

010001

**SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 060629-11, 060630-1, 060630-2
SRR: 29410
SDG: 282067, 282087, 282107
CASE: B. Werling
VTSR: June 29, 2006
PROJECT#: 06002.01.242**

FINAL REPORT

SOUTHWEST RESEARCH INSTITUTE 010002

SAMPLE ANALYSIS DATA SHEET

Sample ID

1922-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282067

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	6.26	0.1
Fluoride	1.38	0.1
Nitrate-N	0.631	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	27.4	1

SOUTHWEST RESEARCH INSTITUTE 010003

DUPLICATE SUMMARY

Sample ID

1922-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282067

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300			
Analysis	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
Bromide	<0.1	<0.1	0.00%
Chloride	6.26	6.29	0.48%
Fluoride	1.38	1.39	0.72%
Nitrate-N	0.631	0.645	2.19%
Nitrite-N	<0.1	<0.1	0.00%
Phosphate-P	<0.1	<0.1	0.00%
Sulfate	27.4	28.6	4.29%

SOUTHWEST RESEARCH INSTITUTE 010004

MATRIX SPIKE SUMMARY

Sample ID

1922-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282067

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300				
Analysis	Sample Result (mg/L)	Spike Result (mg/L)	Spike Added (mg/L)	Recovery
Bromide	<0.1	4.45	4.00	111%
Chloride	6.26	8.79	2.00	127%
Fluoride	1.38	2.39	1.00	101%
Nitrate-N	0.631	1.55	0.904	102%
Nitrite-N	<0.1	1.19	1.09	109%
Phosphate-P	<0.1	1.90	1.96	96.9%
Sulfate	27.4	66.8	40.0	98.5%

SOUTHWEST RESEARCH INSTITUTE 010005

SAMPLE ANALYSIS DATA SHEET

Lab Name: Southwest Research Institute

Lab Code: SwRI

Matrix: Water

Lab System ID: 282068

Sample ID

1922-4A

Client: Division 20

Date Received: 06/29/06

Project No.: 06002.01.242

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	8.06	0.1
Chloride	4.01	0.1
Fluoride	1.91	0.1
Nitrate-N	1.71	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	3.89	0.1
Sulfate	8.13	0.1

SOUTHWEST RESEARCH INSTITUTE 010006

SAMPLE ANALYSIS DATA SHEET

Sample ID

1922-5A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282069

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	8.10	0.1
Chloride	4.07	0.1
Fluoride	1.90	0.1
Nitrate-N	1.72	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	3.91	0.1
Sulfate	8.18	0.1

SOUTHWEST RESEARCH INSTITUTE 010007

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-10A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282070

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.24	0.1
Fluoride	0.359	0.1
Nitrate-N	5.31	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.16	0.1

SOUTHWEST RESEARCH INSTITUTE 010008

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-11A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282071

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.49	0.1
Fluoride	0.354	0.1
Nitrate-N	1.00	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.25	0.1

SOUTHWEST RESEARCH INSTITUTE 010009

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-12A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282072

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.09	0.1
Fluoride	0.359	0.1
Nitrate-N	0.546	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.12	0.1

SOUTHWEST RESEARCH INSTITUTE 010010

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282073

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.27	0.1
Fluoride	0.358	0.1
Nitrate-N	11.0	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.41	0.1

SOUTHWEST RESEARCH INSTITUTE 010011

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-2A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282074

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.40	0.1
Fluoride	0.366	0.1
Nitrate-N	10.7	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.24	0.1

SOUTHWEST RESEARCH INSTITUTE 010012

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282075

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.07	0.1
Fluoride	0.357	0.1
Nitrate-N	10.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.13	0.1

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-4A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282076

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.34	0.1
Fluoride	0.370	0.1
Nitrate-N	10.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.38	0.1

SOUTHWEST RESEARCH INSTITUTE 010014

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-5A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282077

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.27	0.1
Fluoride	0.364	0.1
Nitrate-N	9.68	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.16	0.1

SOUTHWEST RESEARCH INSTITUTE 010015

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-6A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282078

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.21	0.1
Fluoride	0.358	0.1
Nitrate-N	9.24	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	6.98	0.1

SOUTHWEST RESEARCH INSTITUTE 010016

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-7A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282079

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.11	0.1
Fluoride	0.361	0.1
Nitrate-N	9.09	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.10	0.1

SOUTHWEST RESEARCH INSTITUTE

010017

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-8A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282080

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.17	0.1
Fluoride	0.362	0.1
Nitrate-N	8.10	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.08	0.1

SOUTHWEST RESEARCH INSTITUTE 010018

SAMPLE ANALYSIS DATA SHEET

Sample ID

19C-9A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282081

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.46	0.1
Fluoride	0.362	0.1
Nitrate-N	7.15	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.12	0.1

SOUTHWEST RESEARCH INSTITUTE

010019

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-10A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282082

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.11	0.1
Fluoride	0.361	0.1
Nitrate-N	5.54	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.08	0.1

SOUTHWEST RESEARCH INSTITUTE 010020

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-11A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282083

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	1.98	0.1
Fluoride	0.354	0.1
Nitrate-N	1.10	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.23	0.1

SOUTHWEST RESEARCH INSTITUTE 010021

SAMPLE ANALYSIS DATA SHEET

Lab Name: Southwest Research Institute

Lab Code: SwRI

Matrix: Water

Lab System ID: 282084

Sample ID

19CW-12A

Client: Division 20

Date Received: 06/29/06

Project No.: 06002.01.242

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.34	0.1
Fluoride	0.350	0.1
Nitrate-N	0.656	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.14	0.1

SOUTHWEST RESEARCH INSTITUTE 010022

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282085

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.52	0.1
Fluoride	0.362	0.1
Nitrate-N	10.6	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.163	0.1
Sulfate	7.05	0.1

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-2A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282086

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.29	0.1
Fluoride	0.331	0.1
Nitrate-N	9.89	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	6.73	0.1

SOUTHWEST RESEARCH INSTITUTE

010024

LABORATORY CONTROL SAMPLE

Sample ID

LCS

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: NA

Matrix: Water

Project No.: 06002.01.242

Lab System ID: NA

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300			
Analysis	Sample Result (mg/L)	True Value (mg/L)	Recovery
Bromide	406	400	102%
Chloride	208	200	104%
Fluoride	98.1	100	98.1%
Nitrate-N	91.8	90.4	102%
Nitrite-N	106	109	97.2%
Phosphate-P	196	196	100%
Sulfate	403	400	101%

NA- Not Applicable.

BLANK SUMMARY

Sample ID

PB

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: NA

Matrix: Water

Project No.: 06002.01.242

Lab System ID: NA

SRR: 29410

Task Order: 060629-11

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	<0.1	0.1
Fluoride	<0.1	0.1
Nitrate-N	<0.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	<0.1	0.1

NA- Not Applicable.

SOUTHWEST RESEARCH INSTITUTE

SAMPLE ANALYSIS DATA SHEET

010026

Sample ID

19CW-3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282087

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.11	0.1
Fluoride	0.344	0.1
Nitrate-N	10.5	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.17	0.1

SOUTHWEST RESEARCH INSTITUTE 010027

DUPLICATE SUMMARY

Sample ID

19CW-3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282087

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300			
Analysis	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
Bromide	<0.1	<0.1	0.00%
Chloride	2.11	2.13	0.94%
Fluoride	0.344	0.340	1.17%
Nitrate-N	10.5	10.5	0.00%
Nitrite-N	<0.1	<0.1	0.00%
Phosphate-P	<0.1	0.131	200%
Sulfate	7.17	7.12	0.70%

SOUTHWEST RESEARCH INSTITUTE 010028

MATRIX SPIKE SUMMARY

Sample ID

19CW-3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282087

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300				
Analysis	Sample Result (mg/L)	Spike Result (mg/L)	Spike Added (mg/L)	Recovery
Bromide	<0.1	4.54	4.00	114%
Chloride	2.11	4.34	2.00	112%
Fluoride	0.344	1.23	1.00	88.6%
Nitrate-N	10.5	11.2	0.904	77.4%
Nitrite-N	<0.1	1.12	1.09	103%
Phosphate-P	<0.1	2.25	1.96	115%
Sulfate	7.17	11.4	4.00	106%

SOUTHWEST RESEARCH INSTITUTE 010029

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-4A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282088

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.09	0.1
Fluoride	0.326	0.1
Nitrate-N	10.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.162	0.1
Sulfate	7.06	0.1

SOUTHWEST RESEARCH INSTITUTE 010030

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-5A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282089

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.70	0.1
Fluoride	0.352	0.1
Nitrate-N	9.56	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.15	0.1

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-6A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282090

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.09	0.1
Fluoride	0.347	0.1
Nitrate-N	9.57	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.16	0.1

SOUTHWEST RESEARCH INSTITUTE 010032

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-7A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282091

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.15	0.1
Fluoride	0.350	0.1
Nitrate-N	9.33	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.20	0.1

SOUTHWEST RESEARCH INSTITUTE 010033

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-8A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282092

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.04	0.1
Fluoride	0.361	0.1
Nitrate-N	8.21	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.13	0.1

SOUTHWEST RESEARCH INSTITUTE

010034

SAMPLE ANALYSIS DATA SHEET

Sample ID

19CW-9A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282093

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.20	0.1
Fluoride	0.363	0.1
Nitrate-N	7.28	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.16	0.1

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-10A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282094

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.01	0.1
Fluoride	0.364	0.1
Nitrate-N	5.51	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.11	0.1

SOUTHWEST RESEARCH INSTITUTE 010036

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-11A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282095

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.33	0.1
Fluoride	0.360	0.1
Nitrate-N	1.02	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.29	0.1

SOUTHWEST RESEARCH INSTITUTE 010037

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-12A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282096

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.45	0.1
Fluoride	0.291	0.1
Nitrate-N	0.661	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	6.84	0.1

SOUTHWEST RESEARCH INSTITUTE 010038

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282097

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.46	0.1
Fluoride	0.378	0.1
Nitrate-N	9.25	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.01	0.1

SOUTHWEST RESEARCH INSTITUTE 010039

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-2A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282098

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.05	0.1
Fluoride	0.370	0.1
Nitrate-N	8.92	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.11	0.1

SOUTHWEST RESEARCH INSTITUTE 010040

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282099

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.23	0.1
Fluoride	0.374	0.1
Nitrate-N	8.50	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.07	0.1

SOUTHWEST RESEARCH INSTITUTE

010041

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-4A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282100

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	1.94	0.1
Fluoride	0.373	0.1
Nitrate-N	8.41	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.10	0.1

SOUTHWEST RESEARCH INSTITUTE

010042

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-5A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282101

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	1.96	0.1
Fluoride	0.372	0.1
Nitrate-N	8.20	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.21	0.1

SOUTHWEST RESEARCH INSTITUTE 010043

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-6A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282102

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.02	0.1
Fluoride	0.367	0.1
Nitrate-N	7.85	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.01	0.1

SOUTHWEST RESEARCH INSTITUTE

010042

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-5A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282101

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	1.96	0.1
Fluoride	0.372	0.1
Nitrate-N	8.20	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.21	0.1

SOUTHWEST RESEARCH INSTITUTE 010043

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-6A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282102

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.02	0.1
Fluoride	0.367	0.1
Nitrate-N	7.85	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.01	0.1

SOUTHWEST RESEARCH INSTITUTE

010044

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-7A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282103

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.06	0.1
Fluoride	0.363	0.1
Nitrate-N	7.60	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.04	0.1

SOUTHWEST RESEARCH INSTITUTE 010045

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-8A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282104

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.37	0.1
Fluoride	0.357	0.1
Nitrate-N	6.18	0.1
Nitrite-N	0.133	0.1
Phosphate-P	<0.1	0.1
Sulfate	6.98	0.1

SOUTHWEST RESEARCH INSTITUTE 010046

SAMPLE ANALYSIS DATA SHEET

Sample ID

22C-9A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282105

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.36	0.1
Fluoride	0.364	0.1
Nitrate-N	5.97	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	6.87	0.1

***SOUTHWEST RESEARCH INSTITUTE* 010047**

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-10A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282106

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	1.97	0.1
Fluoride	0.362	0.1
Nitrate-N	5.63	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.07	0.1

SOUTHWEST RESEARCH INSTITUTE 010048

LABORATORY CONTROL SAMPLE

Sample ID

LCS

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: NA

Matrix: Water

Project No.: 06002.01.242

Lab System ID: NA

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300			
Analysis	Sample Result (mg/L)	True Value (mg/L)	Recovery
Bromide	406	400	102%
Chloride	208	200	104%
Fluoride	98.1	100	98.1%
Nitrate-N	91.8	90.4	102%
Nitrite-N	106	109	97.2%
Phosphate-P	196	196	100%
Sulfate	403	400	101%

NA- Not Applicable.

BLANK SUMMARY

Sample ID

PB

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: NA

Matrix: Water

Project No.: 06002.01.242

Lab System ID: NA

SRR: 29410

Task Order: 060630-1

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	<0.1	0.1
Fluoride	<0.1	0.1
Nitrate-N	<0.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	<0.1	0.1

NA- Not Applicable.

SOUTHWEST RESEARCH INSTITUTE 010050

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-11A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282107

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.09	0.1
Fluoride	0.353	0.1
Nitrate-N	1.13	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.12	0.1

SOUTHWEST RESEARCH INSTITUTE 010051

DUPLICATE SUMMARY

Sample ID

22CW-11A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282107

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300			
Analysis	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD
Bromide	<0.1	<0.1	0.00%
Chloride	2.09	2.12	1.43%
Fluoride	0.353	0.353	0.00%
Nitrate-N	1.13	1.14	0.88%
Nitrite-N	<0.1	<0.1	0.00%
Phosphate-P	<0.1	<0.1	0.00%
Sulfate	7.12	7.19	0.98%

SOUTHWEST RESEARCH INSTITUTE 010052

MATRIX SPIKE SUMMARY

Sample ID

22CW-11A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282107

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300				
Analysis	Sample Result (mg/L)	Spike Result (mg/L)	Spike Added (mg/L)	Recovery
Bromide	<0.1	4.06	4.00	102%
Chloride	2.09	4.11	2.00	101%
Fluoride	0.353	1.29	1.00	93.7%
Nitrate-N	1.13	2.00	0.904	96.2%
Nitrite-N	<0.1	1.08	1.09	99.1%
Phosphate-P	<0.1	1.94	1.96	99.0%
Sulfate	7.12	11.1	4.00	99.5%

SOUTHWEST RESEARCH INSTITUTE 010053

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-12A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282108

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.53	0.1
Fluoride	0.355	0.1
Nitrate-N	0.682	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.114	0.1
Sulfate	7.13	0.1

SOUTHWEST RESEARCH INSTITUTE 010054

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-1A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282109

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.48	0.1
Fluoride	0.392	0.1
Nitrate-N	11.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.280	0.1
Sulfate	7.44	0.1

SOUTHWEST RESEARCH INSTITUTE 010055

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-2A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282110

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.02	0.1
Fluoride	0.370	0.1
Nitrate-N	10.5	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.239	0.1
Sulfate	7.19	0.1

SOUTHWEST RESEARCH INSTITUTE 010056

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-3A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282111

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.29	0.1
Fluoride	0.373	0.1
Nitrate-N	10.7	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.189	0.1
Sulfate	7.44	0.1

SOUTHWEST RESEARCH INSTITUTE 010056A

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-4A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282112

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	1.99	0.1
Fluoride	0.364	0.1
Nitrate-N	10.3	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.151	0.1
Sulfate	7.30	0.1

SOUTHWEST RESEARCH INSTITUTE 010057

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-5A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282113

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.14	0.1
Fluoride	0.363	0.1
Nitrate-N	10.3	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.191	0.1
Sulfate	7.54	0.1

SOUTHWEST RESEARCH INSTITUTE

010058

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-6A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282114

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.33	0.1
Fluoride	0.350	0.1
Nitrate-N	9.56	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.160	0.1
Sulfate	7.22	0.1

SOUTHWEST RESEARCH INSTITUTE 010059

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-7A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282115

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.13	0.1
Fluoride	0.360	0.1
Nitrate-N	9.28	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.08	0.1

SOUTHWEST RESEARCH INSTITUTE 010060

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-8A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282116

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.21	0.1
Fluoride	0.371	0.1
Nitrate-N	8.32	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	0.117	0.1
Sulfate	7.20	0.1

SOUTHWEST RESEARCH INSTITUTE 010061

SAMPLE ANALYSIS DATA SHEET

Sample ID

22CW-9A

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: 06/29/06

Matrix: Water

Project No.: 06002.01.242

Lab System ID: 282117

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	2.05	0.1
Fluoride	0.365	0.1
Nitrate-N	7.73	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	7.12	0.1

SOUTHWEST RESEARCH INSTITUTE 010062

LABORATORY CONTROL SAMPLE

Sample ID

LCS

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: NA

Matrix: Water

Project No.: 06002.01.242

Lab System ID: NA

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300			
Analysis	Sample Result (mg/L)	True Value (mg/L)	Recovery
Bromide	406	400	102%
Chloride	208	200	104%
Fluoride	98.1	100	98.1%
Nitrate-N	91.8	90.4	102%
Nitrite-N	106	109	97.2%
Phosphate-P	196	196	100%
Sulfate	403	400	101%

NA- Not Applicable.

BLANK SUMMARY

Sample ID

PB

Lab Name: Southwest Research Institute

Client: Division 20

Lab Code: SwRI

Date Received: NA

Matrix: Water

Project No.: 06002.01.242

Lab System ID: NA

SRR: 29410

Task Order: 060630-2

Method: IC - EPA 300		
Analysis	Sample Result (mg/L)	Reporting Limit (mg/L)
Bromide	<0.1	0.1
Chloride	<0.1	0.1
Fluoride	<0.1	0.1
Nitrate-N	<0.1	0.1
Nitrite-N	<0.1	0.1
Phosphate-P	<0.1	0.1
Sulfate	<0.1	0.1

NA- Not Applicable.

010064

**SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 060629-11, 060630-1, 060630-2
SRR: 29410
SDG: 282067, 282087, 282107
CASE: B. Werling
VTSR: June 29, 2006
PROJECT#: 06002.01.242**

Task Orders/01-QPP-015

Laboratory Task Order

010065

TO #: 060629-11 Revision: 0

SDG: 282067
 VTSR: 06/29/06
 CASE: CNWRA

SRR #s: 29410
 Client(s): Div. 20

Project(s): 06002.01.242
 Manager(s): DAMMANN, MIKE
 To PM: 07/12/06
 To QA: 07/12/06
 To Client: 07/13/06

Instructions

DIVISION 20 - CNWRA. 2-WEEK TAT. Using 13-day TAT for PM/preliminary, DRG/QAU; 14-day TAT hardcopy; subject to change.
 Work is 10 CFR 50 Appendix B, 10 CFR Part 21, contact MARK EHNSTROM (ext. 3530) or CHARLIE BUTCHER (ext. 5928, pager 271-5172) or JO ANN BOYD (ext. 2169) BEFORE STARTING ANY WORK ON THIS TASK ORDER.

 ** NOTE ** Somewhere on your data, please make a notation indicating WHO and WHEN Mark Ehnstrom or Charlie Butcher or Jo Ann Boyd were contacted. This will help facilitate the final package to QA.

 FIFTY-ONE samples received on 06/29/06 for ANIONS by ICP. The samples will be broken up into three task orders. Point of Contact is BRADLEY WERLING (x6565).
 CONTACT PM WITH ANY ADDITIONAL QUESTIONS.

Documents Related to this task order: 24115[COC 29410]

Deliverables -> Hard Copy: -YES- EDD: no PDF: no

Test: IC-SWRI

Holding: 28 days from CED

Section: WETCHEM

Ion Chromatography by SwRI Method

Cnt: 20

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
282067		1	Water	1922-1A	28 Jun 06	26 Jul 06
282068		1	Water	1922-4A	28 Jun 06	26 Jul 06
282069		1	Water	1922-5A	28 Jun 06	26 Jul 06
282070		1	Water	19C-10A	28 Jun 06	26 Jul 06
282071		1	Water	19C-11A	28 Jun 06	26 Jul 06
282072		1	Water	19C-12A	28 Jun 06	26 Jul 06
282073		1	Water	19C-1A	28 Jun 06	26 Jul 06
282074		1	Water	19C-2A	28 Jun 06	26 Jul 06
282075		1	Water	19C-3A	28 Jun 06	26 Jul 06
282076		1	Water	19C-4A	28 Jun 06	26 Jul 06
282077		1	Water	19C-5A	28 Jun 06	26 Jul 06
282078		1	Water	19C-6A	28 Jun 06	26 Jul 06
282079		1	Water	19C-7A	28 Jun 06	26 Jul 06
282080		1	Water	19C-8A	28 Jun 06	26 Jul 06
282081		1	Water	19C-9A	28 Jun 06	26 Jul 06
282082		1	Water	19CW-10A	28 Jun 06	26 Jul 06
282083		1	Water	19CW-11A	28 Jun 06	26 Jul 06
282084		1	Water	19CW-12A	28 Jun 06	26 Jul 06
282085		1	Water	19CW-1A	28 Jun 06	26 Jul 06
282086		1	Water	19CW-2A	28 Jun 06	26 Jul 06

Laboratory Task Order

010066

TO #: 060630-1 Revision: 0

SDG: 282087
 VTSR: 06/29/06
 CASE: CNWRA

SRR #s: 29410
 Client(s): Div. 20

Project(s): 06002.01.242
 Manager(s): DAMMANN, MIKE
 To PM: 07/12/06
 To QA: 07/12/06
 To Client: 07/13/06

Instructions

DIVISION 20 - CNWRA. 2-WEEK TAT. Using 13-day TAT for PM/preliminary, DRG/QAU; 14-day TAT hardcopy; subject to change.
 Work is 10 CFR 50 Appendix B, 10 CFR Part 21, contact MARK EHNSTROM (ext. 3530) or CHARLIE BUTCHER (ext. 5928, pager 271-5172) or JO ANN BOYD (ext. 2169) BEFORE STARTING ANY WORK ON THIS TASK ORDER.

**** NOTE **** Somewhere on your data, please make a notation indicating WHO and WHEN Mark Ehnstrom or Charlie Butcher or Jo Ann Boyd were contacted. This will help facilitate the final package to QA.

FIFTY-ONE samples received on 06/29/06 for ANIONS by ICP. The samples will be broken up into three task orders. Point of Contact is BRADLEY WERLING (x6565).
 See also: Task Order # 060629-11.
 CONTACT PM WITH ANY ADDITIONAL QUESTIONS.

Documents Related to this task order: 24115[COC 29410]

Deliverables -> Hard Copy: -YES- EDD: no PDF: no

Test: IC-SWRI
 Section: WETCHEM

Holding: 28 days from CED
Ion Chromatography by SwRI Method

Cnt: 20

System ID	Type	Cont	Matrix	Customer ID	CED	Method Date
282087		1	Water	19CW-3A	28 Jun 06	26 Jul 06
282088		1	Water	19CW-4A	28 Jun 06	26 Jul 06
282089		1	Water	19CW-5A	28 Jun 06	26 Jul 06
282090		1	Water	19CW-6A	28 Jun 06	26 Jul 06
282091		1	Water	19CW-7A	28 Jun 06	26 Jul 06
282092		1	Water	19CW-8A	28 Jun 06	26 Jul 06
282093		1	Water	19CW-9A	28 Jun 06	26 Jul 06
282094		1	Water	22C-10A	28 Jun 06	26 Jul 06
282095		1	Water	22C-11A	28 Jun 06	26 Jul 06
282096		1	Water	22C-12A	28 Jun 06	26 Jul 06
282097		1	Water	22C-1A	28 Jun 06	26 Jul 06
282098		1	Water	22C-2A	28 Jun 06	26 Jul 06
282099		1	Water	22C-3A	28 Jun 06	26 Jul 06
282100		1	Water	22C-4A	28 Jun 06	26 Jul 06
282101		1	Water	22C-5A	28 Jun 06	26 Jul 06
282102		1	Water	22C-6A	28 Jun 06	26 Jul 06
282103		1	Water	22C-7A	28 Jun 06	26 Jul 06
282104		1	Water	22C-8A	28 Jun 06	26 Jul 06
282105		1	Water	22C-9A	28 Jun 06	26 Jul 06
282106		1	Water	22CW-10A	28 Jun 06	26 Jul 06

Laboratory Task Order

010067

TO #: 060630-2 Revision: 0

SDG: 282107
 VTSR: 06/29/06
 CASE: CNWRA

SRR #s: 29410
 Client(s): Div. 20

Project(s): 06002.01.242
 Manager(s): DAMMANN, MIKE
 To PM: 07/12/06
 To QA: 07/12/06
 To Client: 07/13/06

Instructions

DIVISION 20 - CNWRA. 2-WEEK TAT. Using 13-day TAT for PM/preliminary, DRG/QAU; 14-day TAT hardcopy; subject to change.
 Work is 10 CFR 50 Appendix B, 10 CFR Part 21, contact MARK EHNSTROM (ext. 3530) or CHARLIE BUTCHER (ext. 5928, pager 271-5172) or JO ANN BOYD (ext. 2169) BEFORE STARTING ANY WORK ON THIS TASK ORDER.

**** NOTE **** Somewhere on your data, please make a notation indicating WHO and WHEN Mark Ehnstrom or Charlie Butcher or Jo Ann Boyd were contacted. This will help facilitate the final package to QA.

FIFTY-ONE samples received on 06/29/06 for ANIONS by IC. The samples will be broken up into three task orders. Point of Contact is BRADLEY WERLING (x6565).
 See also: Task Order # 060629-11, 060630-1.
 CONTACT PM WITH ANY ADDITIONAL QUESTIONS.

Documents Related to this task order: 24115 [COC 29410]

Deliverables -> Hard Copy: -YES- EDD: no PDF: no

Test: IC-SWRI
 Section: WETCHEM

Holding: 28 days from CED
 Ion Chromatography by SwRI Method

Cnt: 11

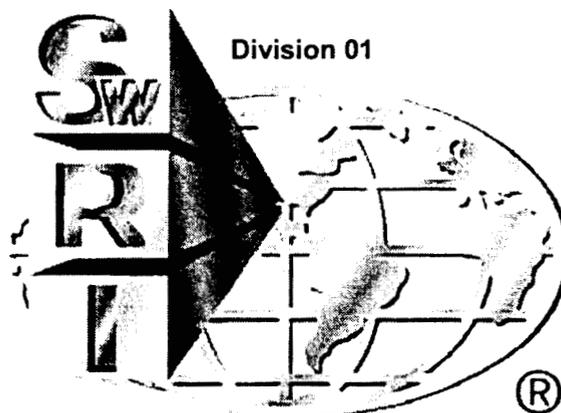
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282109		1	Water	22CW-1A	28 Jun 06	26 Jul 06
282110		1	Water	22CW-2A	28 Jun 06	26 Jul 06
282111		1	Water	22CW-3A	28 Jun 06	26 Jul 06
282112		1	Water	22CW-4A	28 Jun 06	26 Jul 06
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282114		1	Water	22CW-6A	28 Jun 06	26 Jul 06
282115		1	Water	22CW-7A	28 Jun 06	26 Jul 06
282116		1	Water	22CW-8A	28 Jun 06	26 Jul 06
282117		1	Water	22CW-9A	28 Jun 06	26 Jul 06

010068

CONTROLLED COPY
IF YOU SEE THIS DOCUMENT IS UNCONTROLLED

01-QPP-015
Division 01
Revision 5
June 2004

Document No. _____



Chemistry and Chemical
Engineering Division

QUALITY PROJECT PLAN FOR

**PERFORMANCE OF CHEMICAL ANALYSES
FOR COMMERCIAL NUCLEAR POWER PLANTS
WITHIN THE DEPARTMENT OF ANALYTICAL
AND ENVIRONMENTAL CHEMISTRY**

SOUTHWEST RESEARCH INSTITUTE
Chemistry and Chemical Engineering Division
6220 CULEBRA ROAD, SAN ANTONIO, TEXAS 78238

**QUALITY PROJECT PLAN FOR PERFORMANCE OF CHEMICAL ANALYSES
FOR COMMERCIAL NUCLEAR POWER PLANTS
WITHIN THE DEPARTMENT OF ANALYTICAL AND ENVIRONMENTAL CHEMISTRY**

SwRI AUTHORIZATION SIGNATORIES

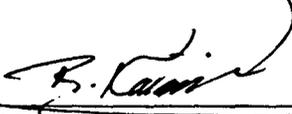
This is to certify that this Quality Project Plan of Southwest Research Institute (SwRI) has been reviewed and approved by the following personnel:



JO ANN BOYD (210) 522-2169
Quality Assurance Manager

6/4/04

DATE



REZA KARIMI (210) 522-2412
Director, Department of Analytical and Environmental Chemistry

6/4/04

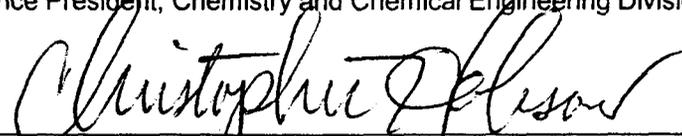
DATE



MICHAEL G. MACNAUGHTON (210) 522-5162
Vice President, Chemistry and Chemical Engineering Division

6/4/04

DATE



CHRISTOPHER HOBSON (210) 522-5838
Quality Assurance Engineer

6/4/2004

DATE

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION	
2.0 SCOPE	
3.0 REFERENCES	
4.0 APPLICABLE SECTIONS OF SwRI PROGRAM QUALITY PLAN (PQP-NUCLEAR)	
4.1 Indoctrination and Training	
4.2 Qualification of Personnel	
4.3 Design Control	
4.4 Right of Access	
4.5 Control of Supplier-Generated Documents	
4.6 Acceptance of Services Only	
4.7 Commercial Grade Items	
4.8 Inspection	
4.9 Inspection and Testing	
4.10 Handling, Storage, Packaging, Preservation, and Delivery	
4.11 Quality Assurance Records	
4.12 10 CFR, Part 21	
4.13 Certified Test Report	
4.14 Valid Documents List	
5.0 HISTORY OF REVISIONS	

**PERFORMANCE OF CHEMICAL ANALYSES
FOR COMMERCIAL NUCLEAR POWER PLANTS WITHIN THE
DEPARTMENT OF ANALYTICAL AND ENVIRONMENTAL CHEMISTRY**

1.0 INTRODUCTION

This Quality Project Plan (QPP) defines the Quality Assurance (QA) program requirements for personnel providing the chemical analyses for commercial nuclear power plants. Southwest Research Institute (SwRI) *Program Quality Plan (PQP-Nuclear), Nuclear Services* shall implement the QA requirements. Project activities controlled by the PQP-Nuclear shall be accomplished as specified by the appropriate sections of **01-QAP-004, Quality Assurance Plan for Analytical and Environmental Services** and/or nationally recognized testing methods as specified on individual purchase orders. This QPP shall be applied to all projects initiated for nuclear utilities in the Department of Analytical and Environmental Chemistry. If, as a result of complexity, duration, or other factors, it is determined that a unique, project-specific quality plan is required, the project QAE shall notify the Project Manager and a project-specific quality plan shall be generated in accordance with **SOP-01-4.2.1, Preparation and Revision of Documented Procedures**.

2.0 SCOPE

This Quality Project Plan shall be applied to the chemical analyses performed for commercial nuclear power plants by the Department of Analytical and Environmental Chemistry within the Chemistry and Chemical Engineering Division. Although the majority of the work performed for nuclear facilities resides within the Department of Analytical and Environmental Chemistry, other departments within the division may utilize this Quality Project Plan as deemed necessary when nuclear projects are conducted.

3.0 REFERENCES

- 3.1 *SwRI Quality System Manual – 2000*
- 3.2 *10 CFR 50, Appendix B, ASME NQA-1*
- 3.3 *SwRI Program Quality Plan (PQP-Nuclear), Nuclear Services*
- 3.4 *01-QAP-004, Quality Assurance Plan for Analytical and Environmental Services*

4.0 APPLICABLE SECTIONS OF SwRI PROGRAM QUALITY PLAN (PQP-NUCLEAR)**4.1 Indoctrination and Training**

- 4.1.1 Personnel performing duties affecting quality shall receive quality training to the *SwRI Program Quality Plan (PQP-Nuclear), Nuclear Services* prior to performing any work on projects for nuclear utilities. This training will be conducted either by Institute Quality Systems (IQS) or Division 01 Quality Assurance personnel and documentation shall be evident in the personnel training files maintained in Division

- 01 Quality Assurance.
- 4.1.2 Indoctrination and training of personnel shall be conducted in accordance with **SOP-01-6.2.1, Qualification and Training.**

4.2 Qualification of Personnel

- 4.2.1 Testing personnel shall be designated as qualified to perform applicable testing activities as specified in **SOP-01-6.2.1, Qualification and Training.**
- 4.2.2 During the performance of each testing process, testing personnel shall have access to the necessary documented procedures, i.e., QPP, QAP, TAPs, and Division Quality System Standard Operating Procedures (SOPs) and test/analytical procedures (TAPs) available for ready reference.
- 4.2.3 Any person who has not performed testing activities associated with a test method being used for nuclear utilities projects for a period of one year shall be reevaluated prior to the conduct of the test.
- 4.2.4 Quality Assurance personnel witnessing the testing process for nuclear utilities shall have documented evidence of qualifications maintained by Institutional Quality Systems or Division 01 Quality Assurance.

4.3 Design Control

Not applicable to activities conducted within the Department of Analytical and Environmental Chemistry.

4.4 Right of Access

- 4.4.1 Procurement documents shall provide for access to the suppliers' facilities and records for surveillance, inspection, or audit by SwRI and clients.
- 4.4.2 Where appropriate, quality clause **Q32** shall be noted on the procurement documents to indicate that right of access for inspection and surveillance of activities associated with the order shall be afforded to SwRI and clients.

4.5 Control of Supplier-Generated Documents

- 4.5.1 Client documents shall be controlled in accordance with **SOP-01-4.2.1, Preparation and Revision of Documented Procedures.** These procedures provide the requirements for the preparation, review, approval, issue, distribution, and revision of documents controlled by the Chemistry and Chemical Engineering Division.
- 4.5.2 Documents may be controlled as Plans or Work Instructions and shall be accessible through the Division Intranet link, **Contract Requirements** as PDF files.
- 4.5.3 Nationally recognized test methods shall be of the most current issue or as specified in the purchase order. Task orders shall identify the applicable test methods to be used on the nuclear project.

4.6 Acceptance of Services Only

Not applicable to activities conducted within the Department of Analytical and Environmental Chemistry.

4.7 Commercial Grade Items

- 4.7.1 Where an item is to be incorporated into a test or deliverable to a client, and that item is not subject to design or specification requirements that are unique to nuclear facilities, used in applications other than nuclear facilities, and procured from the supplier on the specifications set forth in the manufacturers' published product and description, the item shall be considered "commercial grade".
- 4.7.2 Chemical reagents and standards used for testing purposes shall be ordered to specific chemical grades and certificates of analysis shall be required with each lot.
- 4.7.3 Controls for procurement planning, supplier selection, supplier performance evaluation, and acceptance of procured items and services other than chemical reagents and standards shall be as identified in **SOP-01-7.4.1**, *Purchasing*, and any referenced document within that procedure.
- 4.7.4 Receipt inspection of chemical reagents, standards, and test items for use on nuclear safety-related projects shall be performed by department personnel and documented on the *SwRI Receipt Traveler* or **FRM-109**, *Item Receipt Report*, as specified in **SOP-01-8.2.4**, *Monitoring and Measurement*. Any discrepancy such as a damaged container or container label shall be documented on the form and the client shall be contacted for disposition.
- 4.7.5 Prior or acceptance of a commercial grade item, the receipt inspection shall determine the following:
- (a) Damage was not sustained during shipment;
 - (b) The item has satisfied the specified acceptance criteria; and
 - (c) Specified documentation, as applicable to the item, was received and is acceptable.
- 4.7.6 Receipt inspection of chemical reagents and standards shall also consist of verification of chemical type, grade, container integrity, certificate of analysis, and shelf life, where applicable. Upon acceptance of chemical reagents and standards, the containers shall be labeled with the following:
- (a) Chemical name;
 - (b) Chemical grade;
 - (c) Lot code;

-
- (d) Date received; and
 - (e) Shelf life, when applicable.
- 4.7.7 Expired shelf life items shall not be used for testing purposes.
- 4.7.8 Lot codes of chemical reagents and standards used during equipment standardization and testing shall be recorded on the individual testing data sheets to provide traceability.
- 4.7.9 Samples supplied to SwRI for testing shall be received by the Sample Custodian and logged into the laboratory logbook. Sample documentation and sample custody shall be maintained in accordance with **TAP-01-0407-001**, *Sample Receipt Inspection*, and **TAP-01-0407-035**, *Organic and Inorganic Sample Security*.
- 4.7.10 Samples supplied to SwRI for testing shall be labeled with the following:
- (a) Sample control number;
 - (b) Purchase order number;
 - (c) Purchase order line item number, as applicable;
 - (d) Task order number;
 - (e) Nuclear QA label; and
 - (f) Sample retention date, when applicable.
- 4.7.11 In the event that samples are damaged upon receipt, a **Sample Discrepancy Record** shall be generated from the Division Intranet.
- 4.7.12 The testing task order shall list the project number, tests required, test methods required, and shall be labeled *Nuclear Quality*.
- 4.7.13 Identification and traceability shall be maintained in accordance with **SOP-01-7.5.1**, *Item Identification and Traceability*.

4.8 Inspection

- 4.8.1 Inspection for acceptance shall be performed by qualified persons other than those who conduct or directly supervise the work being inspected.
- 4.8.2 Institute Quality System (IQS) personnel shall perform surveillance activities as required to ensure compliance with the contract and this Quality Project Plan. Specific areas in which IQS may perform surveillance activities include, but are not limited to, the following:
- (a) Receiving inspection and labeling of chemical reagents, standards, and testing samples;
 - (b) Testing processes;
 - (c) Calibration and major equipment;
 - (d) Sample and record retention; and
 - (e) Test records.

4.9 Inspection and Testing

- 4.9.1 Required tests for acceptance shall be conducted under appropriate environmental conditions using the tools and equipment necessary to conduct the test in a manner to fulfill test requirements and acceptance criteria.
- 4.9.2 Tests shall be conducted, controlled, and verified in accordance with **SOP-01-8.2.4, *Monitoring and Measurement***.
- 4.9.3 Controls for measuring and test equipment shall be as specified in **SOP-01-7.6.1, *Control of Measuring and Test Equipment***.
- 4.9.4 Controls for identification, segregation, reporting, and resolution of nonconforming items and conditions shall be as specified in **SOP-01-8.3.1, *Nonconformance Reporting***.

4.10 Handling, Storage, Packaging, Preservation, and Delivery

- 4.10.1 Controls for handling, storage, packaging, preservation, and delivery of items are identified in **SOP-01-7.5.3, *Handling, Storage, Packaging, Protection, and Delivery of Items***.
- 4.10.2 Samples specified on the purchase order to be returned to the client shall be prepared and packaged as specified on the purchase order. Each package shall be marked legibly and indelibly with the purchase order/release number and line item number(s) relevant to the package.

4.11 Quality Assurance Records

- 4.11.1 Quality assurance records shall furnish documentary evidence that items or activities meet specified quality requirements. Documents that ensure this evidence include **TAP-01-0407-014**, *Inventory of Case File Purges*, and **SOP-01-4.2.4**, *Storage and Maintenance of Quality Records*. These documents and this QPP ensure that QA records shall be legible, identifiable, retrievable, and maintained in dual storage.
- 4.11.2 Records shall be traceable to associated items and activities and shall accurately reflect the work accomplished or information required.
- 4.11.3 Documents shall be considered valid records only if stamped, initialed or signed and dated by authorized personnel or otherwise authenticated.
- 4.11.4 Records of test analyses performed by the Department of Analytical and Environmental Chemistry are classified as *nonpermanent* and shall be retained for a minimum of five years. Nonpermanent records are those required to show evidence that an activity was performed in accordance with the applicable requirements, but need not be retained for the life of the item. Based on the use of the final data, the client shall be responsible for determining and implementing permanent storage requirements.
- 4.11.5 In order to satisfy duplicate storage requirements, one copy of the QA record shall be maintained by the Project Manager in Building 70 and a separate copy shall be maintained in the Division Quality Assurance Archives in Building 201. Storage requirements shall be as stated in **SOP-01-4.2.4**, *Storage and Maintenance of Quality Records*, to ensure protection against the risk of damage or destruction.

4.12 10 CFR, Part 21

- 4.12.1 SwRI procurement documents shall include requirements for reporting and approving disposition of supplier nonconformances and, when required, compliance to 10 CFR, Part 21.
- 4.12.2 The Manager of Institute Quality Assurance or Director of Institute Quality Systems shall determine if a nonconforming condition is reportable under 10 CFR, Part 21, and initiate reporting and condition in accordance with the SwRI Operating Policies and Procedures (OPP). Safety hazards or defects that could create a substantial safety hazard shall be reported. Substantial safety hazard means a loss of safety function to the extent that there is a major reduction in the degree of protection provided to public health and safety.

4.13 Certified Test Report

The Project Manager and Institute Quality Assurance Manager as complying with all contractual requirements shall certify test reports. The certified test report shall reference the purchase order/release number, the test methods performed, and the purchase

order/release line item number.

4.14 Valid Documents List

The Department of Analytical and Environmental Chemistry task order shall specify all applicable documents and appropriate document revision level for each document. The task order shall then serve as the Valid Documents List (VDL) for each individual project.

5.0 HISTORY OF REVISIONS

Versions 0 through 3 of this plan are maintained on record in Division 01 Quality Assurance.

Revision 4

Title of document changed from the Standard Project Quality Plan *SPQP-CH/AN* to Quality Project Plan, *QPP-015*

Extensive revision to comply with Project Quality Plan PQP-Nuclear, *Nuclear Services*, which replaces SwRI NQAPM, *Nuclear Quality Assurance Program Manual*.

Revision 5

Revised 4.1.1 to include designated Division 01 QA staff to conduct pertinent nuclear training sessions to the SwRI Program Quality Plan (PQP-Nuclear), *Nuclear Services*

Revised step 4.2.4 to include Division QA as an entity along with IQS, to maintain documented evidence of qualifications

010078

**SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 060629-11, 060630-1, 060630-2
SRR: 29410
SDG: 282067, 282087, 282107
CASE: B. Werling
VTSR: June 29, 2006
PROJECT#: 06002.01.242**

Chain of Custody/Login Paperwork

24115

Shipper Name/ Address <i>Bradley Werling Bldg 57</i>	SAMPLE LIST/CHAIN OF CUSTODY Southwest Research Institute® Chemistry and Chemical Engineering Division 6220 Culebra Road San Antonio, Texas 78238-5166										Requested Turnaround: <input checked="" type="checkbox"/> 2 Weeks <input type="checkbox"/> 3 Weeks <input type="checkbox"/> Other:		
	Client <i>DIV 20</i>	Client Purchase Order/Other ID					Site/Zone ID					SwRI Contact <i>Mike Dammann</i>	
Analyses Requested													
Sample ID	Sample Collection Date (mm/dd/yy)	Sample Collection Time	Matrix Type	Sample Type	# of Containers							REMARKS Preservation a = HCl to pH <2 b = HNO ₃ to pH <2 c = H ₂ SO ₄ to pH <2 d = NaOH to pH >12 e = Cool (4°C±2°C) f = Other (specify) <i>none</i>	
<i>19CW-1A</i>	<i>6/28/06</i>		<i>W</i>		<i>1</i>	<i>✓</i>							<i>Nuclear Safety related - use appropriate QA procedures</i>
<i>19CW-2A</i>						<i>✓</i>							
<i>19CW-3A</i>						<i>✓</i>							
<i>19CW-4A</i>						<i>✓</i>							
<i>19CW-5A</i>						<i>✓</i>							
<i>19CW-6A</i>						<i>✓</i>							
<i>19CW-7A</i>						<i>✓</i>							
<i>19CW-8A</i>						<i>✓</i>							
<i>19CW-9A</i>						<i>✓</i>							
<i>19CW-10A</i>						<i>✓</i>						<i>POC-Bradley Werling, x6565 fax 5184</i>	
Matrix Types: A - Air B - Biota D - Dust E - Emission/Stack L - Liquid P - Product Sd - Solid S - Soil SED - Sediment T - Tissue W - Water WP - Wipe		Sample Types: D - Duplicate ER - Equipment Rinsate ES - Environmental Sample FB - Field Blank FD - Field Duplicate MS - Matrix Spike MSD - Matrix Spike Dup TB - Trip Blank		Relinquished by (Print/Signature) <i>Marla Roberts Marla Roberts</i>			Date <i>6/29/06</i>	Time	SwRI Project#: <i>20.06002.01.242</i>				
Temp: <i>22.0°C</i>		Therm #: <i>027</i>		Received by (Print/Signature)			Date	Time	Received by SwRI Lab (Signature) <i>[Signature]</i>				
Comments: <i>Radioactive - Np 237 at 8.5x10⁻⁷ M or 1.4x10⁻⁴ uCi/ml SN 800141</i>		Relinquished by (Print/Signature)			Date	Time	Date <i>6/29/06</i>				Time <i>1045</i>		
								Samples Disposed: Date				Time	
								Samples Disposed by:					

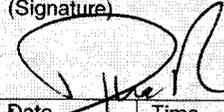
SRL# 29410 010079

24115

Shipper Name/ Address Bradley Werling Bldg 57	SAMPLE LIST/CHAIN OF CUSTODY Southwest Research Institute® Chemistry and Chemical Engineering Division 6220 Culebra Road San Antonio, Texas 78238-5166						Requested Turnaround: <input checked="" type="checkbox"/> 2 Weeks <input type="checkbox"/> 3 Weeks <input type="checkbox"/> Other: _____									
							SwRI Contact Mike Dammann									
Client Div 20	Client Purchase Order/Other ID					Site/Zone ID					SwRI Contact Mike Dammann					
Analyses Requested											REMARKS Preservation a = HCl to pH <2 b = HNO ₃ to pH <2 c = H ₂ SO ₄ to pH <2 d = NaOH to pH >12 e = Cool (4°C±2°C) f = Other (specify) none					
Sample ID	Sample Collection Date (mm/dd/yy)	Sample Collection Time	Matrix Type	Sample Type	# of Containers	Analysis by										
19CW-11A	6/25/06		W		1	AMION by IC	✓									
19CW-12A							✓									
19C-1A							✓									
19C-2A							✓									
19C-3A							✓									
19C-4A							✓									
19C-5A							✓									
19C-6A							✓									
19C-7A							✓									
19C-8A							✓									
Matrix Types: A - Air B - Biota D - Dust E - Emission/Stack L - Liquid P - Product Sd - Solid S - Soil SED - Sediment T - Tissue W - Water WP - Wipe		Sample Types: D - Duplicate ER - Equipment Rinsate ES - Environmental Sample FB - Field Blank FD - Field Duplicate MS - Matrix Spike MSD - Matrix Spike Dup TB - Trip Blank		Relinquished by (Print/Signature) Marla Roberts			Date 6/29/06	Time 1045	SwRI Project#: 20.06002.01.242							
				Received by (Print/Signature) Marla Roberts			Date	Time	Received by SwRI Lab: (Signature) 							
				Relinquished by (Print/Signature)			Date	Time	Date 6/29/06							
				Received by (Print/Signature)			Date	Time	Time 1045							
				Relinquished by (Print/Signature)			Date	Time	Samples Disposed: Date							
									Time							
							Samples Disposed by:									
Temp: 22.0°C		Therm #: 027		Comments: Radioactive - NP237 at 8.5x10⁻⁷ M or 1.4x10⁻⁴ µCi/ml SA 800/41												

SRI # 29410 010080

24115

Shipper Name/Address <i>Bradley Werling Bldg 57</i>		SAMPLE LIST/CHAIN OF CUSTODY Southwest Research Institute® Chemistry and Chemical Engineering Division 6220 Culebra Road San Antonio, Texas 78238-5166						Requested Turnaround: <input checked="" type="checkbox"/> 2 Weeks <input type="checkbox"/> 3 Weeks <input type="checkbox"/> Other:			
Client <i>DIR 20</i>		Client Purchase Order/Other ID			Site/Zone ID			SwRI Contact <i>Mike Dammann</i>			
Analyses Requested											
Sample ID	Sample Collection Date (mm/dd/yy)	Sample Collection Time	Matrix Type	Sample Type	# of Containers					REMARKS Preservation a = HCl to pH <2 b = HNO ₃ to pH <2 c = H ₂ SO ₄ to pH <2 d = NaOH to pH >12 e = Cool (4°C±2°C) f = Other (specify) <i>none</i>	
<i>19C-9A</i>	<i>6/28/06</i>		<i>W</i>		<i>1</i>	<i>Amions by IC</i>				<i>Nuclear Safety Related-use appropriate QA procedures</i>	
<i>19C-10A</i>						<i>✓</i>					
<i>19C-11A</i>						<i>✓</i>					
<i>19C-12A</i>						<i>✓</i>					
<i>22CW-1A</i>						<i>✓</i>					
<i>22CW-2A</i>						<i>✓</i>					
<i>22CW-3A</i>						<i>✓</i>					
<i>22CW-4A</i>						<i>✓</i>				<i>POC - Bradley Werling x 6565 fax 5784</i>	
<i>22CW-5A</i>						<i>✓</i>					
<i>22CW-6A</i>						<i>✓</i>					
Matrix Types: A - Air B - Biota D - Dust E - Emission/Stack L - Liquid P - Product Sd - Solid S - Soil SED - Sediment T - Tissue W - Water WP - Wipe		Sample Types: D - Duplicate ER - Equipment Rinsate ES - Environmental Sample FB - Field Blank FD - Field Duplicate MS - Matrix Spike MSD - Matrix Spike Dup TB - Trip Blank		Relinquished by (Print/Signature) <i>Maria Roberts Maria Roberts</i>			Date	Time	SwRI Project#: <i>20.06002.01.242</i>		
Temp: <i>22.00c</i> Therm #: <i>027</i>				Received by (Print/Signature)			Date	Time	Received by SwRI Lab: (Signature) 		
Comments: <i>Radioactive - Np 237 8.5 x 10^-7 M or 1.4 x 10^-4 uCi/mL SM 800/41</i>				Relinquished by (Print/Signature)			Date	Time	Date: <i>6/29/06</i> Time: <i>1045</i> Samples Disposed: Date: Time:		
Received by (Print/Signature)				Received by (Print/Signature)			Date	Time	Date: <i>6/29/06</i> Time: <i>1045</i> Samples Disposed by:		

SWRI # 29410 010081

24115

Shipper Name/Address Bradley Werling Bldg 57		SAMPLE LIST/CHAIN OF CUSTODY Southwest Research Institute® Chemistry and Chemical Engineering Division 6220 Culebra Road San Antonio, Texas 78238-5166					Requested Turnaround: <input checked="" type="checkbox"/> 2 Weeks <input type="checkbox"/> 3 Weeks <input type="checkbox"/> Other:	
Client Div 20							Client Purchase Order/Other ID	
Analyses Requested								REMARKS Preservation a = HCl to pH <2 b = HNO ₃ to pH <2 c = H ₂ SO ₄ to pH <2 d = NaOH to pH >12 e = Cool (4°C±2°C) f = Other (specify) <u>none</u>
Sample ID	Sample Collection Date (mm/dd/yy)	Sample Collection Time	Matrix Type	Sample Type	# of Containers	Anions by IC		
22CW-7A	6/28/06		W		1	✓		
22CW-8A						✓		
22CW-9A						✓		
22CW-10A						✓		
22CW-11A						✓		
22CW-12A						✓		
22C-1A						✓		
22C-2A						✓		
22C-3A						✓		
22C-4A						✓		
Matrix Types: A - Air B - Biota D - Dust E - Emission/Stack L - Liquid P - Product Sd - Solid S - Soil SED - Sediment T - Tissue W - Water WP - Wipe		Sample Types: D - Duplicate ER - Equipment Rinsate ES - Environmental Sample FB - Field Blank FD - Field Duplicate MS - Matrix Spike MSD - Matrix Spike Dup TB - Trip Blank		Relinquished by (Print/Signature) <i>Maria Roberts</i>		Date 6/29/06	Time 1045	SwRI Project#: 20.06002.01.242
Temp: 22.00C		Therm #: 022		Received by (Print/Signature)		Date	Time	Received by SwRI Lab: (Signature) <i>[Signature]</i>
Comments: Radioactive - Np 237 8.5 x 10 ⁻⁷ M or 1.4 x 10 ⁻⁴ µCi/ml SN 800/41				Relinquished by (Print/Signature)		Date	Time	Date 6/29/06
				Received by (Print/Signature)		Date	Time	Time 1045
				Relinquished by (Print/Signature)		Date	Time	Samples Disposed: Date
				Received by (Print/Signature)		Date	Time	Time
				Relinquished by (Print/Signature)		Date	Time	Samples Disposed by:

SAR # 2040010082

24115

Shipper Name/Address Bradley Werling Bldg 20		SAMPLE LIST/CHAIN OF CUSTODY Southwest Research Institute® Chemistry and Chemical Engineering Division 6220 Culebra Road San Antonio, Texas 78238-5166										Requested Turnaround: <input checked="" type="checkbox"/> 2 Weeks <input type="checkbox"/> 3 Weeks <input type="checkbox"/> Other:		
Client Div 20		Client Purchase Order/Other ID					Site/Zone ID					SwRI Contact Mike Dammann		
Analyses Requested												REMARKS		
Sample ID	Sample Collection Date (mm/dd/yy)	Sample Collection Time	Matrix Type	Sample Type	# of Containers	Annotations							Preservation a = HCl to pH <2 b = HNO ₃ to pH <2 c = H ₂ SO ₄ to pH <2 d = NaOH to pH >12 e = Cool (4°C±2°C) f = Other (specify) none	
1922-5A	6/28/06		W		1	Arrived by IC							Nuclear Safety related - use appropriate QA procedures	
													POC - Bradley Werling, x65605 fax 5184	
Matrix Types: A - Air B - Biota D - Dust E - Emission/Stack L - Liquid P - Product Sd - Solid S - Soil SED - Sediment T - Tissue W - Water WP - Wipe		Sample Types: D - Duplicate ER - Equipment Rinsate ES - Environmental Sample FB - Field Blank FD - Field Duplicate MS - Matrix Spike MSD - Matrix Spike Dup TB - Trip Blank		Relinquished by (Print/Signature)			Date	Time	SwRI Project#:					
Temp: 22.0°C		Therm #: 027		Marla Roberts			6/29/06	10:15	20.06002.01.242					
Comments: Radioactive - Np 237 at 8.5 x 10⁻⁷ M or 1.4 x 10⁻⁴ uCi/mL SN 800/41				Received by (Print/Signature)			Date	Time	Received by SwRI Lab: (Signature)					
				Relinquished by (Print/Signature)			Date	Time	Date					
									6/29/06 10:15					
				Received by (Print/Signature)			Date	Time	Samples Disposed: Date					
									Time					
				Relinquished by (Print/Signature)			Date	Time	Samples Disposed by:					

SR # 24115 010084

SAMPLE LOG-IN SHEET

010085

Lab Name
Southwest Research Institute

Page 1 of 3

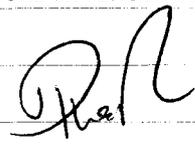
Received By (Print Name)

Log-in Date

DINO ROMAN

06/29/2006

Received By (Signature)



Case Number
B. Werling

Sample Delivery Group No.

SAS Number

Remarks: 06002.01.242

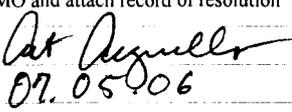
Corresponding

Remarks:
Condition of Sample
Shipment, etc

			Corresponding			
			EPA Sample #	Sample Tag #	Assigned Lab #	
1. Custody Seal(s)	Present Absent* Intact/ Broken		1922-1A	None	282067	Intact
			1922-4A	None	282068	Intact
2. Custody Seal Nos.	<i>n/a</i>		1922-5A	None	282069	Intact
3. Chain-of Custody Records	Present Absent*		19C-10A	None	282070	Intact
4. Traffic Reports or Packing Lists	Present Absent		19C-11A	None	282071	Intact
5. Airbill	Airbill/Sticker Present Absent*		19C-12A	None	282072	Intact
			19C-1A	None	282073	Intact
6. Airbill No.	HAND DELIVERED		19C-2A	None	282074	Intact
			19C-3A	None	282075	Intact
7. Sample Tags	Present Absent		19C-4A	None	282076	Intact
Sample Tag Numbers	Listed Not listed on Chain of Custody		19C-5A	None	282077	Intact
			19C-6A	None	282078	Intact
8. Sample Condition	Intact /Broken*/ Leaking		19C-7A	None	282079	Intact
9. Cooler Temperature	22.0C		19C-8A	None	282080	Intact
10. Does Information on custody records, traffic reports, and sample tags agree?	Yes No*		19C-9A	None	282081	Intact
			19CW-10A	None	282082	Intact
11. Date Received at Lab	06/29/2006		19CW-11A	None	282083	Intact
			19CW-12A	None	282084	Intact
			19CW-1A	None	282085	Intact
Fraction	<i>RAD</i>	Fraction	19CW-2A	None	282086	Intact
Area #	<i>R12</i>	Area #	19CW-3A	None	282087	Intact
By	DINO ROMAN	By	19CW-4A	None	282088	Intact
On	06/29/2006	On	19CW-5A	None	282089	Intact

* Contact SMO and attach record of resolution

Reviewed By



Logbook No.

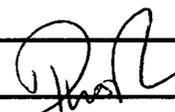
Sample Receipt (29410)

Date

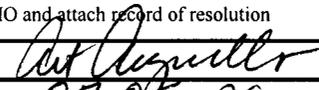
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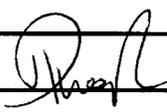
Logbook Page No.

5848 SECTION 6, 7, 0P10

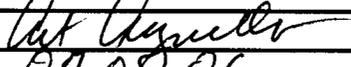
Lab Name Southwest Research Institute			Page 2 of 3	
Received By (Print Name) DINO ROMAN			Log-in Date 06/29/2006	
Received By (Signature) 				
Case Number B. Werling		Sample Delivery Group No.		SAS Number N/A
Remarks: 06002.01.242				Remarks: Condition of Sample Shipment, etc
		EPA Sample #	Sample Tag #	Assigned Lab #
1. Custody Seal(s)	Present Absent Intact/Broken	19CW-6A	None	282090
2. Custody Seal Nos.	N/A	19CW-7A	None	282091
		19CW-8A	None	282092
3. Chain-of Custody Records	Present Absent*	19CW-9A	None	282093
4. Traffic Reports or Packing Lists	Present Absent	22C-10A	None	282094
5. Airbill	Airbill/Sticker Present Absent*	22C-11A	None	282095
6. Airbill No.	HAND DELIVERED	22C-12A	None	282096
		22C-1A	None	282097
7. Sample Tags	Present Absent	22C-2A	None	282098
Sample Tag Numbers	Listed Not listed on Chain of Custody	22C-3A	None	282099
		22C-4A	None	282100
8. Sample Condition	Intact /Broken*/ Leaking	22C-5A	None	282101
9. Cooler Temperature	22.0C	22C-6A	None	282102
10. Does Information on custody records, traffic reports, and sample tags agree?	Yes No*	22C-7A	None	282103
		22C-8A	None	282104
11. Date Received at Lab	06/29/2006	22C-9A	None	282105
12. Time Received	10:45:00	22CW-10A	None	282106
		22CW-11A	None	282107
Sample Transfer		22CW-12A	None	282108
Fraction RAD	Fraction	22CW-1A	None	282109
Area # R12	Area #	22CW-2A	None	282110
By DINO ROMAN	By	22CW-3A	None	282111
On 06/29/2006	On	22CW-4A	None	282112

* Contact SMO and attach record of resolution

Reviewed By 	Logbook No. Sample Receipt (29410)
Date 07.05.06	Logbook Page No. 5848 SECTION 6, 7 OF 10

Lab Name Southwest Research Institute			Page 3 of 3		
Received By (Print Name) DINO ROMAN			Log-in Date 06/29/2006		
Received By (Signature) 					
Case Number B. Werling		Sample Delivery Group No.		SAS Number N/A	
Remarks: 06002.01.242					
		EPA Sample #	Corresponding		Remarks: Condition of Sample Shipment, etc
			Sample Tag #	Assigned Lab #	
1.	Custody Seal(s) Present Absent Intact/Broken	22CW-5A	None	282113	Intact
2.	Custody Seal Nos. N/A	22CW-6A	None	282114	Intact
		22CW-7A	None	282115	Intact
3.	Chain-of Custody Records Present / Absent*	22CW-8A	None	282116	Intact
4.	Traffic Reports or Packing Lists Present Absent	22CW-9A	None	282117	Intact
5.	Airbill Present / Sticker Present / Absent*				
6.	Airbill No. HAND DELIVERED				
7.	Sample Tags Present Absent				
	Sample Tag Numbers Listed Not listed on Chain of Custody				
8.	Sample Condition Intact / Broken* / Leaking				
9.	Cooler Temperature 22.0C				
10.	Does Information on custody records, traffic reports, and sample tags agree? Yes / No*				
11.	Date Received at Lab 06/29/2006				
12.	Time Received 10:45:00				
Sample Transfer					
Fraction RAD	Fraction				
Area # R12	Area #				
By DINO ROMAN	By				
On 06/29/2006	On				

* Contact SMO and attach record of resolution

Reviewed By 	Logbook No. Sample Receipt (29410)
Date 07.08.06	Logbook Page No. 5848 section 6, 7, of 10

**SOUTHWEST RESEARCH INSTITUTE
NUCLEAR PROJECT
CLIENT: Division 20
TASK ORDER: 060629-11, 060630-1, 060630-2
SRR: 29410
SDG: 282067, 282087, 282107
CASE: B. Werling
VTSR: June 29, 2006
PROJECT#: 06002.01.242**

Copies of Login Book

Sample Login Book

Jun 29, 2006

SwRI Login Area
Division 1

Sample Receipt: 29409		Project: 12314.01.002	Client: Parsons
VTSR Date: Jun 29, 2006		VTSR Time: 08:30:00	Manager: SCHATTENBERG, HERB
System ID	Customer Sample ID	Matrix	
282066	T2-R4-T	Air	

Sample Receipt: 29410		Project: 06002.01.242	Client: Div. 20
VTSR Date: Jun 29, 2006		VTSR Time: 10:45:00	Manager: DAMMANN, MIKE
System ID	Customer Sample ID	Matrix	
282067	1922-1A	Water	
282068	1922-4A	Water	
282069	1922-5A	Water	
282070	19C-10A	Water	
282071	19C-11A	Water	
282072	19C-12A	Water	
282073	19C-1A	Water	
282074	19C-2A	Water	
282075	19C-3A	Water	
282076	19C-4A	Water	
282077	19C-5A	Water	
282078	19C-6A	Water	
282079	19C-7A	Water	
282080	19C-8A	Water	
282081	19C-9A	Water	
282082	19CW-10A	Water	
282083	19CW-11A	Water	
282084	19CW-12A	Water	
282085	19CW-1A	Water	
282086	19CW-2A	Water	
282087	19CW-3A	Water	
282088	19CW-4A	Water	
282089	19CW-5A	Water	
282090	19CW-6A	Water	
282091	19CW-7A	Water	
282092	19CW-8A	Water	

Sample Login Book

Jun 29, 2006

SwRI Login Area
Division 1

Sample Receipt: 29410		Project: 06002.01.242	Client: Div. 20
VTSR Date: Jun 29, 2006		VTSR Time: 10:45:00	Manager: DAMMANN, MIKE
System ID	Customer Sample ID	Matrix	
282093	19CW-9A	Water	
282094	22C-10A	Water	
282095	22C-11A	Water	
282096	22C-12A	Water	
282097	22C-1A	Water	
282098	22C-2A	Water	
282099	22C-3A	Water	
282100	22C-4A	Water	
282101	22C-5A	Water	
282102	22C-6A	Water	
282103	22C-7A	Water	
282104	22C-8A	Water	
282105	22C-9A	Water	
282106	22CW-10A	Water	
282107	22CW-11A	Water	
282108	22CW-12A	Water	
282109	22CW-1A	Water	
282110	22CW-2A	Water	
282111	22CW-3A	Water	
282112	22CW-4A	Water	
282113	22CW-5A	Water	
282114	22CW-6A	Water	
282115	22CW-7A	Water	
282116	22CW-8A	Water	
282117	22CW-9A	Water	

Sample Receipt: 29411		Project: 06002.01.242	Client: Div. 20
VTSR Date: Jun 29, 2006		VTSR Time: 10:45:00	Manager: DAMMANN, MIKE
System ID	Customer Sample ID	Matrix	
282118	1922-1C	Water	
282119	1922-2C	Water	

010091

SOUTHWEST RESEARCH INSTITUTE

NUCLEAR PROJECT

CLIENT: Division 20

TASK ORDER: 060629-11, 060630-1, 060630-2

SRR: 29410

SDG: 282067, 282087, 282107

CASE: B. Werling

VTSR: June 29, 2006

PROJECT#: 06002.01.242

RAW DATA

TITLE Anions Calibration
380/9058

PROJECT NO. 010092
BOOK NO. 151

Work continued from Page

151-01-105 20ppm

5	Anions	Std Vol, mL	Std Conc, mg/L	Lnorg#	Exp Date
	Fluoride	0.2	1000 mg/L	5668	2/28/07
	Chloride	0.2	↓	5579	1/5/2007
	Nitrite N	0.2		5719	4/15/07
10	Bromide	0.2		5275	6/30/06
	Nitrate N	0.2		5580	11/5/07
	Phosphate P	0.613		326 mg/L	5641
	Sulfate	0.2	1000 mg/L	5305	7/30/06

Diluted to a F.U. of 10 mL DI H₂O.

15 151-02-105 15ppm
3mL 151-01-105 + 1mL DI H₂O.

151-03-105 10ppm Anions
2mL 151-01-105 + 2mL DI H₂O.

20 151-04-105 5ppm Anions
2mL 151-03-105 + 2mL DI H₂O.

25 151-05-105 1ppm Anions
1mL 151-04-105 + 4mL DI H₂O.

151-06-105 0.5ppm Anions
2mL 151-05-105 + 2mL DI H₂O

30 7 RSS 15106
151-07-105 0.1ppm Anions
1mL 151-06-105 + 4mL DI H₂O.

35 151-08-105 0 ppm
DI H₂O.

SIGNATURE [Signature]

DATE 4/5/06

DISCLOSED TO AND UNDERSTOOD BY
Wade A. Nozeli

DATE

WITNESS

DATE 4/13/06

DIV 20
06002.01.242

TO# 060629-11, 060630-1, 060630-2

Wooden A. Nagel

07/13/06

Analyst: RSS
Method: 300
Sig Fig: 3

RSS

010093

Date Analyzed

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282067	Fluoride	1.381	1.38		0.1		
07/10/06	282067	Chloride	6.259	6.26		0.1		
07/10/06	282067	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282067	Bromide	0.000	0.1	U	0.1		
07/10/06	282067	Nitrate-N	0.631	0.631		0.1		
07/10/06	282067	Phosphate-P	0.000	0.1	U	0.1		
07/12/06	282067	Sulfate	27.431	27.4		1		
07/10/06	282067D	Fluoride	1.389	1.39		0.1		0.722%
07/10/06	282067D	Chloride	6.288	6.29		0.1		0.478%
07/10/06	282067D	Nitrite-N	0.000	0.1	U	0.1		0.00%
07/10/06	282067D	Bromide	0.000	0.1	U	0.1		0.00%
07/10/06	282067D	Nitrate-N	0.645	0.645		0.1		2.19%
07/10/06	282067D	Phosphate-P	0.000	0.1	U	0.1		0.00%
07/12/06	282067D	Sulfate	28.633	28.6		1		4.29%
07/10/06	282067S	Fluoride	2.391	2.39		0.1	1	101%
07/10/06	282067S	Chloride	8.786	8.79		0.1	2	126%
07/10/06	282067S	Nitrite-N	1.186	1.19		0.1	1.09	109%
07/10/06	282067S	Bromide	4.445	4.45		0.1	4	111%
07/10/06	282067S	Nitrate-N	1.545	1.55		0.1	0.904	102%
07/10/06	282067S	Phosphate-P	1.897	1.90		0.1	1.96	96.9%
07/12/06	282067S	Sulfate	66.799	66.8		1	40	98.5%
07/10/06	282068	Fluoride	1.908	1.91		0.1		
07/10/06	282068	Chloride	4.012	4.01		0.1		
07/10/06	282068	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282068	Bromide	8.055	8.06		0.1		
07/10/06	282068	Nitrate-N	1.706	1.71		0.1		
07/10/06	282068	Phosphate-P	3.893	3.89		0.1		
07/10/06	282068	Sulfate	8.129	8.13		0.1		
07/10/06	282069	Fluoride	1.899	1.90		0.1		
07/10/06	282069	Chloride	4.074	4.07		0.1		
07/10/06	282069	Nitrite-N	0.082	0.1	U	0.1		
07/10/06	282069	Bromide	8.096	8.10		0.1		
07/10/06	282069	Nitrate-N	1.717	1.72		0.1		
07/10/06	282069	Phosphate-P	3.909	3.91		0.1		
07/10/06	282069	Sulfate	8.175	8.18		0.1		
07/10/06	282070	Fluoride	0.359	0.359		0.1		
07/10/06	282070	Chloride	2.240	2.24		0.1		
07/10/06	282070	Nitrite-N	0.081	0.1	U	0.1		
07/10/06	282070	Bromide	0.000	0.1	U	0.1		
07/10/06	282070	Nitrate-N	5.305	5.31		0.1		
07/10/06	282070	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	282070	Sulfate	7.158	7.16		0.1		
07/10/06	282071	Fluoride	0.354	0.354		0.1		
07/10/06	282071	Chloride	2.486	2.49		0.1		
07/10/06	282071	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282071	Bromide	0.000	0.1	U	0.1		
07/10/06	282071	Nitrate-N	1.001	1.00		0.1		
07/10/06	282071	Phosphate-P	0.056	0.1	U	0.1		
07/10/06	282071	Sulfate	7.254	7.25		0.1		
07/10/06	282072	Fluoride	0.359	0.359		0.1		
07/10/06	282072	Chloride	2.093	2.09		0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010094

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282072	Nitrite-N	0.081	0.1	U	0.1		
07/10/06	282072	Bromide	0.000	0.1	U	0.1		
07/10/06	282072	Nitrate-N	0.546	0.546		0.1		
07/10/06	282072	Phosphate-P	0.055	0.1	U	0.1		
07/10/06	282072	Sulfate	7.115	7.12		0.1		
07/10/06	282073	Fluoride	0.358	0.358		0.1		
07/10/06	282073	Chloride	2.266	2.27		0.1		
07/10/06	282073	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282073	Bromide	0.000	0.1	U	0.1		
07/10/06	282073	Nitrate-N	11.009	11.0		0.1		
07/10/06	282073	Phosphate-P	0.054	0.1	U	0.1		
07/10/06	282073	Sulfate	7.406	7.41		0.1		
07/10/06	282074	Fluoride	0.366	0.366		0.1		
07/10/06	282074	Chloride	2.395	2.40		0.1		
07/10/06	282074	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282074	Bromide	0.000	0.1	U	0.1		
07/10/06	282074	Nitrate-N	10.679	10.7		0.1		
07/10/06	282074	Phosphate-P	0.068	0.1	U	0.1		
07/10/06	282074	Sulfate	7.242	7.24		0.1		
07/10/06	282075	Fluoride	0.357	0.357		0.1		
07/10/06	282075	Chloride	2.069	2.07		0.1		
07/10/06	282075	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282075	Bromide	0.000	0.1	U	0.1		
07/10/06	282075	Nitrate-N	10.144	10.1		0.1		
07/10/06	282075	Phosphate-P	0.079	0.1	U	0.1		
07/10/06	282075	Sulfate	7.134	7.13		0.1		
07/10/06	282076	Fluoride	0.370	0.370		0.1		
07/10/06	282076	Chloride	2.339	2.34		0.1		
07/10/06	282076	Nitrite-N	0.080	0.1	U	0.1		
07/10/06	282076	Bromide	0.000	0.1	U	0.1		
07/10/06	282076	Nitrate-N	10.146	10.1		0.1		
07/10/06	282076	Phosphate-P	0.070	0.1	U	0.1		
07/10/06	282076	Sulfate	7.376	7.38		0.1		
07/10/06	282077	Fluoride	0.364	0.364		0.1		
07/10/06	282077	Chloride	2.269	2.27		0.1		
07/10/06	282077	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282077	Bromide	0.000	0.1	U	0.1		
07/10/06	282077	Nitrate-N	9.676	9.68		0.1		
07/10/06	282077	Phosphate-P	0.056	0.1	U	0.1		
07/10/06	282077	Sulfate	7.156	7.16		0.1		
07/10/06	282078	Fluoride	0.358	0.358		0.1		
07/10/06	282078	Chloride	2.213	2.21		0.1		
07/10/06	282078	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282078	Bromide	0.000	0.1	U	0.1		
07/10/06	282078	Nitrate-N	9.241	9.24		0.1		
07/10/06	282078	Phosphate-P	0.063	0.1	U	0.1		
07/10/06	282078	Sulfate	6.978	6.98		0.1		
07/10/06	282079	Fluoride	0.361	0.361		0.1		
07/10/06	282079	Chloride	2.114	2.11		0.1		
07/10/06	282079	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282079	Bromide	0.000	0.1	U	0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010095

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282079	Nitrate-N	9.086	9.09		0.1		
07/10/06	282079	Phosphate-P	0.060	0.1	U	0.1		
07/10/06	282079	Sulfate	7.095	7.10		0.1		
07/10/06	282080	Fluoride	0.362	0.362		0.1		
07/10/06	282080	Chloride	2.172	2.17		0.1		
07/10/06	282080	Nitrite-N	0.080	0.1	U	0.1		
07/10/06	282080	Bromide	0.000	0.1	U	0.1		
07/10/06	282080	Nitrate-N	8.099	8.10		0.1		
07/10/06	282080	Phosphate-P	0.048	0.1	U	0.1		
07/10/06	282080	Sulfate	7.084	7.08		0.1		
07/10/06	282081	Fluoride	0.362	0.362		0.1		
07/10/06	282081	Chloride	2.464	2.46		0.1		
07/10/06	282081	Nitrite-N	0.086	0.1	U	0.1		
07/10/06	282081	Bromide	0.000	0.1	U	0.1		
07/10/06	282081	Nitrate-N	7.154	7.15		0.1		
07/10/06	282081	Phosphate-P	0.059	0.1	U	0.1		
07/10/06	282081	Sulfate	7.118	7.12		0.1		
07/10/06	282082	Fluoride	0.361	0.361		0.1		
07/10/06	282082	Chloride	2.110	2.11		0.1		
07/10/06	282082	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282082	Bromide	0.000	0.1	U	0.1		
07/10/06	282082	Nitrate-N	5.544	5.54		0.1		
07/10/06	282082	Phosphate-P	0.065	0.1	U	0.1		
07/10/06	282082	Sulfate	7.083	7.08		0.1		
07/10/06	282083	Fluoride	0.354	0.354		0.1		
07/10/06	282083	Chloride	1.981	1.98		0.1		
07/10/06	282083	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282083	Bromide	0.000	0.1	U	0.1		
07/10/06	282083	Nitrate-N	1.103	1.10		0.1		
07/10/06	282083	Phosphate-P	0.045	0.1	U	0.1		
07/10/06	282083	Sulfate	7.232	7.23		0.1		
07/10/06	282084	Fluoride	0.350	0.350		0.1		
07/10/06	282084	Chloride	2.341	2.34		0.1		
07/10/06	282084	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282084	Bromide	0.000	0.1	U	0.1		
07/10/06	282084	Nitrate-N	0.656	0.656		0.1		
07/10/06	282084	Phosphate-P	0.053	0.1	U	0.1		
07/10/06	282084	Sulfate	7.142	7.14		0.1		
07/10/06	282085	Fluoride	0.362	0.362		0.1		
07/10/06	282085	Chloride	2.519	2.52		0.1		
07/10/06	282085	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282085	Bromide	0.000	0.1	U	0.1		
07/10/06	282085	Nitrate-N	10.584	10.6		0.1		
07/10/06	282085	Phosphate-P	0.163	0.163		0.1		
07/10/06	282085	Sulfate	7.049	7.05		0.1		
07/10/06	282086	Fluoride	0.331	0.331		0.1		
07/10/06	282086	Chloride	2.293	2.29		0.1		
07/10/06	282086	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282086	Bromide	0.000	0.1	U	0.1		
07/10/06	282086	Nitrate-N	9.894	9.89		0.1		
07/10/06	282086	Phosphate-P	0.081	0.1	U	0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010096

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282086	Sulfate	6.726	6.73		0.1		
07/10/06	282087	Fluoride	0.344	0.344		0.1		
07/10/06	282087	Chloride	2.108	2.11		0.1		
07/10/06	282087	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282087	Bromide	0.000	0.1	U	0.1		
07/10/06	282087	Nitrate-N	10.453	10.5		0.1		
07/10/06	282087	Phosphate-P	0.072	0.1	U	0.1		
07/10/06	282087	Sulfate	7.174	7.17		0.1		
07/10/06	282087D	Fluoride	0.340	0.340		0.1		1.17%
07/10/06	282087D	Chloride	2.127	2.13		0.1		0.943%
07/10/06	282087D	Nitrite-N	0.000	0.1	U	0.1		0.00%
07/10/06	282087D	Bromide	0.000	0.1	U	0.1		0.00%
07/10/06	282087D	Nitrate-N	10.471	10.5		0.1		0.00%
07/10/06	282087D	Phosphate-P	0.131	0.131		0.1		200%
07/10/06	282087D	Sulfate	7.115	7.12		0.1		0.700%
07/10/06	282087S	Fluoride	1.228	1.23		0.1	1	88.6%
07/10/06	282087S	Chloride	4.337	4.34		0.1	2	112%
07/10/06	282087S	Nitrite-N	1.121	1.12		0.1	1.09	103%
07/10/06	282087S	Bromide	4.536	4.54		0.1	4	114%
07/10/06	282087S	Nitrate-N	11.166	11.2		0.1	0.904	77.4%
07/10/06	282087S	Phosphate-P	2.247	2.25		0.1	1.96	115%
07/10/06	282087S	Sulfate	11.395	11.4		0.1	4	106%
07/10/06	282088	Fluoride	0.326	0.326		0.1		
07/10/06	282088	Chloride	2.091	2.09		0.1		
07/10/06	282088	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282088	Bromide	0.000	0.1	U	0.1		
07/10/06	282088	Nitrate-N	10.058	10.1		0.1		
07/10/06	282088	Phosphate-P	0.162	0.162		0.1		
07/10/06	282088	Sulfate	7.064	7.06		0.1		
07/10/06	282089	Fluoride	0.352	0.352		0.1		
07/10/06	282089	Chloride	2.698	2.70		0.1		
07/10/06	282089	Nitrite-N	0.093	0.1	U	0.1		
07/10/06	282089	Bromide	0.000	0.1	U	0.1		
07/10/06	282089	Nitrate-N	9.560	9.56		0.1		
07/10/06	282089	Phosphate-P	0.051	0.1	U	0.1		
07/10/06	282089	Sulfate	7.153	7.15		0.1		
07/10/06	282090	Fluoride	0.347	0.347		0.1		
07/10/06	282090	Chloride	2.090	2.09		0.1		
07/10/06	282090	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282090	Bromide	0.000	0.1	U	0.1		
07/10/06	282090	Nitrate-N	9.571	9.57		0.1		
07/10/06	282090	Phosphate-P	0.061	0.1	U	0.1		
07/10/06	282090	Sulfate	7.163	7.16		0.1		
07/10/06	282091	Fluoride	0.350	0.350		0.1		
07/10/06	282091	Chloride	2.153	2.15		0.1		
07/10/06	282091	Nitrite-N	0.081	0.1	U	0.1		
07/10/06	282091	Bromide	0.000	0.1	U	0.1		
07/10/06	282091	Nitrate-N	9.331	9.33		0.1		
07/10/06	282091	Phosphate-P	0.058	0.1	U	0.1		
07/10/06	282091	Sulfate	7.204	7.20		0.1		
07/10/06	282092	Fluoride	0.361	0.361		0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010097

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282092	Chloride	2.036	2.04		0.1		
07/10/06	282092	Nitrite-N	0.083	0.1	U	0.1		
07/10/06	282092	Bromide	0.000	0.1	U	0.1		
07/10/06	282092	Nitrate-N	8.214	8.21		0.1		
07/10/06	282092	Phosphate-P	0.062	0.1	U	0.1		
07/10/06	282092	Sulfate	7.130	7.13		0.1		
07/10/06	282093	Fluoride	0.363	0.363		0.1		
07/10/06	282093	Chloride	2.204	2.20		0.1		
07/10/06	282093	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282093	Bromide	0.000	0.1	U	0.1		
07/10/06	282093	Nitrate-N	7.282	7.28		0.1		
07/10/06	282093	Phosphate-P	0.070	0.1	U	0.1		
07/10/06	282093	Sulfate	7.155	7.16		0.1		
07/10/06	282094	Fluoride	0.364	0.364		0.1		
07/10/06	282094	Chloride	2.013	2.01		0.1		
07/10/06	282094	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282094	Bromide	0.000	0.1	U	0.1		
07/10/06	282094	Nitrate-N	5.511	5.51		0.1		
07/10/06	282094	Phosphate-P	0.043	0.1	U	0.1		
07/10/06	282094	Sulfate	7.109	7.11		0.1		
07/10/06	282095	Fluoride	0.360	0.360		0.1		
07/10/06	282095	Chloride	2.326	2.33		0.1		
07/10/06	282095	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282095	Bromide	0.000	0.1	U	0.1		
07/10/06	282095	Nitrate-N	1.018	1.02		0.1		
07/10/06	282095	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	282095	Sulfate	7.288	7.29		0.1		
07/10/06	282096	Fluoride	0.291	0.291		0.1		
07/10/06	282096	Chloride	2.449	2.45		0.1		
07/10/06	282096	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282096	Bromide	0.000	0.1	U	0.1		
07/10/06	282096	Nitrate-N	0.661	0.661		0.1		
07/10/06	282096	Phosphate-P	0.050	0.1	U	0.1		
07/10/06	282096	Sulfate	6.844	6.84		0.1		
07/10/06	282097	Fluoride	0.378	0.378		0.1		
07/10/06	282097	Chloride	2.462	2.46		0.1		
07/10/06	282097	Nitrite-N	0.085	0.1	U	0.1		
07/10/06	282097	Bromide	0.000	0.1	U	0.1		
07/10/06	282097	Nitrate-N	9.245	9.25		0.1		
07/10/06	282097	Phosphate-P	0.066	0.1	U	0.1		
07/10/06	282097	Sulfate	7.014	7.01		0.1		
07/10/06	282098	Fluoride	0.370	0.370		0.1		
07/10/06	282098	Chloride	2.046	2.05		0.1		
07/10/06	282098	Nitrite-N	0.081	0.1	U	0.1		
07/10/06	282098	Bromide	0.000	0.1	U	0.1		
07/10/06	282098	Nitrate-N	8.916	8.92		0.1		
07/10/06	282098	Phosphate-P	0.056	0.1	U	0.1		
07/10/06	282098	Sulfate	7.106	7.11		0.1		
07/10/06	282099	Fluoride	0.374	0.374		0.1		
07/10/06	282099	Chloride	2.226	2.23		0.1		
07/10/06	282099	Nitrite-N	0.081	0.1	U	0.1		

U = Undetected

DIV 20
06002.01.242
TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
Method: 300
Sig Fig: 3

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282099	Bromide	0.000	0.1	U	0.1		
07/10/06	282099	Nitrate-N	8.496	8.50		0.1		
07/10/06	282099	Phosphate-P	0.054	0.1	U	0.1		
07/10/06	282099	Sulfate	7.073	7.07		0.1		
07/10/06	282100	Fluoride	0.373	0.373		0.1		
07/10/06	282100	Chloride	1.944	1.94		0.1		
07/10/06	282100	Nitrite-N	0.083	0.1	U	0.1		
07/10/06	282100	Bromide	0.000	0.1	U	0.1		
07/10/06	282100	Nitrate-N	8.405	8.41		0.1		
07/10/06	282100	Phosphate-P	0.065	0.1	U	0.1		
07/10/06	282100	Sulfate	7.101	7.10		0.1		
07/10/06	282101	Fluoride	0.372	0.372		0.1		
07/10/06	282101	Chloride	1.957	1.96		0.1		
07/10/06	282101	Nitrite-N	0.082	0.1	U	0.1		
07/10/06	282101	Bromide	0.000	0.1	U	0.1		
07/10/06	282101	Nitrate-N	8.196	8.20		0.1		
07/10/06	282101	Phosphate-P	0.072	0.1	U	0.1		
07/10/06	282101	Sulfate	7.205	7.21		0.1		
07/10/06	282102	Fluoride	0.367	0.367		0.1		
07/10/06	282102	Chloride	2.019	2.02		0.1		
07/10/06	282102	Nitrite-N	0.080	0.1	U	0.1		
07/10/06	282102	Bromide	0.000	0.1	U	0.1		
07/10/06	282102	Nitrate-N	7.845	7.85		0.1		
07/10/06	282102	Phosphate-P	0.071	0.1	U	0.1		
07/10/06	282102	Sulfate	7.009	7.01		0.1		
07/10/06	282103	Fluoride	0.363	0.363		0.1		
07/10/06	282103	Chloride	2.055	2.06		0.1		
07/10/06	282103	Nitrite-N	0.083	0.1	U	0.1		
07/10/06	282103	Bromide	0.000	0.1	U	0.1		
07/10/06	282103	Nitrate-N	7.602	7.60		0.1		
07/10/06	282103	Phosphate-P	0.064	0.1	U	0.1		
07/10/06	282103	Sulfate	7.041	7.04		0.1		
07/10/06	282104	Fluoride	0.357	0.357		0.1		
07/10/06	282104	Chloride	2.368	2.37		0.1		
07/10/06	282104	Nitrite-N	0.133	0.133		0.1		
07/10/06	282104	Bromide	0.000	0.1	U	0.1		
07/10/06	282104	Nitrate-N	6.176	6.18		0.1		
07/10/06	282104	Phosphate-P	0.045	0.1	U	0.1		
07/10/06	282104	Sulfate	6.976	6.98		0.1		
07/10/06	282105	Fluoride	0.364	0.364		0.1		
07/10/06	282105	Chloride	2.356	2.36		0.1		
07/10/06	282105	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282105	Bromide	0.000	0.1	U	0.1		
07/10/06	282105	Nitrate-N	5.968	5.97		0.1		
07/10/06	282105	Phosphate-P	0.057	0.1	U	0.1		
07/10/06	282105	Sulfate	6.870	6.87		0.1		
07/10/06	282106	Fluoride	0.362	0.362		0.1		
07/10/06	282106	Chloride	1.965	1.97		0.1		
07/10/06	282106	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282106	Bromide	0.000	0.1	U	0.1		
07/10/06	282106	Nitrate-N	5.627	5.63		0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010099

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282106	Phosphate-P	0.063	0.1	U	0.1		
07/10/06	282106	Sulfate	7.069	7.07		0.1		
07/10/06	282107	Fluoride	0.353	0.353		0.1		
07/10/06	282107	Chloride	2.091	2.09		0.1		
07/10/06	282107	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282107	Bromide	0.000	0.1	U	0.1		
07/10/06	282107	Nitrate-N	1.130	1.13		0.1		
07/10/06	282107	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	282107	Sulfate	7.120	7.12		0.1		
07/10/06	282107D	Fluoride	0.353	0.353		0.1		0.00%
07/10/06	282107D	Chloride	2.116	2.12		0.1		1.43%
07/10/06	282107D	Nitrite-N	0.000	0.1	U	0.1		0.00%
07/10/06	282107D	Bromide	0.000	0.1	U	0.1		0.00%
07/10/06	282107D	Nitrate-N	1.135	1.14		0.1		0.881%
07/10/06	282107D	Phosphate-P	0.000	0.1	U	0.1		0.00%
07/10/06	282107D	Sulfate	7.185	7.19		0.1		0.978%
07/10/06	282107S	Fluoride	1.290	1.29		0.1	1	93.7%
07/10/06	282107S	Chloride	4.107	4.11		0.1	2	101%
07/10/06	282107S	Nitrite-N	1.080	1.08		0.1	1.09	99.1%
07/10/06	282107S	Bromide	4.062	4.06		0.1	4	102%
07/10/06	282107S	Nitrate-N	2.004	2.00		0.1	0.904	96.2%
07/10/06	282107S	Phosphate-P	1.944	1.94		0.1	1.96	99.0%
07/10/06	282107S	Sulfate	11.118	11.1		0.1	4	99.5%
07/10/06	282108	Fluoride	0.355	0.355		0.1		
07/10/06	282108	Chloride	2.526	2.53		0.1		
07/10/06	282108	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282108	Bromide	0.000	0.1	U	0.1		
07/10/06	282108	Nitrate-N	0.682	0.682		0.1		
07/10/06	282108	Phosphate-P	0.114	0.114		0.1		
07/10/06	282108	Sulfate	7.131	7.13		0.1		
07/10/06	282109	Fluoride	0.392	0.392		0.1		
07/10/06	282109	Chloride	2.478	2.48		0.1		
07/10/06	282109	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282109	Bromide	0.000	0.1	U	0.1		
07/10/06	282109	Nitrate-N	11.117	11.1		0.1		
07/10/06	282109	Phosphate-P	0.280	0.280		0.1		
07/10/06	282109	Sulfate	7.437	7.44		0.1		
07/10/06	282110	Fluoride	0.370	0.370		0.1		
07/10/06	282110	Chloride	2.016	2.02		0.1		
07/10/06	282110	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282110	Bromide	0.000	0.1	U	0.1		
07/10/06	282110	Nitrate-N	10.524	10.5		0.1		
07/10/06	282110	Phosphate-P	0.239	0.239		0.1		
07/10/06	282110	Sulfate	7.193	7.19		0.1		
07/10/06	282111	Fluoride	0.373	0.373		0.1		
07/10/06	282111	Chloride	2.285	2.29		0.1		
07/10/06	282111	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282111	Bromide	0.000	0.1	U	0.1		
07/10/06	282111	Nitrate-N	10.733	10.7		0.1		
07/10/06	282111	Phosphate-P	0.189	0.189		0.1		
07/10/06	282111	Sulfate	7.438	7.44		0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010100

Date Analyzed

	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	282112	Fluoride	0.364	0.364		0.1		
07/10/06	282112	Chloride	1.992	1.99		0.1		
07/10/06	282112	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282112	Bromide	0.000	0.1	U	0.1		
07/10/06	282112	Nitrate-N	10.299	10.3		0.1		
07/10/06	282112	Phosphate-P	0.151	0.151		0.1		
07/10/06	282112	Sulfate	7.301	7.30		0.1		
07/10/06	282113	Fluoride	0.363	0.363		0.1		
07/10/06	282113	Chloride	2.141	2.14		0.1		
07/10/06	282113	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282113	Bromide	0.000	0.1	U	0.1		
07/10/06	282113	Nitrate-N	10.343	10.3		0.1		
07/10/06	282113	Phosphate-P	0.191	0.191		0.1		
07/10/06	282113	Sulfate	7.537	7.54		0.1		
07/10/06	282114	Fluoride	0.350	0.350		0.1		
07/10/06	282114	Chloride	2.327	2.33		0.1		
07/10/06	282114	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282114	Bromide	0.000	0.1	U	0.1		
07/10/06	282114	Nitrate-N	9.558	9.56		0.1		
07/10/06	282114	Phosphate-P	0.160	0.160		0.1		
07/10/06	282114	Sulfate	7.217	7.22		0.1		
07/10/06	282115	Fluoride	0.360	0.360		0.1		
07/10/06	282115	Chloride	2.132	2.13		0.1		
07/10/06	282115	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282115	Bromide	0.000	0.1	U	0.1		
07/10/06	282115	Nitrate-N	9.282	9.28		0.1		
07/10/06	282115	Phosphate-P	0.087	0.1	U	0.1		
07/10/06	282115	Sulfate	7.076	7.08		0.1		
07/10/06	282116	Fluoride	0.371	0.371		0.1		
07/10/06	282116	Chloride	2.214	2.21		0.1		
07/10/06	282116	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282116	Bromide	0.000	0.1	U	0.1		
07/10/06	282116	Nitrate-N	8.321	8.32		0.1		
07/10/06	282116	Phosphate-P	0.117	0.117		0.1		
07/10/06	282116	Sulfate	7.202	7.20	U's 7/13/06	0.1		
07/10/06	282117	Fluoride	0.365	0.365		0.1		
07/10/06	282117	Chloride	2.050	2.05		0.1		
07/10/06	282117	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	282117	Bromide	0.000	0.1	U	0.1		
07/10/06	282117	Nitrate-N	7.729	7.73		0.1		
07/10/06	282117	Phosphate-P	0.074	0.1	U	0.1		
07/10/06	282117	Sulfate	7.118	7.12		0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010101

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	ICV	Fluoride	98.057	98.1		0.1	100	98.1%
07/10/06	ICV	Chloride	207.789	208		0.1	200	104%
07/10/06	ICV	Nitrite-N	106.076	106		0.1	109	97.2%
07/10/06	ICV	Bromide	405.932	406		0.1	400	102%
07/10/06	ICV	Nitrate-N	91.821	91.8		0.1	90.4	102%
07/10/06	ICV	Phosphate-P	196.163	196		0.1	196	100%
07/10/06	ICV	Sulfate	403.140	403		0.1	400	101%
07/10/06	ICB	Fluoride	0.000	0.1	U	0.1		
07/10/06	ICB	Chloride	0.040	0.1	U	0.1		
07/10/06	ICB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	ICB	Bromide	0.000	0.1	U	0.1		
07/10/06	ICB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	ICB	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	ICB	Sulfate	0.000	0.1	U	0.1		
07/10/06	CCV	Fluoride	99.365	99.4		0.1	100	99.4%
07/10/06	CCV	Chloride	209.013	209		0.1	200	105%
07/10/06	CCV	Nitrite-N	106.572	107		0.1	109	98.2%
07/10/06	CCV	Bromide	408.018	408		0.1	400	102%
07/10/06	CCV	Nitrate-N	92.299	92.3		0.1	90.4	102%
07/10/06	CCV	Phosphate-P	197.593	198		0.1	196	101%
07/10/06	CCV	Sulfate	402.253	402		0.1	400	101%
07/10/06	CCB	Fluoride	0.000	0.1	U	0.1		
07/10/06	CCB	Chloride	0.038	0.1	U	0.1		
07/10/06	CCB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	CCB	Bromide	0.000	0.1	U	0.1		
07/10/06	CCB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	CCB	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	CCB	Sulfate	0.000	0.1	U	0.1		
07/10/06	CCV	Fluoride	99.024	99.0		0.1	100	99.0%
07/10/06	CCV	Chloride	208.239	208		0.1	200	104%
07/10/06	CCV	Nitrite-N	108.157	108		0.1	109	99.1%
07/10/06	CCV	Bromide	405.569	406		0.1	400	102%
07/10/06	CCV	Nitrate-N	91.520	91.5		0.1	90.4	101%
07/10/06	CCV	Phosphate-P	197.620	198		0.1	196	101%
07/10/06	CCV	Sulfate	403.694	404		0.1	400	101%
07/10/06	CCB	Fluoride	0.000	0.1	U	0.1		
07/10/06	CCB	Chloride	0.098	0.1	U	0.1		
07/10/06	CCB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	CCB	Bromide	0.000	0.1	U	0.1		
07/10/06	CCB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	CCB	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	CCB	Sulfate	0.000	0.1	U	0.1		
07/10/06	CCV	Fluoride	100.311	100		0.1	100	100%
07/10/06	CCV	Chloride	210.591	211		0.1	200	106%
07/10/06	CCV	Nitrite-N	108.187	108		0.1	109	99.1%
07/10/06	CCV	Bromide	410.133	410		0.1	400	103%
07/10/06	CCV	Nitrate-N	92.725	92.7		0.1	90.4	103%
07/10/06	CCV	Phosphate-P	199.676	200		0.1	196	102%
07/10/06	CCV	Sulfate	405.659	406		0.1	400	102%
07/10/06	CCB	Fluoride	0.000	0.1	U	0.1		
07/10/06	CCB	Chloride	0.052	0.1	U	0.1		

U = Undetected

DIV 20
 06002.01.242
 TO# 060629-11, 060630-1, 060630-2

Analyst: RSS
 Method: 300
 Sig Fig: 3

010102

Date Analyzed	System ID	Analyte	Conc. mg/L	RESULT mg/L	Qual	DL	TV	%REC %RPD
07/10/06	CCB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	CCB	Bromide	0.000	0.1	U	0.1		
07/10/06	CCB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	CCB	Phosphate-P	0.056	0.1	U	0.1		
07/10/06	CCB	Sulfate	0.000	0.1	U	0.1		
07/10/06	CCV	Fluoride	101.081	101		0.1	100	101%
07/10/06	CCV	Chloride	212.009	212		0.1	200	106%
07/10/06	CCV	Nitrite-N	108.340	108		0.1	109	99.1%
07/10/06	CCV	Bromide	413.607	414		0.1	400	104%
07/10/06	CCV	Nitrate-N	93.632	93.6		0.1	90.4	104%
07/10/06	CCV	Phosphate-P	200.356	200		0.1	196	102%
07/10/06	CCV	Sulfate	407.454	407		0.1	400	102%
07/10/06	CCB	Fluoride	0.000	0.1	U	0.1		
07/10/06	CCB	Chloride	0.058	0.10	U	0.1		
07/10/06	CCB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	CCB	Bromide	0.000	0.1	U	0.1		
07/10/06	CCB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	CCB	Phosphate-P	0.000	0.1	U	0.1		
07/10/06	CCB	Sulfate	0.000	0.1	U	0.1		
07/10/06	CCV	Fluoride	100.254	100		0.1	100	100%
07/10/06	CCV	Chloride	216.417	216		0.1	200	108%
07/10/06	CCV	Nitrite-N	108.415	108		0.1	109	99.1%
07/10/06	CCV	Bromide	410.979	411		0.1	400	103%
07/10/06	CCV	Nitrate-N	93.256	93.3		0.1	90.4	103%
07/10/06	CCV	Phosphate-P	200.664	201		0.1	196	103%
07/10/06	CCV	Sulfate	406.278	406		0.1	400	102%
07/10/06	CCB	Fluoride	0.000	0.100	U	0.1		
07/10/06	CCB	Chloride	0.052	0.1	U	0.1		
07/10/06	CCB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	CCB	Bromide	0.000	0.1	U	0.1		
07/10/06	CCB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	CCB	Phosphate-P	0.049	0.1	U	0.1		
07/10/06	CCB	Sulfate	0.000	0.1	U	0.1		
07/10/06	CCV	Fluoride	99.548	99.5		0.1	100	99.5%
07/10/06	CCV	Chloride	209.671	210		0.1	200	105%
07/10/06	CCV	Nitrite-N	108.597	109		0.1	109	100%
07/10/06	CCV	Bromide	409.277	409		0.1	400	102%
07/10/06	CCV	Nitrate-N	92.547	92.5		0.1	90.4	102%
07/10/06	CCV	Phosphate-P	199.426	199		0.1	196	102%
07/10/06	CCV	Sulfate	403.640	404		0.1	400	101%
07/10/06	CCB	Fluoride	0.000	0.1	U	0.1		
07/10/06	CCB	Chloride	0.053	0.1	U	0.1		
07/10/06	CCB	Nitrite-N	0.000	0.1	U	0.1		
07/10/06	CCB	Bromide	0.000	0.1	U	0.1		
07/10/06	CCB	Nitrate-N	0.000	0.1	U	0.1		
07/10/06	CCB	Phosphate-P	0.046	0.1	U	0.1		
07/10/06	CCB	Sulfate	0.000	0.1	U	0.1		
07/12/06	ICV	Sulfate	401.175	401		0.1	400	100%
07/12/06	ICB	Sulfate	0.000	0.1	U	0.1		
07/12/06	CCV	Sulfate	406.698	407		0.1	400	102%
07/12/06	CCB	Sulfate	0.029	0.1	U	0.1		

U = Undetected

010103

Line	Sample	Sample Type	Level	Method	Data File	Dilution
1	ICV	Sample		anions060405.met	060710_001.dxd	20
2	ICB	Sample		anions060405.met	060710_002.dxd	1
3	282067	Sample		anions060405.met	060710_003.dxd	1
4	282067D	Sample		anions060405.met	060710_004.dxd	1
5	282067S	Sample		anions060405.met	060710_005.dxd	1
6	282068	Sample		anions060405.met	060710_006.dxd	1
7	282069	Sample		anions060405.met	060710_007.dxd	1
8	282070	Sample		anions060405.met	060710_008.dxd	1
9	282071	Sample		anions060405.met	060710_009.dxd	1
10	282072	Sample		anions060405.met	060710_010.dxd	1
11	282073	Sample		anions060405.met	060710_011.dxd	1
12	282074	Sample		anions060405.met	060710_012.dxd	1
13	CCV	Sample		anions060405.met	060710_013.dxd	1
14	CCB	Sample		anions060405.met	060710_014.dxd	1
15	282075	Sample		anions060405.met	060710_015.dxd	1
16	282076	Sample		anions060405.met	060710_016.dxd	1
17	282077	Sample		anions060405.met	060710_017.dxd	1
18	282078	Sample		anions060405.met	060710_018.dxd	1
19	282079	Sample		anions060405.met	060710_019.dxd	1
20	282080	Sample		anions060405.met	060710_020.dxd	1
21	282081	Sample		anions060405.met	060710_021.dxd	1
22	282082	Sample		anions060405.met	060710_022.dxd	1
23	282083	Sample		anions060405.met	060710_023.dxd	1
24	282084	Sample		anions060405.met	060710_024.dxd	1
25	CCV	Sample		anions060405.met	060710_025.dxd	1
26	CCB	Sample		anions060405.met	060710_026.dxd	1
27	282085	Sample		anions060405.met	060710_027.dxd	1
28	282086	Sample		anions060405.met	060710_028.dxd	1
29	282087	Sample		anions060405.met	060710_029.dxd	1
30	282087D	Sample		anions060405.met	060710_030.dxd	1
31	282087S	Sample		anions060405.met	060710_031.dxd	1
32	282088	Sample		anions060405.met	060710_032.dxd	1
33	282089	Sample		anions060405.met	060710_033.dxd	1
34	282090	Sample		anions060405.met	060710_034.dxd	1
35	282091	Sample		anions060405.met	060710_035.dxd	1
36	282092	Sample		anions060405.met	060710_036.dxd	1
37	CCV	Sample		anions060405.met	060710_037.dxd	1
38	CCB	Sample		anions060405.met	060710_038.dxd	1
39	282093	Sample		anions060405.met	060710_039.dxd	1
40	282094	Sample		anions060405.met	060710_040.dxd	1
41	282095	Sample		anions060405.met	060710_041.dxd	1
42	282096	Sample		anions060405.met	060710_042.dxd	1
43	282097	Sample		anions060405.met	060710_043.dxd	1
44	282098	Sample		anions060405.met	060710_044.dxd	1
45	282099	Sample		anions060405.met	060710_045.dxd	1
46	282100	Sample		anions060405.met	060710_046.dxd	1
47	282101	Sample		anions060405.met	060710_047.dxd	1
48	282102	Sample		anions060405.met	060710_048.dxd	1
49	CCV	Sample		anions060405.met	060710_049.dxd	1
50	CCB	Sample		anions060405.met	060710_050.dxd	1
51	282103	Sample		anions060405.met	060710_051.dxd	1
52	282104	Sample		anions060405.met	060710_052.dxd	1
53	282105	Sample		anions060405.met	060710_053.dxd	1
54	282106	Sample		anions060405.met	060710_054.dxd	1
55	282107	Sample		anions060405.met	060710_055.dxd	1
56	282107D	Sample		anions060405.met	060710_056.dxd	1
57	282107S	Sample		anions060405.met	060710_057.dxd	1
58	282108	Sample		anions060405.met	060710_058.dxd	1
59	282109	Sample		anions060405.met	060710_059.dxd	1
60	282110	Sample		anions060405.met	060710_060.dxd	1
61	CCV	Sample		anions060405.met	060710_061.dxd	1
62	CCB	Sample		anions060405.met	060710_062.dxd	1
63	282111	Sample		anions060405.met	060710_063.dxd	1

Line	Sample	Sample Type	Level	Method	Data File	Dilution
64	282112	Sample		anions060405.met	060710_064.dxd	1
65	282113	Sample		anions060405.met	060710_065.dxd	1
66	282114	Sample		anions060405.met	060710_066.dxd	1
67	282115	Sample		anions060405.met	060710_067.dxd	1
68	282116	Sample		anions060405.met	060710_068.dxd	1
69	282117	Sample		anions060405.met	060710_069.dxd	1
70	282068	Sample		anions060405.met	060710_070.dxd	1
71	CCV	Sample		anions060405.met	060710_071.dxd	1
72	CCB	Sample		anions060405.met	060710_072.dxd	1
73	PB df2	Sample		anions060405.met	060710_073.dxd	2
74	LCS df2	Sample		anions060405.met	060710_074.dxd	2
75	281572 df2	Sample		anions060405.met	060710_075.dxd	2
76	281572D df2	Sample		anions060405.met	060710_076.dxd	2
77	281572S df2	Sample		anions060405.met	060710_077.dxd	2
78	281572 df20	Sample		anions060405.met	060710_078.dxd	20
79	281572D df20	Sample		anions060405.met	060710_079.dxd	20
80	281572S df20	Sample		anions060405.met	060710_080.dxd	20
81	LCS df100	Sample		anions060405.met	060710_081.dxd	100
82	CCV	Sample		anions060405.met	060710_082.dxd	1
83	CCB	Sample		anions060405.met	060710_083.dxd	1
84	282382 df2	Sample		anions060405.met	060710_084.dxd	2
85	282382D df2	Sample		anions060405.met	060710_085.dxd	2
86	282382S df2	Sample		anions060405.met	060710_086.dxd	2
87	282382 df20	Sample		anions060405.met	060710_087.dxd	20
88	282382D df20	Sample		anions060405.met	060710_088.dxd	20
89	282382S df20	Sample		anions060405.met	060710_089.dxd	20
90	281572 df2	Sample		anions060405.met	060710_090.dxd	2
91	281572D df2	Sample		anions060405.met	060710_091.dxd	2
92	281572 df20	Sample		anions060405.met	060710_092.dxd	20
93	281572D df20	Sample		anions060405.met	060710_093.dxd	20
94	CCV	Sample		anions060405.met	060710_094.dxd	1
95	CCB	Sample		anions060405.met	060710_095.dxd	1

Default Method Path: C:\PEAKNET\METHOD
 Default Data Path: C:\PEAKNET\DATA\060710

Comment:
 DIV 20 06002.01.242 TO#060629-11, 060630-1, 060630-2
 COMMODORE 12136.02.006, 12136.05.006 TO#060622-12, 060706-2

- ICV Sources:
- 1) SPEX LOT#32-57AS (INORG#5750)
 - F = 100 mg/L
 - Cl = 200 mg/L
 - Br = 400 mg/L
 - NO3N = 90.4 mg/L
 - PO4P = 196 mg/L
 - SO4 = 400 mg/L
 - 2) 04-01-IC56 *RCS* *7/11/06*
 - NO2N 109 mg/L

R. Spivey
7/11/06

Sample Name : ICV
 Dilution Factor : 20.00
 Injection Number : 1
 Data File Name : c:\peaknet\data\060710\060710_001.DXD
 Method File Name : c:\peaknet\method\anions060405.met
 Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 5:54:43 AM
 System Name : Dx-500
 Detector Name : Conductivity Detector
 Column Type : AS14-SN#018097 AG14-#019940
 System Operator : RSPIES

Peak Information : All Components

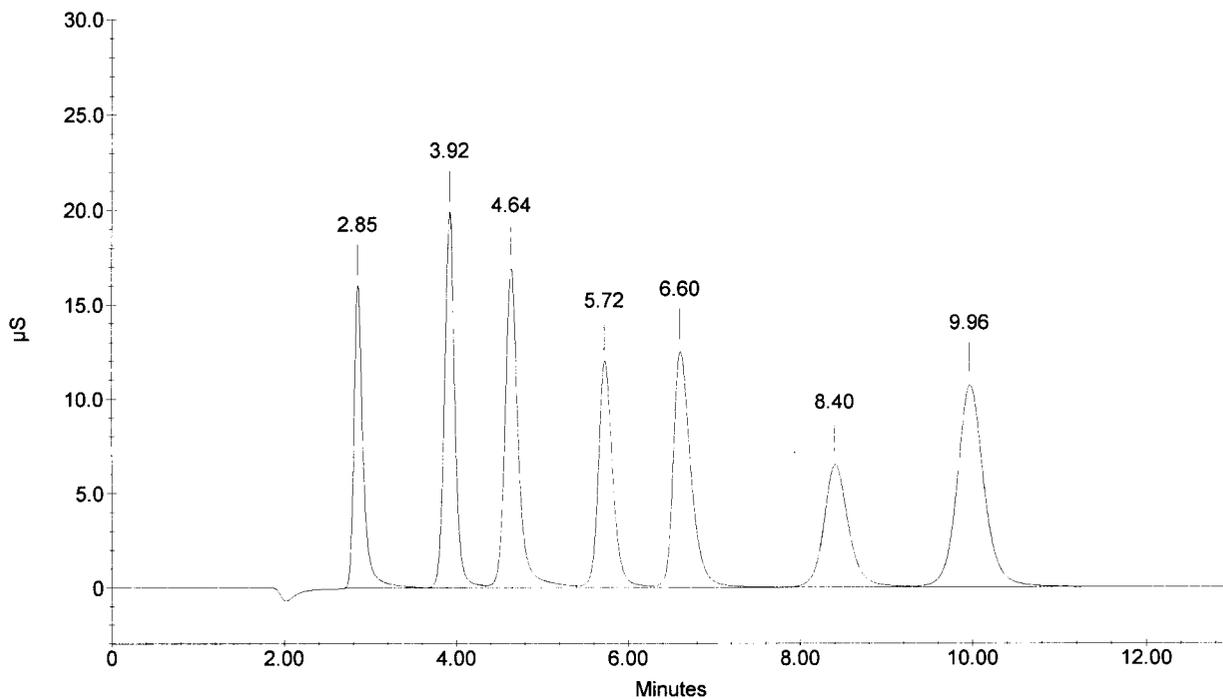
Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
1	2.85	FLUORIDE	98.057	158617	1193718	2	-2.40
2	3.92	CHLORIDE	207.789	197427	1665062	2	-3.05
3	4.64	NITRITE-N	106.076	168995	1827487	2	-3.60
4	5.72	BROMIDE	405.932	118687	1398612	2	-3.11
5	6.60	NITRATE-N	91.821	124755	1784125	2	-1.84
6	8.40	PHOSPHATE-P	196.163	64771	1308549	2	-3.93
7	9.96	SULFATE	403.140	106759	2335701	2	-5.89

0.00

---total(s)---
1508.978

11513255

ICV

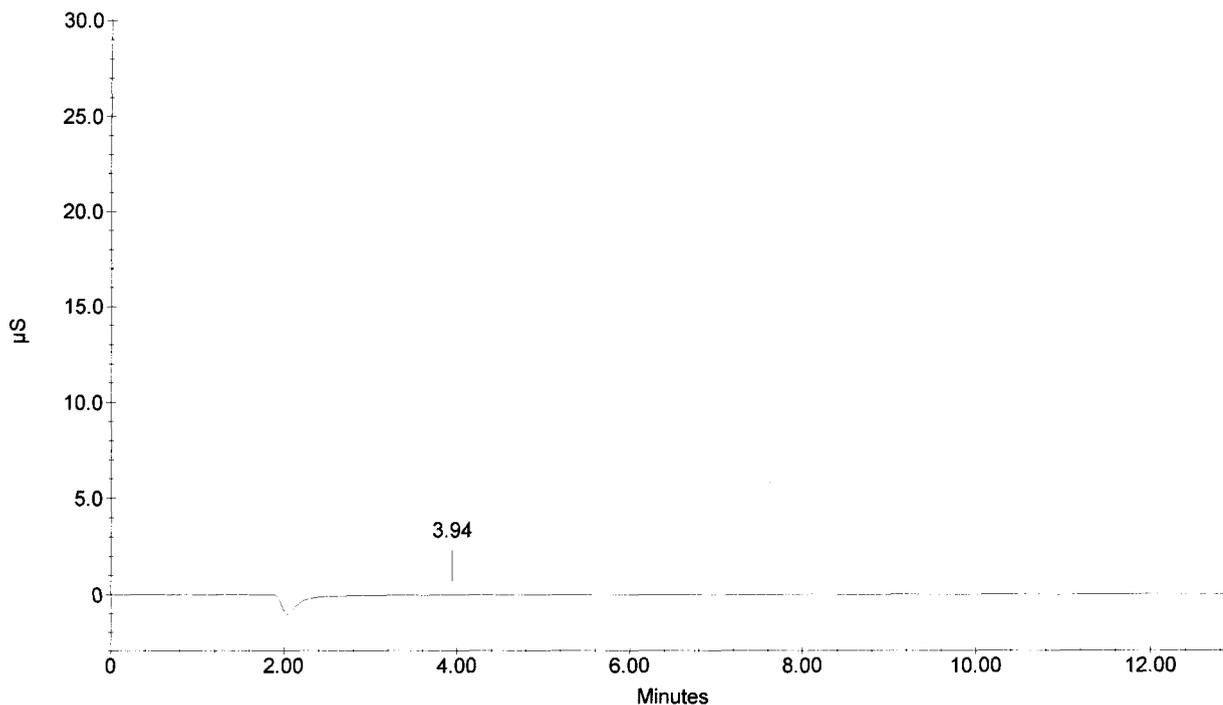


Sample Name : ICB
 Dilution Factor : 1.00
 Injection Number : 2
 Data File Name : c:\peaknet\data\060710\060710_002.DXD
 Method File Name : c:\peaknet\method\anions060405.met
 Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 6:10:19 AM
 System Name : Dx-500
 Detector Name : Conductivity Detector
 Column Type : AS14-SN#018097 AG14-#019940
 System Operator : RSPIES

Peak Information : All Components							
Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
1	3.94	CHLORIDE	0.040	117	1347	1	-2.39
1	3.94	CHLORIDE	0.040	117	1347	1	-2.39
		NITRITE-N					
		BROMIDE					
		NITRATE-N					
		PHOSPHATE-P					
		SULFATE					
			---total(s)---				
0.00			0.080		2694		

ICB



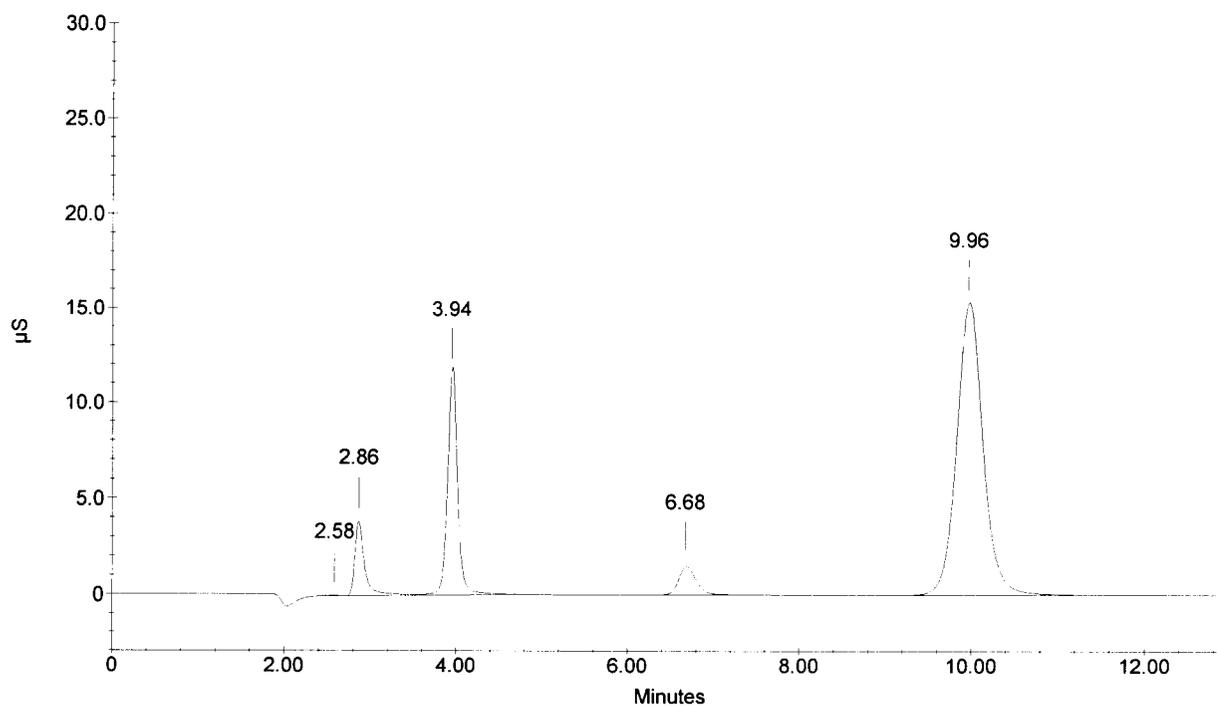
Sample Name : 282067
Dilution Factor : 1.00
Injection Number : 3
Data File Name : c:\peaknet\data\060710\060710_003.DXD
Method File Name : c:\peaknet\method\anions060405.met
Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 6:25:53 AM
System Name : Dx-500
Detector Name : Conductivity Detector
Column Type : AS14-SN#018097 AG14-#019940
System Operator : RSPIES

Peak Information : All Components

Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
2	2.86	FLUORIDE	1.381	38692	316475	2	-1.94
3	3.94	CHLORIDE NITRITE-N BROMIDE	6.259	116377	968701	2	-2.39
4	6.68	NITRATE-N PHOSPHATE-P	0.631	14761	210403	1	-0.64
5	9.96	SULFATE	26.785	153093	3262878	1	-5.89
			---total(s)---				
0.00			35.055		4758457		

282067



Sample Name : 282067D

Dilution Factor : 1.00

Injection Number : 4

Data File Name : c:\peaknet\data\060710\060710_004.DXD

Method File Name : c:\peaknet\method\anions060405.met

Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 6:41:28 AM

System Name : Dx-500

Detector Name : Conductivity Detector

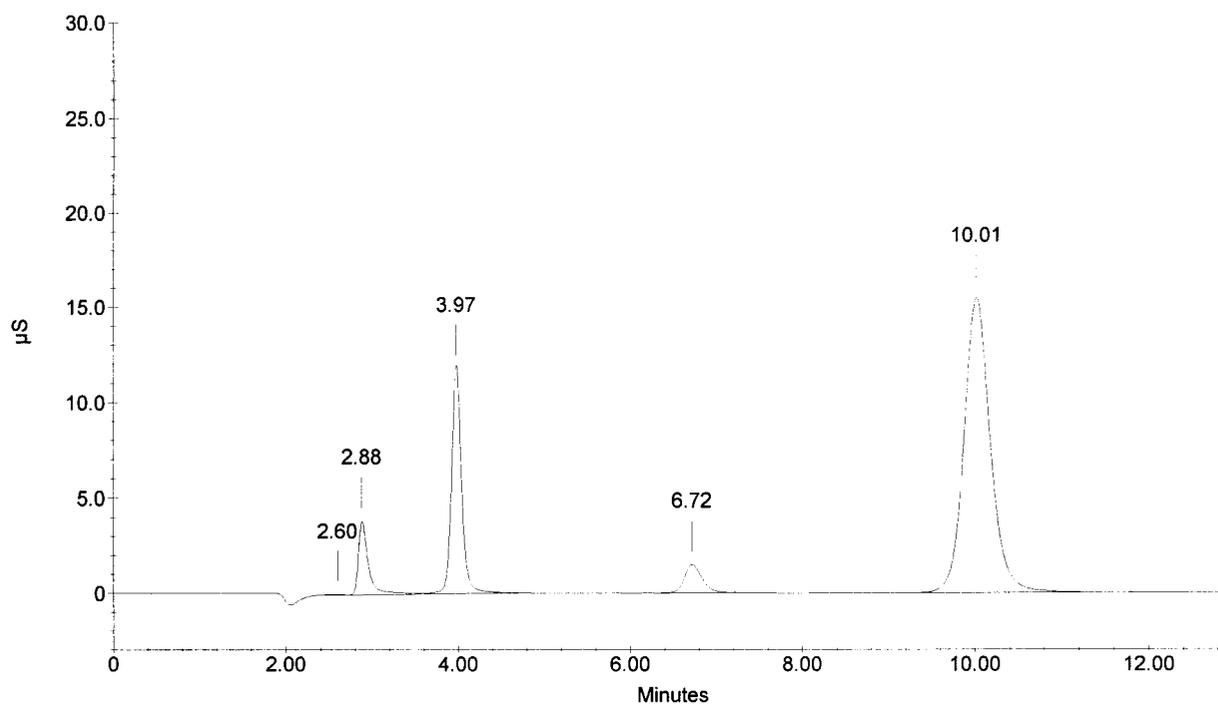
Column Type : AS14-SN#018097 AG14-#019940

System Operator : RSPIES

Peak Information : All Components

Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
2	2.88	FLUORIDE	1.389	38619	318530	2	-1.48
3	3.97	CHLORIDE NITRITE-N BROMIDE	6.288	117865	973453	2	-1.73
4	6.72	NITRATE-N PHOSPHATE-P	0.645	15063	215773	1	-0.05
5	10.01	SULFATE	26.962	154715	3289236	1	-5.39
			---total(s)---				
0.00			35.284		4796992		

282067D



Sample Name : 282067S

Dilution Factor : 1.00

Injection Number : 5

Data File Name : c:\peaknet\data\060710\060710_005.DXD

Method File Name : c:\peaknet\method\anions060405.met

Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 7:09:07 AM

System Name : Dx-500

Detector Name : Conductivity Detector

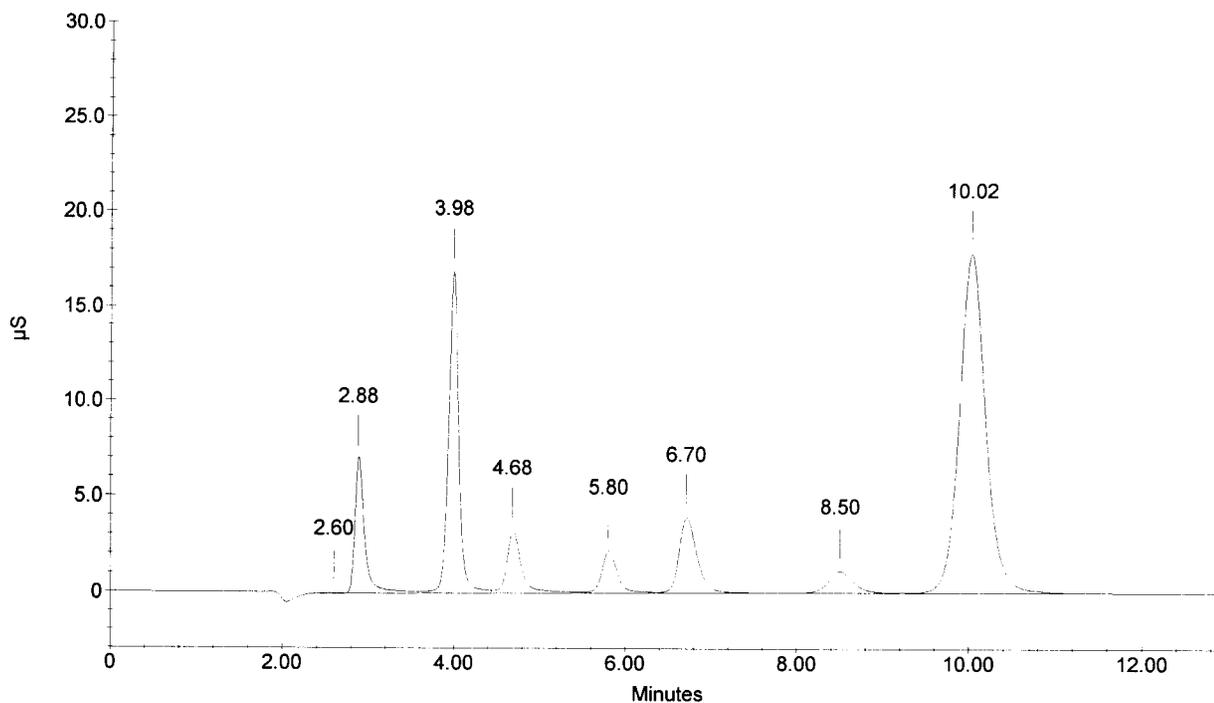
Column Type : AS14-SN#018097 AG14-#019940

System Operator : RSPIES

Peak Information : All Components

Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
2	2.88	FLUORIDE	2.391	69594	564829	2	-1.48
3	3.98	CHLORIDE	8.786	168735	1388855	2	-1.40
4	4.68	NITRITE-N	1.186	31737	385157	2	-2.77
5	5.80	BROMIDE	4.445	21503	278600	2	-1.75
6	6.70	NITRATE-N	1.545	38518	562436	2	-0.25
7	8.50	PHOSPHATE-P	1.897	11164	233936	2	-2.71
8	10.02	SULFATE	30.046	178019	3764425	2	-5.26
			---total(s)---				
0.00			50.297		7178238		

282067S



Sample Name : 282068

Dilution Factor : 1.00

Injection Number : 6

Data File Name : c:\peaknet\data\060710\060710_006.DXD

Method File Name : c:\peaknet\method\anions060405.met

Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 7:24:41 AM

System Name : Dx-500

Detector Name : Conductivity Detector

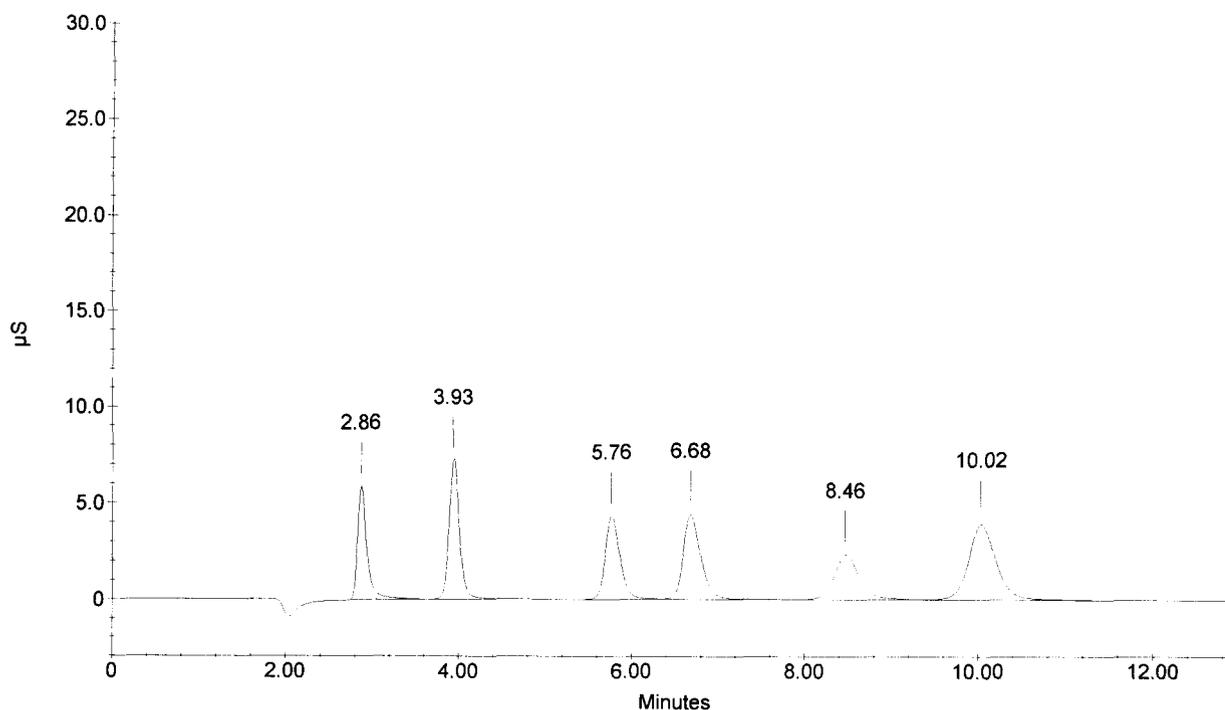
Column Type : AS14-SN#018097 AG14-#019940

System Operator : RSPIES

Peak Information : All Components

Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
1	2.86	FLUORIDE	1.908	58278	445709	1	-1.94
2	3.93	CHLORIDE NITRITE-N	4.012	71536	608945	1	-2.72
3	5.76	BROMIDE	8.055	42964	515617	2	-2.43
4	6.68	NITRATE-N	1.706	43679	625017	2	-0.64
5	8.46	PHOSPHATE-P	3.893	23329	492207	2	-3.17
6	10.02	SULFATE	8.129	39097	873567	2	-5.26
			---total(s)---				
0.00			27.703		3561062		

282068



Sample Name : 282069

Dilution Factor : 1.00

Injection Number : 7

Data File Name : c:\peaknet\data\060710\060710_007.DXD

Method File Name : c:\peaknet\method\anions060405.met

Schedule File Name : c:\peaknet\schedule\10jul06.sch

Date Time Collected : 7/10/06 7:40:17 AM

System Name : Dx-500

Detector Name : Conductivity Detector

Column Type : AS14-SN#018097 AG14-#019940

System Operator : RSPIES

Peak Information : All Components

Pk. Num	Ret Time	Component Name	Concentration (ppm)	Height	Area	Bl. Code	%Delta
1	2.86	FLUORIDE	1.899	57741	443554	1	-1.94
2	3.93	CHLORIDE	4.074	71992	618792	3	-2.72
3	4.65	NITRITE-N	0.082	322	3210	4	-3.33
4	5.76	BROMIDE	8.096	43520	518390	2	-2.43
5	6.66	NITRATE-N	1.717	43681	629078	2	-0.84
6	8.48	PHOSPHATE-P	3.909	23562	494303	2	-3.01
7	10.04	SULFATE	8.175	39304	878723	2	-5.14
			---total(s)---				
0.00			27.952		3586048		

282069

