

Analytical and Quality Control Report

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Report Date: May 27, 2008

Work Order: 8033103



Project Name: HELSTF GROUNDWATER
Project Number: 65

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
155080	HLSF-0085-HMW-010-0308	water	2008-03-27	13:42	2008-03-27
155082	HLSF-0085-HMW-014-0308	water	2008-03-27	10:45	2008-03-27
155408	HLSF-0085-HMW-054-0308	water	2008-03-31	14:05	2008-03-31
155410	HLSF-0085-HMW-055-0308	water	2008-03-31	12:18	2008-04-02
155638	HLSF-0085-D RW-008-0408	water	2008-04-01	13:50	2008-04-01
155749	HLSF-0085-D RW-017-0408	water	2008-04-02	10:12	2008-04-02
155751	HLSF-0085-D RW-016-0408	water	2008-04-02	13:04	2008-04-02
155888	HLSF-0085-HMW-058-0408	water	2008-04-04	10:45	2008-04-04
155890	HLSF-0085-HMW-063-0408	water	2008-04-04	13:15	2008-04-04
155892	HLSF-0085-HMW-043-0408	water	2008-04-03	13:55	2008-04-03
155894	HLSF-0085-HMW-062-0408	water	2008-04-03	12:20	2008-04-04
156084	HLSF-0085-HMW-053-0408	water	2008-04-07	13:48	2008-04-07
156559	HLSF-0085-HMW-060-0408	water	2008-04-09	15:00	2008-04-09
156689	HLSF-0085-HMW-057-0408	water	2008-04-10	10:45	2008-04-10
156691	HLSF-0085-HMW-059-0408	water	2008-04-10	13:00	2008-04-10
156916	HLSF-0085-HMW-033-0408	water	2008-04-14	14:25	2008-04-14
157035	HLSF-0085-HMW-034-0408	water	2008-04-15	14:05	2008-04-15
157205	HLSF-0085-HMW-008-0408	water	2008-04-16	09:32	2008-04-16
157484	HLSF-0085-HMW-061-0408	water	2008-04-17	14:35	2008-04-17
157486	HLSF-0085-D RW-114-0408	water	2008-04-18	11:45	2008-04-18
157507	HLSF-0085-D-RW-014-0408	water	2008-04-18	11:45	2008-04-18
157621	HLSF-0085-D RW-002-0408	water	2008-04-21	12:27	2008-04-21
157765	HLSF-0085-HCF-003-0408	water	2008-04-22	11:25	2008-04-22
157767	HLSF-0085-HCF-103-0408	water	2008-04-22	11:25	2008-04-22

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch

basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 90 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Certifications

Lubbock - NELAP T104704219-08-TX

El Paso - NELAP T104704221-08-TX

Standard Flags

B - The sample contains less than ten times the concentration found in the method blank.

All other exceptions associated with this report have been footnoted on the appropriate analytical page to assist in general data comprehension. Please contact the laboratory directly if there are any questions regarding this project.

Analytical Report

Sample: 155080 - HLSF-0085-HMW-010-0308

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 Sample Preparation: 2008-03-28 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3280	mg/L	500	2.00

Sample: 155080 - HLSF-0085-HMW-010-0308

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 Sample Preparation: 2008-03-28 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		3.05	mg/L	5	0.200

Sample: 155080 - HLSF-0085-HMW-010-0308

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 Sample Preparation: 2008-03-28 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		9920	mg/L	1000	1.00

Sample: 155082 - HLSF-0085-HMW-014-0308

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 Sample Preparation: 2008-04-01 Prepared By: JR

continued . . .

sample 155082 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8670	mg/L	1000	2.00

Sample: 155082 - HLSF-0085-HMW-014-0308

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		5.11	mg/L	10	0.200

Sample: 155082 - HLSF-0085-HMW-014-0308

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		13900	mg/L	1000	1.00

Sample: 155408 - HLSF-0085-HMW-054-0308

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1600	mg/L	100	2.00

Sample: 155408 - HLSF-0085-HMW-054-0308

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.04	mg/L	5	0.200

Sample: 155408 - HLSF-0085-HMW-054-0308

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		6110	mg/L	500	1.00

Sample: 155410 - HLSF-0085-HMW-055-0308

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1920	mg/L	100	2.00

Sample: 155410 - HLSF-0085-HMW-055-0308

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.43	mg/L	5	0.200

Sample: 155410 - HLSF-0085-HMW-055-0308

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 Sample Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		7570	mg/L	500	1.00

Sample: 155638 - HLSF-0085-D RW-008-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		956	mg/L	100	2.00

Sample: 155638 - HLSF-0085-D RW-008-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		3.39	mg/L	5	0.200

Sample: 155638 - HLSF-0085-D RW-008-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		5580	mg/L	500	1.00

Sample: 155749 - HLSF-0085-D RW-017-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1510	mg/L	100	2.00

Sample: 155749 - HLSF-0085-D RW-017-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.02	mg/L	5	0.200

Sample: 155749 - HLSF-0085-D RW-017-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		5770	mg/L	500	1.00

Sample: 155751 - HLSF-0085-D RW-016-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2470	mg/L	500	2.00

Sample: 155751 - HLSF-0085-D RW-016-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.85	mg/L	5	0.200

Sample: 155751 - HLSF-0085-D RW-016-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 Sample Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		6160	mg/L	500	1.00

Sample: 155888 - HLSF-0085-HMW-058-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1800	mg/L	100	2.00

Sample: 155888 - HLSF-0085-HMW-058-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.44	mg/L	5	0.200

Sample: 155888 - HLSF-0085-HMW-058-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		8050	mg/L	500	1.00

Sample: 155890 - HLSF-0085-HMW-063-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		836	mg/L	100	2.00

Sample: 155890 - HLSF-0085-HMW-063-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.81	mg/L	5	0.200

Sample: 155890 - HLSF-0085-HMW-063-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		5750	mg/L	500	1.00

Sample: 155892 - HLSF-0085-HMW-043-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		297	mg/L	50	2.00

Sample: 155892 - HLSF-0085-HMW-043-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		4.29	mg/L	5	0.200

Sample: 155892 - HLSF-0085-HMW-043-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		3670	mg/L	500	1.00

Sample: 155894 - HLSF-0085-HMW-062-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1760	mg/L	100	2.00

Sample: 155894 - HLSF-0085-HMW-062-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.85	mg/L	5	0.200

Sample: 155894 - HLSF-0085-HMW-062-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 Sample Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		5810	mg/L	500	1.00

Sample: 156084 - HLSF-0085-HMW-053-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11500	mg/L	500	2.00

Sample: 156084 - HLSF-0085-HMW-053-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.97	mg/L	10	0.200

Sample: 156084 - HLSF-0085-HMW-053-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		16400	mg/L	1000	1.00

Sample: 156559 - HLSF-0085-HMW-060-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1260	mg/L	100	2.00

Sample: 156559 - HLSF-0085-HMW-060-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.85	mg/L	5	0.200

Sample: 156559 - HLSF-0085-HMW-060-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		6390	mg/L	500	1.00

Sample: 156689 - HLSF-0085-HMW-057-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1870	mg/L	100	2.00

Sample: 156689 - HLSF-0085-HMW-057-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.73	mg/L	5	0.200

Sample: 156689 - HLSF-0085-HMW-057-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		7380	mg/L	500	1.00

Sample: 156691 - HLSF-0085-HMW-059-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		980	mg/L	100	2.00

Sample: 156691 - HLSF-0085-HMW-059-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.57	mg/L	5	0.200

Sample: 156691 - HLSF-0085-HMW-059-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		6600	mg/L	500	1.00

Sample: 156916 - HLSF-0085-HMW-033-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6660	mg/L	500	2.00

Sample: 156916 - HLSF-0085-HMW-033-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.72	mg/L	5	0.200

Sample: 156916 - HLSF-0085-HMW-033-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		14100	mg/L	1000	1.00

Sample: 157035 - HLSF-0085-HMW-034-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		865	mg/L	100	2.00

Sample: 157035 - HLSF-0085-HMW-034-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.30	mg/L	5	0.200

Sample: 157035 - HLSF-0085-HMW-034-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 Sample Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		7050	mg/L	500	1.00

Sample: 157205 - HLSF-0085-HMW-008-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47809 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41110 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1130	mg/L	50	2.00

Sample: 157205 - HLSF-0085-HMW-008-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47809 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41110 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.32	mg/L	5	0.200

Sample: 157205 - HLSF-0085-HMW-008-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47809 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41110 Sample Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		6750	mg/L	500	1.00

Sample: 157484 - HLSF-0085-HMW-061-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47826 Date Analyzed: 2008-04-18 Analyzed By: JR
Prep Batch: 41121 Sample Preparation: 2008-04-18 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3340	mg/L	500	2.00

Sample: 157484 - HLSF-0085-HMW-061-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47826 Date Analyzed: 2008-04-18 Analyzed By: JR
Prep Batch: 41121 Sample Preparation: 2008-04-18 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.58	mg/L	5	0.200

Sample: 157484 - HLSF-0085-HMW-061-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47826 Date Analyzed: 2008-04-18 Analyzed By: JR
Prep Batch: 41121 Sample Preparation: 2008-04-18 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		7020	mg/L	500	1.00

Sample: 157486 - HLSF-0085-D RW-114-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 Sample Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3990	mg/L	500	2.00

Sample: 157486 - HLSF-0085-D RW-114-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 Sample Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		2.03	mg/L	5	0.200

Sample: 157486 - HLSF-0085-D RW-114-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 Sample Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		7670	mg/L	500	1.00

Sample: 157507 - HLSF-0085-D-RW-014-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 Sample Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4000	mg/L	500	2.00

Sample: 157507 - HLSF-0085-D-RW-014-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 Sample Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.94	mg/L	5	0.200

Sample: 157507 - HLSF-0085-D-RW-014-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 Sample Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		7660	mg/L	500	1.00

Sample: 157621 - HLSF-0085-D RW-002-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		304	mg/L	50	2.00

Sample: 157621 - HLSF-0085-D RW-002-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		1.75	mg/L	5	0.200

Sample: 157621 - HLSF-0085-D RW-002-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		3640	mg/L	500	1.00

Sample: 157765 - HLSF-0085-HCF-003-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		98.1	mg/L	5	2.00

Sample: 157765 - HLSF-0085-HCF-003-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		0.800	mg/L	1	0.200

Sample: 157765 - HLSF-0085-HCF-003-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		967	mg/L	100	1.00

Sample: 157767 - HLSF-0085-HCF-103-0408

Laboratory: El Paso
Analysis: Chloride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47829 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41124 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		102	mg/L	10	2.00

Sample: 157767 - HLSF-0085-HCF-103-0408

Laboratory: El Paso
Analysis: Fluoride (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47829 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41124 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Fluoride		0.820	mg/L	1	0.200

Sample: 157767 - HLSF-0085-HCF-103-0408

Laboratory: El Paso
Analysis: SO4 (IC) Analytical Method: E 300.0 Prep Method: N/A
QC Batch: 47829 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41124 Sample Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	RL Result	Units	Dilution	RL
Sulfate		1020	mg/L	50	1.00

Method Blank (1) QC Batch: 47219

QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 QC Preparation: 2008-03-28 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47219

QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 QC Preparation: 2008-03-28 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47219

QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 QC Preparation: 2008-03-28 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47379

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47379

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47379

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47381

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47383

QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 QC Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47384

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47384

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47384

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47560

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47560

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47562

QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 QC Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47562

QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 QC Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47562

QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 QC Preparation: 2008-04-04 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47778

QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47778

QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47778

QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47804

QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47804

QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47804

QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47806

QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47806

QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47806

QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 QC Preparation: 2008-04-16 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47808

QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 QC Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47808

QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 QC Preparation: 2008-04-17 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47827

QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 QC Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Method Blank (1) QC Batch: 47827

QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 QC Preparation: 2008-04-21 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Sulfate		<0.162	mg/L	1

Method Blank (1) QC Batch: 47828

QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 QC Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Chloride		<0.171	mg/L	2

Method Blank (1) QC Batch: 47828

QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 QC Preparation: 2008-04-23 Prepared By: JR

Parameter	Flag	MDL Result	Units	RL
Fluoride		<0.0434	mg/L	0.2

Laboratory Control Spike (LCS-1)

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.40	mg/L	1	2.50	<0.0434	96	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.40	mg/L	1	2.50	<0.0434	96	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.8	mg/L	1	12.5	<0.171	94	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.41	mg/L	1	2.50	<0.0434	96	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.41	mg/L	1	2.50	<0.0434	96	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.3	mg/L	1	12.5	<0.162	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/L	1	12.5	<0.171	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.6	mg/L	1	12.5	<0.171	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.39	mg/L	1	2.50	<0.0434	96	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.40	mg/L	1	2.50	<0.0434	96	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.1	mg/L	1	12.5	<0.162	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.1	mg/L	1	12.5	<0.162	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 QC Preparation: 2008-04-04 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/L	1	12.5	<0.171	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.7	mg/L	1	12.5	<0.171	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 QC Preparation: 2008-04-04 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.39	mg/L	1	2.50	<0.0434	96	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.40	mg/L	1	2.50	<0.0434	96	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 QC Preparation: 2008-04-04 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.1	mg/L	1	12.5	<0.162	97	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	11.6	mg/L	1	12.5	<0.171	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	11.7	mg/L	1	12.5	<0.171	94	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.38	mg/L	1	2.50	<0.0434	95	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.39	mg/L	1	2.50	<0.0434	96	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.1	mg/L	1	12.5	<0.162	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.2	mg/L	1	12.5	<0.162	98	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47829
Prep Batch: 41124

Date Analyzed: 2008-04-23
QC Preparation: 2008-04-23

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12.3	mg/L	1	12.5	<0.171	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12.3	mg/L	1	12.5	<0.171	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47829
Prep Batch: 41124

Date Analyzed: 2008-04-23
QC Preparation: 2008-04-23

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	2.54	mg/L	1	2.50	<0.0434	102	88.6 - 107

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	2.53	mg/L	1	2.50	<0.0434	101	88.6 - 107	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1)

QC Batch: 47829
Prep Batch: 41124

Date Analyzed: 2008-04-23
QC Preparation: 2008-04-23

Analyzed By: JR
Prepared By: JR

Param	LCS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12.7	mg/L	1	12.5	<0.162	102	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12.7	mg/L	1	12.5	<0.162	102	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155080

QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 QC Preparation: 2008-03-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	8990	mg/L	500	6250	3280	91	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	9000	mg/L	500	6250	3280	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155080

QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 QC Preparation: 2008-03-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1190	mg/L	500	1250	<21.7	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1190	mg/L	500	1250	<21.7	95	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155080

QC Batch: 47219 Date Analyzed: 2008-04-08 Analyzed By: JR
Prep Batch: 40614 QC Preparation: 2008-03-28 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	15700	mg/L	500	6250	9920	92	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	15600	mg/L	500	6250	9920	91	82.7 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155408

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7450	mg/L	500	6250	1600	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7350	mg/L	500	6250	1600	92	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155408

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1190	mg/L	500	1250	<21.7	95	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155408

QC Batch: 47379 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40736 QC Preparation: 2008-04-01 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11900	mg/L	500	6250	6110	93	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11900	mg/L	500	6250	6110	93	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155410

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7740	mg/L	500	6250	1920	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7720	mg/L	500	6250	1920	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155410

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1210	mg/L	500	1250	<21.7	97	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1210	mg/L	500	1250	<21.7	97	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155410

QC Batch: 47381 Date Analyzed: 2008-04-01 Analyzed By: JR
Prep Batch: 40742 QC Preparation: 2008-04-01 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	13400	mg/L	500	6250	7570	93	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	13400	mg/L	500	6250	7570	93	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155638

QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 QC Preparation: 2008-04-03 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6730	mg/L	500	6250	956	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6730	mg/L	500	6250	956	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155638

QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 QC Preparation: 2008-04-03 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155638

QC Batch: 47383 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40744 QC Preparation: 2008-04-03 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11400	mg/L	500	6250	5580	93	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11400	mg/L	500	6250	5580	93	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155749

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7230	mg/L	500	6250	1510	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7220	mg/L	500	6250	1510	91	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155749

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155749

QC Batch: 47384 Date Analyzed: 2008-04-03 Analyzed By: JR
Prep Batch: 40745 QC Preparation: 2008-04-03 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11500	mg/L	500	6250	5770	92	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11500	mg/L	500	6250	5770	92	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155892

QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6200	mg/L	500	6250	297	94	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6120	mg/L	500	6250	297	93	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155892

QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1220	mg/L	500	1250	<21.7	97	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104	2	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155892

QC Batch: 47388 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40749 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	9470	mg/L	500	6250	3670	93	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	9440	mg/L	500	6250	3670	92	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155894

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7480	mg/L	500	6250	1760	92	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7480	mg/L	500	6250	1760	92	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155894

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1190	mg/L	500	1250	<21.7	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1200	mg/L	500	1250	<21.7	96	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155894

QC Batch: 47560 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40900 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11500	mg/L	500	6250	5810	91	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11600	mg/L	500	6250	5810	93	82.7 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155890

QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6630	mg/L	500	6250	836	93	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6630	mg/L	500	6250	836	93	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155890

QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1190	mg/L	500	1250	<21.7	95	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1190	mg/L	500	1250	<21.7	95	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 155890

QC Batch: 47562 Date Analyzed: 2008-04-04 Analyzed By: JR
Prep Batch: 40901 QC Preparation: 2008-04-04 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	11500	mg/L	500	6250	5750	92	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	11500	mg/L	500	6250	5750	92	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 41079

QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7890	mg/L	500	6250	1870	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7900	mg/L	500	6250	1870	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 41079

QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 41079

QC Batch: 47778 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41079 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	13300	mg/L	500	6250	7380	95	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	13300	mg/L	500	6250	7380	95	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156916

QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	12900	mg/L	500	6250	6660	100	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	12900	mg/L	500	6250	6660	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156916

QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1270	mg/L	500	1250	<21.7	101	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1270	mg/L	500	1250	<21.7	101	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156916

QC Batch: 47804 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41106 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	20200	mg/L	500	6250	14100	98	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	20300	mg/L	500	6250	14100	99	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157035

QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7070	mg/L	500	6250	865	99	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7090	mg/L	500	6250	865	100	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157035

QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1270	mg/L	500	1250	<21.7	101	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1280	mg/L	500	1250	<21.7	102	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157035

QC Batch: 47806 Date Analyzed: 2008-04-16 Analyzed By: JR
Prep Batch: 41107 QC Preparation: 2008-04-16 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	13100	mg/L	500	6250	7050	97	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	13100	mg/L	500	6250	7050	97	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156559

QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 QC Preparation: 2008-04-17 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7250	mg/L	500	6250	1260	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7250	mg/L	500	6250	1260	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156559

QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 QC Preparation: 2008-04-17 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1240	mg/L	500	1250	<21.7	99	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1240	mg/L	500	1250	<21.7	99	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 156559

QC Batch: 47808 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41108 QC Preparation: 2008-04-17 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12200	mg/L	500	6250	6390	93	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12200	mg/L	500	6250	6390	93	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157205

QC Batch: 47809 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41110 QC Preparation: 2008-04-17 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	7100	mg/L	500	6250	1130	96	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	7100	mg/L	500	6250	1130	96	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157205

QC Batch: 47809 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41110 QC Preparation: 2008-04-17 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1240	mg/L	500	1250	<21.7	99	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157205

QC Batch: 47809 Date Analyzed: 2008-04-17 Analyzed By: JR
Prep Batch: 41110 QC Preparation: 2008-04-17 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	12800	mg/L	500	6250	6750	97	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	12700	mg/L	500	6250	6750	95	82.7 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157484

QC Batch: 47826 Date Analyzed: 2008-04-18 Analyzed By: JR
Prep Batch: 41121 QC Preparation: 2008-04-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	9410	mg/L	500	6250	3330	97	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	9380	mg/L	500	6250	3330	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157484

QC Batch: 47826 Date Analyzed: 2008-04-18 Analyzed By: JR
Prep Batch: 41121 QC Preparation: 2008-04-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157484

QC Batch: 47826 Date Analyzed: 2008-04-18 Analyzed By: JR
Prep Batch: 41121 QC Preparation: 2008-04-18 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	13200	mg/L	500	6250	7020	99	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	13100	mg/L	500	6250	7020	97	82.7 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157507

QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 QC Preparation: 2008-04-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	10100	mg/L	500	6250	4000	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	10000	mg/L	500	6250	4000	96	90 - 110	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157507

QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 QC Preparation: 2008-04-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157507

QC Batch: 47827 Date Analyzed: 2008-04-21 Analyzed By: JR
Prep Batch: 41122 QC Preparation: 2008-04-21 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	13700	mg/L	500	6250	7660	97	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	13700	mg/L	500	6250	7660	97	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157621

QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 QC Preparation: 2008-04-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	6400	mg/L	500	6250	304	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	6370	mg/L	500	6250	304	97	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157621

QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 QC Preparation: 2008-04-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	1250	mg/L	500	1250	<21.7	100	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157621

QC Batch: 47828 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41123 QC Preparation: 2008-04-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	9720	mg/L	500	6250	3640	97	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	9650	mg/L	500	6250	3640	96	82.7 - 108	1	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157767

QC Batch: 47829 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41124 QC Preparation: 2008-04-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Chloride	717	mg/L	50	625	102	98	90 - 110

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Chloride	717	mg/L	50	625	102	98	90 - 110	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157767

QC Batch: 47829 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41124 QC Preparation: 2008-04-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Fluoride	127	mg/L	50	125	<2.17	101	89.9 - 104

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Fluoride	127	mg/L	50	125	<2.17	101	89.9 - 104	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) Spiked Sample: 157767

QC Batch: 47829 Date Analyzed: 2008-04-23 Analyzed By: JR
Prep Batch: 41124 QC Preparation: 2008-04-23 Prepared By: JR

Param	MS Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit
Sulfate	1630	mg/L	50	625	1020	98	82.7 - 108

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Param	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	Rec. Limit	RPD	RPD Limit
Sulfate	1630	mg/L	50	625	1020	98	82.7 - 108	0	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (CCV-1)

QC Batch: 47829

Date Analyzed: 2008-04-23

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Fluoride		mg/L	2.50	2.51	100	90 - 110	2008-04-23

Standard (CCV-1)

QC Batch: 47829

Date Analyzed: 2008-04-23

Analyzed By: JR

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Sulfate		mg/L	12.5	12.1	97	90 - 110	2008-04-23