 15:33 / th
Nitrogen, Ammonia as N	0.05	mg/L		0.05		A4500-NH3 G	09/29/05 10:31 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:31 / jal
Sulfate	44	mg/L		5		E200.7	09/30/05 11:25 / ts
PHYSICAL PROPERTIES							
pH	8.37	s.u.		0.01		A4500-H B	09/26/05 17:51 / jc
Solids, Total Dissolved TDS @ 180 C	280	mg/L		10		A2540 C	09/26/05 16:32 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 11:26 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 04:54 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 04:54 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 04:54 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 04:54 / sml
Lead	ND	mg/L		0.005		E200.8	10/07/05 04:54 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 11:26 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 11:26 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 04:54 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 04:54 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 04:54 / sml
Uranium	0.008	mg/L		0.001		E200.8	10/07/05 04:54 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	8.34	s.u.				FIELD	09/21/05 00:00 / ks

Abbreviations: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-022
Client Sample ID: SWR-C

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	16	mg/L		5		E200.7	09/30/05 11:29 / ts
Fluoride	0.4	mg/L		0.1		A4500-F C	10/10/05 09:03 / slb
Nitrogen, Ammonia as N	0.07	mg/L		0.05		A4500-NH3 G	09/29/05 10:33 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:33 / jal
Sulfate	44	mg/L		5		E200.7	09/30/05 11:29 / ts
PHYSICAL PROPERTIES							
pH	8.35	s.u.		0.01		A4500-H B	09/26/05 17:32 / jc
Solids, Total Dissolved TDS @ 180 C	272	mg/L		10		A2540 C	09/26/05 16:33 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 11:29 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 05:00 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 05:00 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 05:00 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 05:00 / sml
Lead	ND	mg/L		0.005		E200.8	10/07/05 05:00 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 11:29 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 11:29 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 05:00 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 05:00 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 05:00 / sml
Uranium	0.008	mg/L		0.001		E200.8	10/07/05 05:00 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	8.42	s.u.				FIELD	09/21/05 00:00 / ks

Report Conditions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-023
Client Sample ID: SWR-UG

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	8	mg/L		5		E200.7	09/30/05 11:33 / ts
Fluoride	0.3	mg/L		0.1		A4500-F C	10/10/05 09:08 / slb
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	09/29/05 10:41 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:36 / jal
Sulfate	33	mg/L		5		E200.7	09/30/05 11:33 / ts
PHYSICAL PROPERTIES							
pH	8.39	s.u.		0.01		A4500-H B	09/26/05 17:54 / jc
Solids, Total Dissolved TDS @ 180 C	196	mg/L		10		A2540 C	09/26/05 16:33 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 11:33 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 05:07 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 05:07 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 05:07 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 05:07 / sml
Lead	ND	mg/L		0.005		E200.8	10/07/05 05:07 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 11:33 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 11:33 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 05:07 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 05:07 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 05:07 / sml
Uranium	0.004	mg/L		0.001		E200.8	10/07/05 05:07 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS							
pH	8.47	s.u.				FIELD	09/21/05 00:00 / ks

Report Conditions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Western Nuclear Inc
Project: Split Rock Mill Site
Lab ID: C05090998-024
Client Sample ID: SWR-DG

Report Date: 11/04/05
Collection Date: 09/21/05
Date Received: 09/22/05
Matrix: Aqueous

Analyses	Result	Units	Qual	MCL/		Method	Analysis Date / By
				RL	QCL		
MAJOR IONS							
Chloride	23	mg/L		5		E200.7	09/30/05 11:35 / ts
Fluoride	0.5	mg/L		0.1		A4500-F C	10/10/05 09:10 / slb
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	09/29/05 10:43 / jal
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.20		E353.2	09/28/05 15:33 / jal
Sulfate	59	mg/L		5		E200.7	09/30/05 11:36 / ts
PHYSICAL PROPERTIES							
pH	8.38	s.u.		0.01		A4500-H B	09/26/05 17:56 / jc
Solids, Total Dissolved TDS @ 180 C	300	mg/L		10		A2540 C	09/26/05 16:33 / jc
METALS - DISSOLVED							
Aluminum	ND	mg/L		0.1		E200.7	09/30/05 11:36 / ts
Antimony	ND	mg/L		0.05		E200.8	10/07/05 05:14 / sml
Arsenic	ND	mg/L		0.01		E200.8	10/07/05 05:14 / sml
Beryllium	ND	mg/L		0.004		E200.8	10/07/05 05:14 / sml
Cadmium	ND	mg/L		0.001		E200.8	10/07/05 05:14 / sml
Cobalt	ND	mg/L		0.005		E200.8	10/07/05 05:14 / sml
Manganese	ND	mg/L		0.05		E200.7	09/30/05 11:36 / ts
Molybdenum	ND	mg/L		0.1		E200.7	09/30/05 11:36 / ts
Nickel	ND	mg/L		0.05		E200.8	10/07/05 05:14 / sml
Selenium	ND	mg/L		0.005		E200.8	10/07/05 05:14 / sml
Thallium	ND	mg/L		0.1		E200.8	10/07/05 05:14 / sml
Uranium	0.018	mg/L		0.001		E200.8	10/07/05 05:14 / sml
RADIONUCLIDES - DISSOLVED							
Radium 226	ND	pCi/L		1.0		E903.0	09/26/05 15:30 / trs
Radium 228	ND	pCi/L		2.0		RA-05	09/26/05 15:30 / pj
Thorium 230	ND	pCi/L		0.4		E907.0	10/05/05 10:30 / ph
FIELD PARAMETERS:							
pH	8.39	s.u.				FIELD	09/21/05 00:00 / ks

Report Conditions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.