

CROW BUTTE RESOURCES, INC.

86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169



(308) 665-2215
(308) 665-2341 – FAX

December 24, 2003

Mr. Michael Linder, Director
Nebraska Department of Environmental Quality
PO Box 98922
Lincoln, Nebraska 68509-8922

Subject: Underground Injection Control Permit NE0122611
 PR-8 Monitor Well Excursion - 40-8943

Dear Mr. Linder:

On December 23, 2003 during routine biweekly water sampling of monitor well PR-8, the multiple parameter upper control limit (UCL) was exceeded for sulfate, conductivity, and alkalinity. As required by Footnote C.1. of Part II of UIC Permit NE0122611, a second sample was collected within 24 hours and analyzed for the five excursion indicator parameters. In the confirming sample, four of the five excursion indicators exceeded the multiple UCLs. Based upon these results, PR-8 was placed on excursion status.

Mr. Dave Miesbach of the Nebraska Department of Environmental Quality (NDEQ) was notified by voicemail and electronic mail on December 23 of the initial exceedance. As required by footnote C.1, laboratory results for the analysis of both samples are attached. In addition, graphs are attached for the samples that cover the period from May 29, 2003 to December 23, 2003.

PR-8 is a baseline restoration well in Mine Unit 1 that was chosen to monitor the boundary of Mine Unit 2 following the NDEQ approval of restoration. The only current restoration activities in Mine Unit 2 adjacent to PR-8 include monitoring final water quality before initiation of stabilization.

In accordance with Footnote C.1 of the UIC permit, CBR will increase the sampling frequency for PR-8 to weekly until three consecutive weekly samples are below the exceeded UCLs. CBR will then continue weekly sampling for an additional three weeks after this goal has been achieved. If the well has not exceeded the UCLs, it will be returned to normal status.

UMSSO1

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If you have any questions or require any further information, please do not hesitate to call me at (308) 665-2215.

Sincerely,
CROW BUTTE RESOURCES, INC.

A handwritten signature in black ink, appearing to read 'M. Griffin', written over the printed name.

Michael Griffin
Manager of Health, Safety, and Environmental Affairs

Enclosures: As Stated

cc: Mr. Dave Carlson, NDEQ Chadron Field Office

U.S. Nuclear Regulatory Commission
Mr. John Lusher - ADDRESSEE ONLY
Fuel Cycle Licensing Branch
Mail Stop T-8A33
Washington, DC 20555

Mr. Steve Collings - CBR, Denver

Well Number	Sodium (mg/L)	Sulfate (mg/L)	Chloride (mg/L)	Conductivity (µmho/cm)	Alkalinity (mg/L)
CM 8-23					
Multiple	469	379	215	2448	379
Single	563	455	258	2938	455
CM 8-24					
Multiple	479	386	232	2484	382
Single	575	464	278	2981	458
CM 8-25					
Multiple	516	395	298	2796	374
Single	619	474	357	3355	449
PR 8					
Multiple	498	462	225	2410	420
Single	504	440	235	2388	403
Single	605	528	282	2866	484
PR 15					
Multiple	305	257	95	1440	305
Single	492	428	223	2327	370
Single	590	514	268	2792	444
IJ 13					
Multiple	565	545	222	2630	440
Single	492	442	232	2417	346
Single	590	530	278	2900	415

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Single	504	440	235	2388	403
Single	605	528	282	2866	484
PR 15					
Multiple	492	428	223	2327	370
Single	590	514	268	2792	444
IJ 13					
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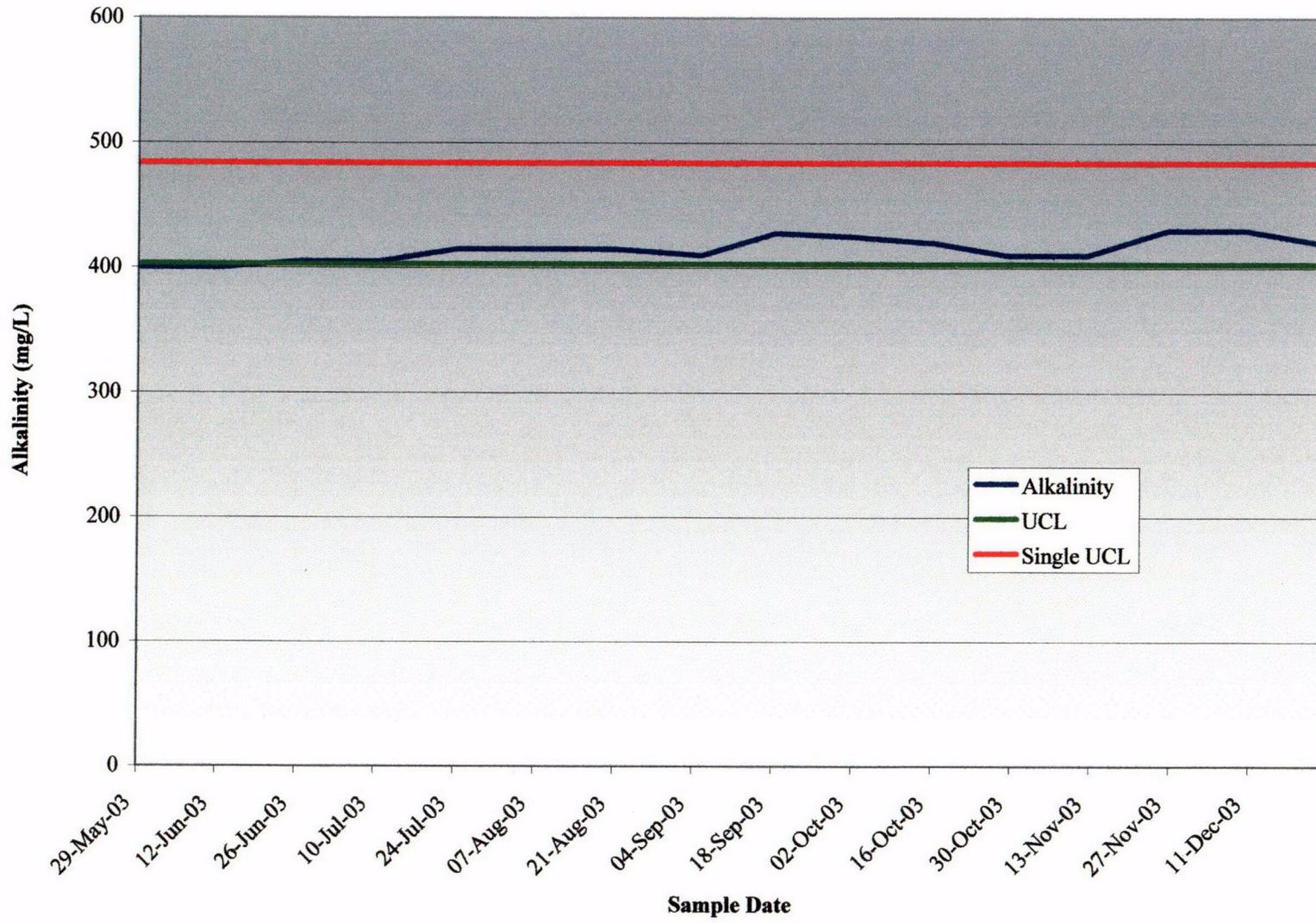
Sampled on:

12/23/03 Sample # 2
-12/24/03-

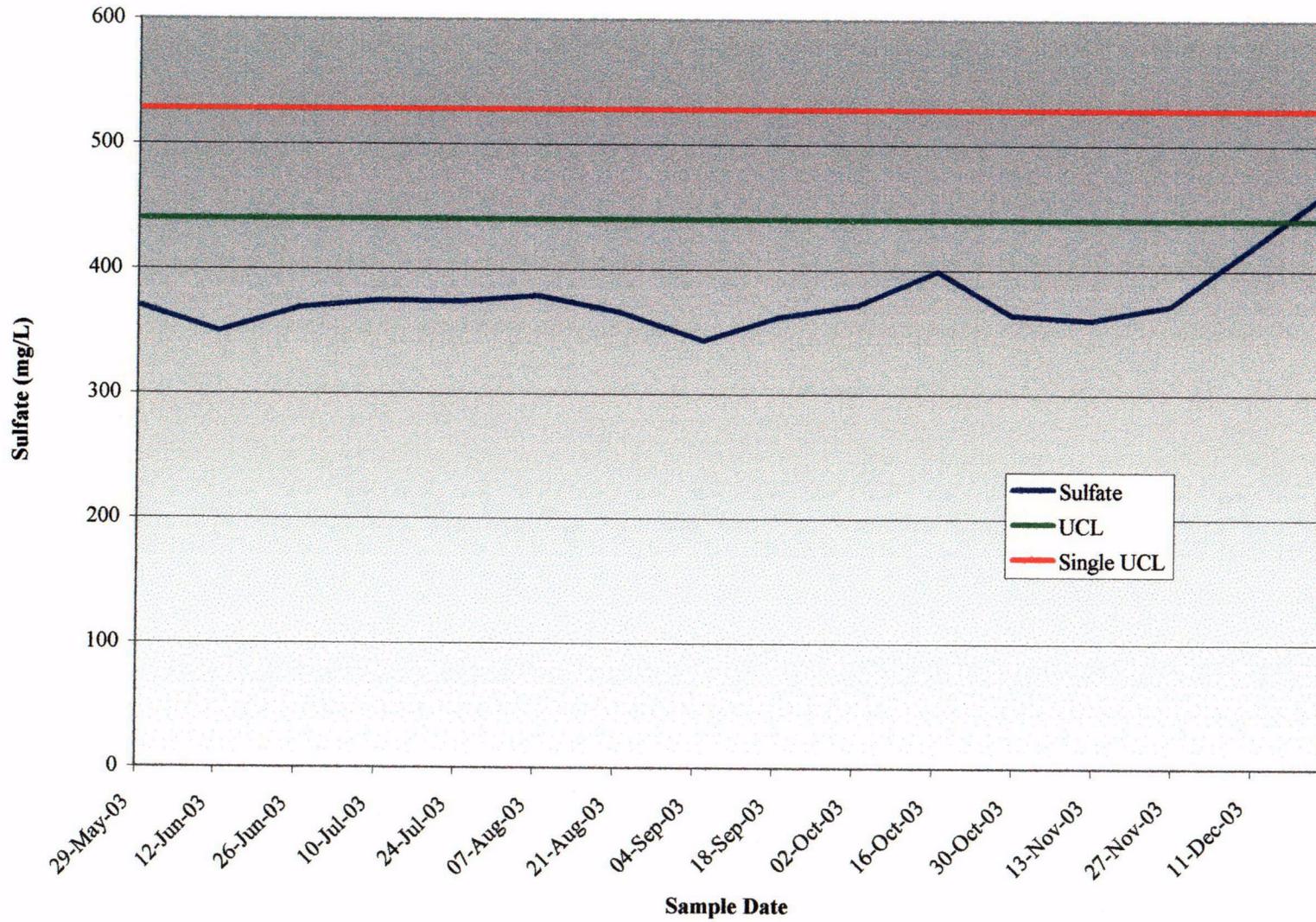
Printed on: Tuesday, December 23, 2003

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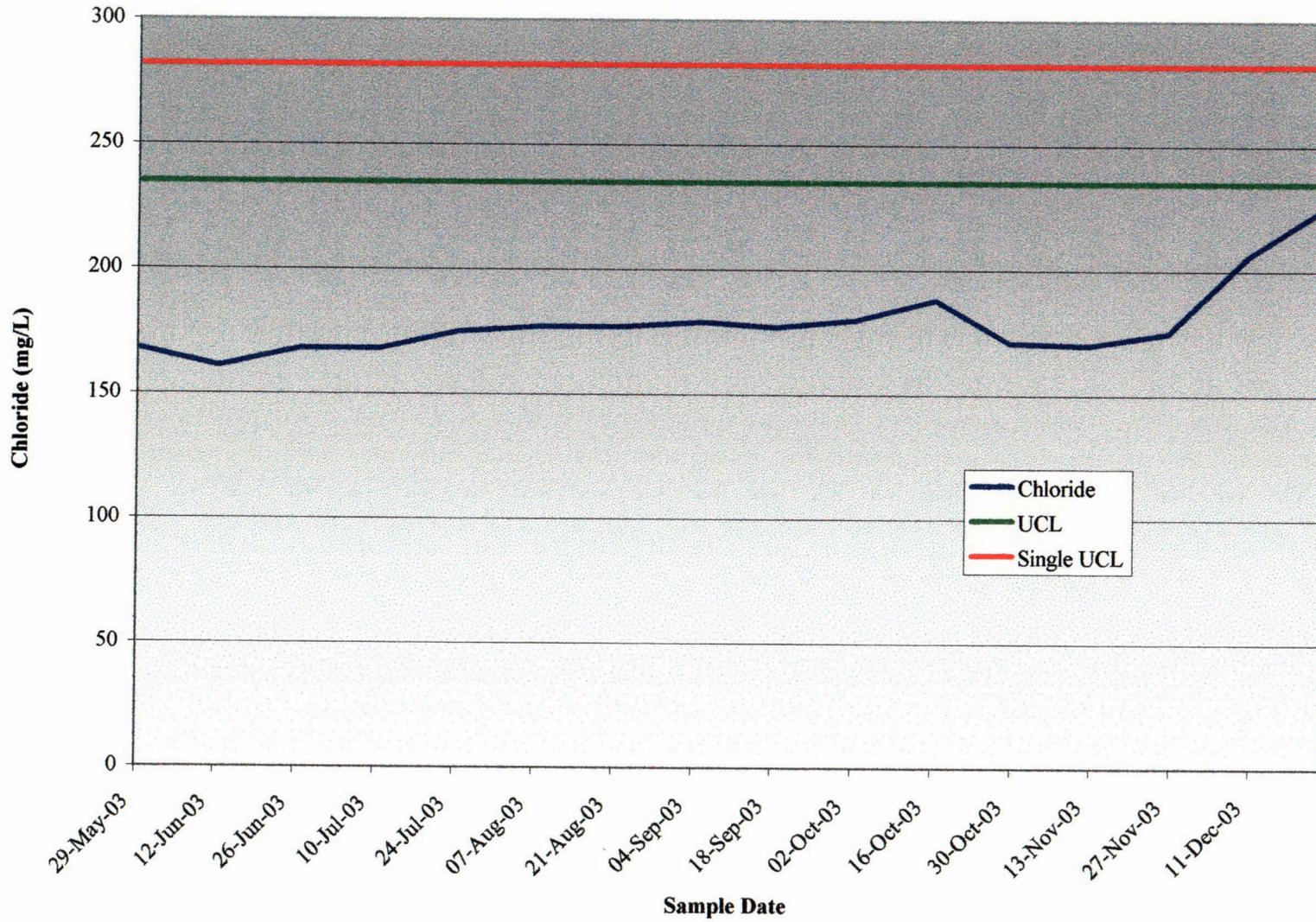
PR-8 Alkalinity Trend



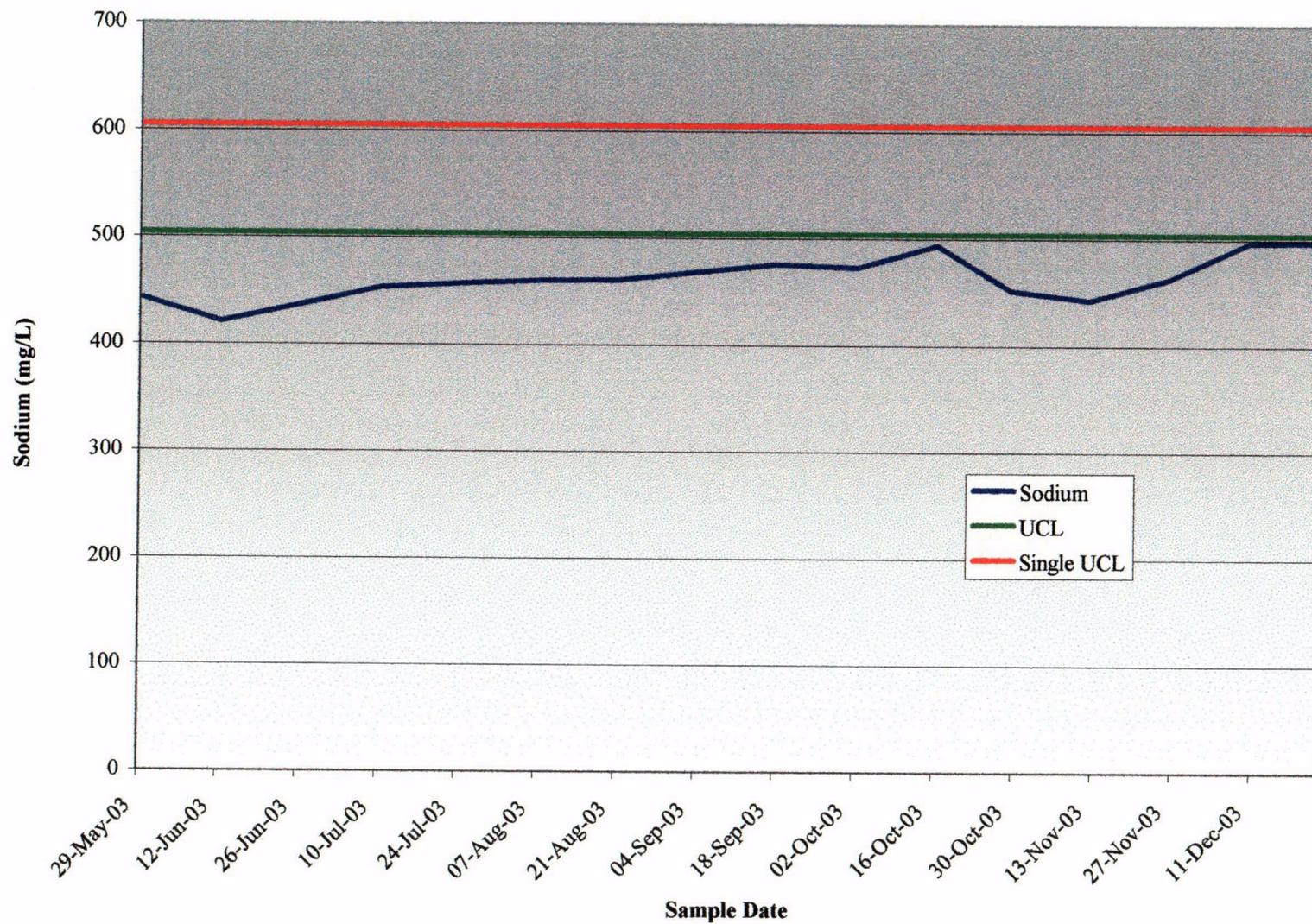
PR-8 Sulfate Trend



PR-8 Chloride Trend



PR-8 Sodium Trend



PR-8 Conductivity Trend

