report. 2008-08-27. semi_annual

GROUNDWATER PERFORMANCE MONITORING REPORT

June 2008 Sampling

ROTH BROS. SMELTING CORP.
CORRECTIVE ACTION MANAGEMENT UNIT (CAMU)

Prepared For:
Metalico Aluminum Recovery, Inc.
6223 Thompson Road
East Syracuse, New York

Prepared By:
Barton & Loguidice, P.C.
290 Elwood Davis Drive
Box 3107
Syracuse, New York 13220

August 2008

Barton & Loguidice, P.C.
Engineers · Environmental Scientists · Planners · Landscape Architects

Metalico Aluminum Recovery, Inc.
6223 Thompson Rd. • Syracuse, NY 13206
P.O. Box 88 • East Syracuse, NY 13057
(315) 463-9500 • FAX (315) 463-9290
Facility # 7102372

RECEIVED
NYSDEC
SEP 02 2008
Bureau of Hazardous Waste & Radiation Management
Division of Solid & Hazardous Materials

August 27, 2008

Stephen C. Condon, Senior Engineering Geologist
New York State Department of Environmental Conservation
Bureau of Hazardous Waste & Radiation Management, 9th Floor
Division of Solid & Hazardous Materials
625 Broadway
Albany, New York 12233-7258

Re: *Former Roth Bros. Smelting Corp. Site, 6223 Thompson Road, DeWitt, New York - Consent Order C7-0001-94-10*

Dear Mr. Condon:

Enclosed please find a copy of the CAMU Groundwater Performance Monitoring Report for the June 2008 semi-annual monitoring event. Note that we have substituted Barton & Loguidice (B&L) in place of Hazard Evaluations, Inc. to prepare this report as B&L is a local firm. The B&L contact is John Benson and you may contact Mr. Benson directly if you have a technical question regarding the data.

Sincerely yours,

Dennis Flanagan
Director of Operations
Metalico Aluminum Recovery, Inc.

cc: Mary Jane Peachey, NYSDEC Region 7 (w/enclosure)
Margaret Sheen, Esq. (w/enclosure)
Wabash Alloys, L.L.C. (c/o Doreen Simmons, Esq.) (w/enclosure)
Thompson Corners, LLC (c/o Philip Gitlen, Esq.) (w/enclosure)
John Benson, Barton & Loguidice (w/o enclosure)
Anthony Scala, Upstate Laboratories, Inc. (w/o enclosure)

Table of Contents

RECEIVED
NYSDEC
SEP 0 2 2008
Bureau of Hazardous Waste & Radiation Management
Division of Solid & Hazardous Materials

		Page
1.0	INTRODUCTION	1
2.0	CAMU GROUNDWATER PERFORMANCE MONITORING	2
2.1	Monitoring Well Inspection	2
2.2	Groundwater Monitoring Work	2
	(a) Groundwater Contour Map	3
	(b) Groundwater Sampling & Analysis	3
	(c) Groundwater Monitoring Results	3

List of Figures

Figure 1 Groundwater Contour Map

List of Tables

Table 1 Groundwater Monitoring Schedule

Table 2 Groundwater Level Data

Table 3 Groundwater Analytical Data

List of Appendices

Appendix A Field Sampling Data Sheets/Chain of Custody Record

Appendix B Analytical Laboratory Report (Upstate Laboratories, Inc.)

1.0 INTRODUCTION

This report presents the results of the June 2008 groundwater monitoring performed at the Corrective Action Management Unit (CAMU) located at the former Wabash Aluminum Alloys, LLC (Wabash) facility located at 6223 Thompson Road, East Syracuse, Onondaga County, New York (Site). The Plant #2 portion of the site is now owned by Metalico Syracuse Realty, Inc. (MSR), and Thompson Corners, LLC owns the Plant #1 portion of the Site,

Metalico Aluminum Recovery, Inc. (MARI) currently operates a scrap metal recycling facility and a secondary aluminum smelting operation at the MSR portion of the site. By agreement with Wabash, MARI assumed "Wabash's obligations to conduct ongoing environmental monitoring and testing at the Site" under a Consent Order with the New York State Department of Environmental Conservation (NYSDEC) that was entered into by Roth Bros. Smelting Corp. (Index # C7-0001-94-10), the owner of the Site at the time the CAMU was constructed. To satisfy this contractual obligation, MARI retained Barton & Loguidice, a local engineering firm, to prepare this report.

This report has been prepared in accordance with the site Operations and Maintenance Plan (Malcolm Pirnie, 1997) and the subsequent Sampling & Analysis Plan revisions [Appendix D to the Operations and Maintenance Plan] as a result of letter correspondence with NYSDEC in 2002.

Samples were collected from ten monitoring wells by personnel from Upstate Laboratories, Inc., East Syracuse, New York. Nine wells were sampled on June 5, 2008, and one well was sampled on June 16, 2008. All samples collected were submitted to and analyzed by Upstate Laboratories Inc.

Figure 1 shows the location of the Plant #1 and Plant #2 properties. The asphalt-paved CAMU area is located north of Plant #2. The locations of the wells associated with the CAMU groundwater performance monitoring, are included on Figure 1.

Groundwater sampling was performed on a quarterly basis prior to June 2005 after which semi-annual monitoring commenced. This report addresses the data generated from the June 2008 groundwater monitoring.

2.0 CAMU GROUNDWATER PERFORMANCE MONITORING

2.1 Monitoring Well Inspection

The following monitoring wells are sampled as part of the CAMU Groundwater Monitoring Performance Program (see Figure 1):

B291	B281	B290	B107	B108
B401	B402R	B403	B404	MW-8R

Over the course of time, several CAMU monitoring wells have been inadvertently damaged, destroyed, or needed maintenance, including:

- Monitoring well B280, formerly located north of the CAMU, was destroyed in September 2000. Based on its adjacent location, monitoring well B291 replaced monitoring well B280.

- Between the June 2004 and September 2004 sampling events, monitoring well B402 was destroyed. Monitoring well B402R was installed in November 2005 and began to be sampled for the December 2005 sampling event. The destroyed well (B402) was properly decommissioned using a rotary drilling rig on April 24, 2007.

- Monitoring well MW-8, installed as part of the 2001 Groundwater Investigation, was destroyed during construction of scrap yard improvements. Subsequently, monitoring well MW-8R was installed adjacent to the MW-8 location for inclusion in the CAMU Groundwater Performance Monitoring Program. The wellhead for monitoring well MW-8R was replaced on April 24, 2007 due to deterioration.

- On April 24, 2007, the area surrounding well B291 was cleared of vegetation, and the existing damaged flush-mounted well cover was removed and replaced with a stick-up-type protective casing installed in a concrete base. The wellhead was vertically surveyed relative to well B402R, with the new reference elevation being calculated at 410.86. A new, lockable well plug was installed in the well opening.

All of the CAMU wells were sampled on June 5, 2008 except for MW B107, which was not located at that time. MW B107 was sampled on June 16, 2008.

2.2 Groundwater Monitoring Work

This section sets forth the field and laboratory procedures that were followed during this groundwater sampling event. Table 1 provides a summary of the sampling frequency and the analytical parameters for each monitoring well for the CAMU groundwater monitoring program that began in 1998.

(a) Groundwater Contour Map

Prior to the sampling of the groundwater monitoring wells, the static water level of each monitoring well was measured. This work was performed using an electronic water level sensor capable of measuring to an accuracy of +/- 0.01 foot. The water level probe was decontaminated between wells by washing in an Alconox/water solution and rinsing with distilled water.

Figure 1 presents a groundwater contour map that reflects the water level data, which is set forth in Table 2. Table 2 also includes water level data for the three (3) prior groundwater sampling events.

The map indicates that the general groundwater flow direction at the Site is to the northeast toward the South Branch of Ley Creek. This finding is consistent with historical contour data.

(b) Groundwater Sampling & Analysis

Each of the monitoring wells was purged prior to sampling. Water surface elevations and field parameters (pH and Specific Conductance) were measured after purging and immediately prior to sample collection.

Purging of the monitoring wells was conducted using a low-flow peristaltic pump with dedicated tubing at each location. Purging was performed until a minimum of three (3) well volumes were removed or until the well went dry. Groundwater samples were collected after purging and recharge, also utilizing the low-flow peristaltic pump. Collected samples were then placed into clean coolers and kept on ice at 4°C until delivered to the lab.

Appendix A includes the field sampling data sheets and chain of custody record associated with this round of groundwater sampling.

(c) Groundwater Monitoring Results

Table 3 provides an historical summary of the analytical data for this project, including the results of the June 2008 groundwater monitoring. Appendix B contains the analytical laboratory reports prepared by Upstate Laboratories, Inc. (NYSDOH Laboratory I.D. # 10170). Data are highlighted, as appropriate, to indicate detected concentrations that exceed the following NYSDEC Class GA Groundwater Standards:

Parameter	Class GA Standard
pH	6.5 – 8.5 Std. Units
Lead	0.025 mg/l
Arsenic	0.025 mg/l
Barium	1.00 mg/l
Aroclor 1016	0.09 ug/l*
Aroclor 1221	0.09 ug/l*
Aroclor 1232	0.09 ug/l*

Aroclor 1242	0.09 ug/l*
Aroclor 1248	0.09 ug/l*
Aroclor 1254	0.09 ug/l*
Aroclor 1260	0.09 ug/l*

Notes: * = Limit applies to sum of all Aroclors

The results of the June 2008 sampling event indicate that the groundwater quality conditions at the CAMU have remained consistent since the last monitoring event and appear to directly correspond with historical groundwater quality data. The following sections summarize the analytical data collected during this sampling event:

pH - There were no pH exceedances noted for the June 2008 monitoring event.

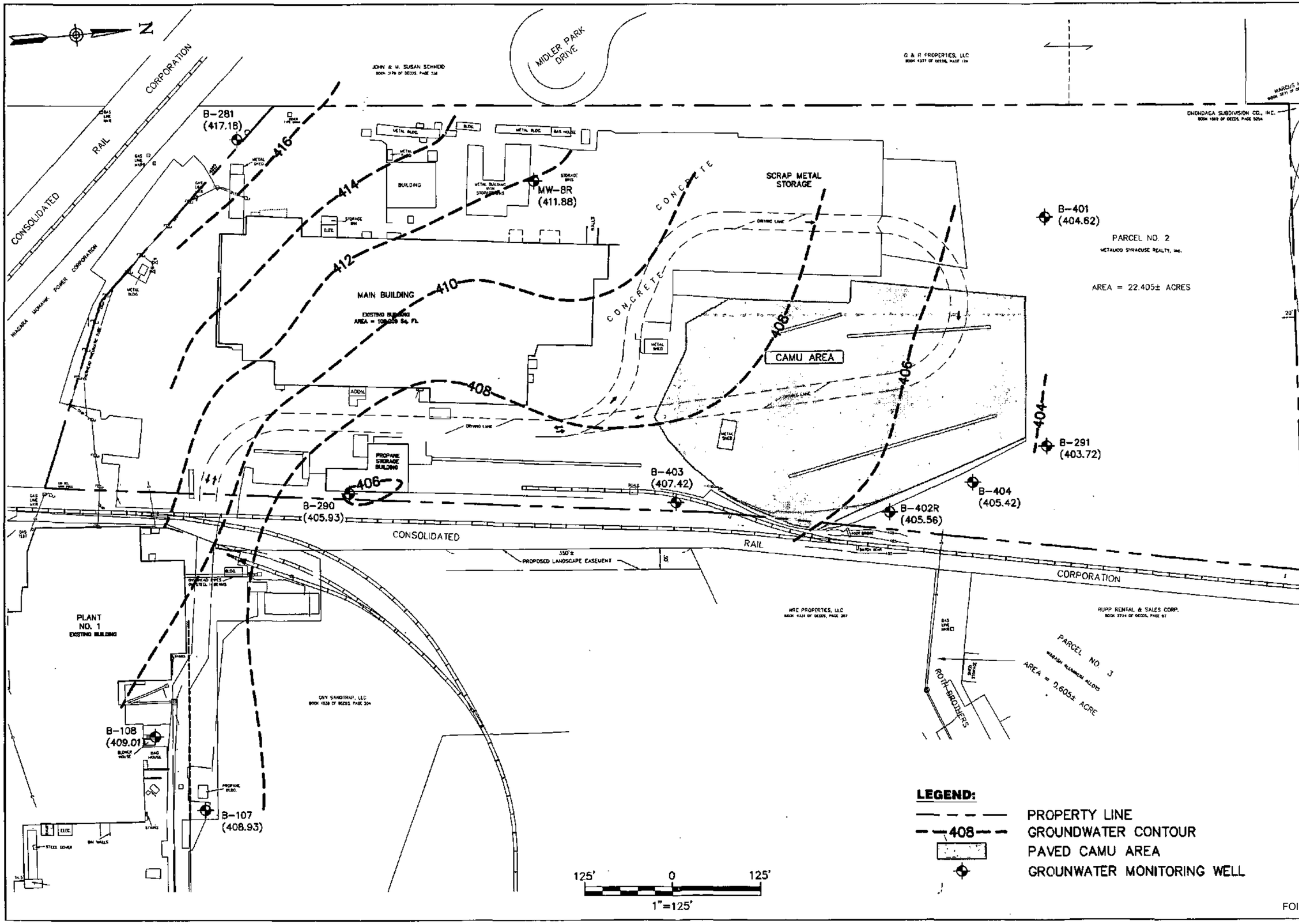
PCBs - Monitoring well MW-8R exhibited levels of Aroclor 1254 that exceeded the Class GA Groundwater Standard (0.09 ug/l) with a concentration of 6.4 ug/1. The detection of this Aroclor at this location has consistently been observed with some degree of fluctuation since 2002. There were no other PCB Aroclor detections on site for the wells sampled.

Total & Dissolved Lead - Monitoring well MW 8R & MW402R exhibited total lead concentrations of 0.210 & 0.033 mg/l respectively for the June 2008 event. These values exceed the class GA Standard of 0.025 mg/1. Dissolved lead for these wells was not detected (<0.003 mg/l). There were no other lead concentrations reported above the GA standard.

Total & Dissolved Barium - Monitoring well B108 exhibited a total barium concentration level of 2.8 mg/l for the June 2008 event, which exceeds the class GA Standard of 1.0 mg/l. Dissolved barium for this well was reported below the standard at 0.56 mg/l. There were no other barium concentration values reported above the GA standard.

Total & Dissolved Arsenic - Monitoring well B281 exhibited a total arsenic concentration level of 0.050 mg/l for the June 2008 event, which exceeds the class GA Standard of 0.025 mg/l. Dissolved arsenic for this well was reported as ND or not detected (< 0.010 mg/l). There were no other arsenic concentration values reported above the GA standard.

FIGURES



METALICO ALUMINUM RECOVERY, INC.
FACILITY NO. 7102372

GROUNDWATER CONTOUR MAP

ONONDOGA COUNTY, NEW YORK

EAST SYRACUSE

Barton & Loguidice, P.C.

Date
AUGUST, 2008

Scale
1" = 125'

Figure Number
1

Project Number
1206.001-S

FOIL208679

Plotted: Aug 20, 2008 - 8:33AM SYR By: jgs
t:\Shared\1200\1206001-S\1206001_GW CONTS.dwg

TABLES

Table 1
Groundwater Monitoring Schedule

Sampling Frequency	Parameter	Analytical Method	MDL	Well Locations
Annually (June)	Arsenic (Total & Dissolved)	EPA Method 6010	4 ug/l	B281 B291
	Barium (Total & Dissolved)	EPA Method 6010	2 ug/l	B107 B108 B281
Semi-Annual (June & December)	Lead (Total & Dissolved)	EPA Method 6010	3 ug/l	B281 B290 B291 B401 B402R B403 B404 MW-8R
	PCB's	EPA Method 8082	0.050 ug/l	B281 B290 B291 B401 B402R B403 B404 MW-8R

Table 2
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Groundwater Elevation Data

Monitoring Well	B107		B108		B281		B290		B291		B401	
WELL DEPTH (FT):	-		9.85		13.03		10.26		12.54		13.03	
REFERNCE ELEVATION:	*410.61*		*411.80*		*423.39*		*414.61*		*410.86*		*413.54*	
DATE	ELEVATION	SWL	ELEVATION	SWL	ELEVATION	SWL	ELEVATION	SWL	ELEVATION	SWL	ELEVATION	SWL
05-Jun-08	408.93	1.68	409.01	2.79	417.18	6.21	404.35	10.26	403.72	7.14	404.62	8.92
31-Dec-07	NS	NS	408.95	2.85	416.66	6.73	409.77	4.84	404.73	6.13	408.33	5.21
29-Jun-07	408.95	1.66	408.95	2.85	416.44	6.95	410.38	4.23	401.96	8.90	404.83	8.71
19-Dec-06	NS	NS	NS	NS	420.25	3.14	409.57	5.04	404.43	6.43	407.30	6.24

Table 2
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Groundwater Elevation Data

Monitoring Well	B402R		B403		B404		8R	
WELL DEPTH (FT):	12.24		11.26		16.14		10.00	
REFERNCE ELEVATION:	409.44		411.05		410.77		415.30	
DATE	ELEVATION	SWL	ELEVATION	SWL	ELEVATION	SWL	ELEVATION	SWL
05-Jun-08	405.56	3.88	407.42	3.63	405.42	5.35	411.88	3.42
31-Dec-07	406.97	2.47	408.08	2.97	407.27	3.50	412.45	2.85
29-Jun-07	405.32	4.12	407.20	3.85	404.27	6.50	411.93	3.37
19-Dec-06	405.47	3.97	408.01	3.04	406.76	4.01	412.00	3.30

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table - (Monitoring Well B107)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B-107	Jun-00	-	-	7.46	1046	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.10**
	Jul-00	-	-	7.57	916	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Aug-00	-	-	7.81	920	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	-	-	7.34	980	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Oct-00	-	-	7.68	834	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Nov-00	-	-	7.87	640	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Feb-01	-	-	7.71	608	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Apr-01	-	-	7.82	960	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	May-01	-	-	7.63	1107	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-02	-	-	7.44	947	-	-	-	-	-	-	-
	Dec-03	-	-	**8.62**	644	-	-	-	-	-	-	-
	Mar-04	-	-	7.81	543	-	-	-	-	-	-	-
	Jun-05	-	-	7.65	623	-	-	-	-	-	-	-
	Jun-07	-	-	7.68	482	-	-	-	-	-	-	-
	Dec-07	Not Sampled- Could Not Locate Well										
	Jun-08	-	-	8.35	674	-	-	-	-	-	-	-

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B108)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B108	Jul-00	-	-	7.21	2620	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Aug-00	-	-	7.33	2750	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	0.002	0.001	7.27	2510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Oct-00	-	-	7.26	2520	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Nov-00	-	-	7.00	2210	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	0.004	< 0.001	7.22	2180	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jan-01	-	-	7.19	2176	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Feb-01		-	7.74	2110	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	< 0.001	< 0.001	7.01	2100	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Apr-01	-	-	6.98	2350	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	May-01	-	-	7.01	1680	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-02	-	-	7.08	254	-	-	-	-	-	-	-
	Dec-03	-	-	**8.52**	1663	-	-	-	-	-	-	-
	Mar-04	-	-	7.55	1546	-	-	-	-	-	-	-
	Jun-05	-	-	7.44	1919	-	-	-	-	-	-	-
	Jun-07	-	-	7.22	1012	-	-	-	-	-	-	-
	Dec-07	-	-	8.21	394	-	-	-	-	-	-	-
	Jun-08	-	-	7.82	224	-	-	-	-	-	-	-

Metalico Aluminum Recovery, Inc.; Syracuse Facility
Table 3
ROTH BROS. SMELTING CORP.
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B281)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B281	Jun-98	< 0.002	< 0.002	6.53	2690	-	-	-	-	-	-	-
	1999	< 0.010	< 0.010	7.47	3120	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	Jun-00	< 0.001	< 0.001	6.72	2630	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	< 0.001	< 0.001	7.02	2560	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	< 0.001	< 0.001	7.28	1956	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	< 0.001	< 0.001	7.24	2020	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-02	< 0.001	< 0.001	-	-	-	-	-	-	-	-	-
	Sep-02	< 0.001	< 0.001	6.86	3000	-	-	-	-	-	-	-
	Dec-02	< 0.001	-	7.03	2060	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-03	< 0.001	< 0.001	7.27	1063	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-03	0.001	< 0.001	7.32	3010	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	< 0.010	< 0.001	7.29	3170	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-03	0.002	0.001	7.27	2170	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-04	< 0.001	< 0.001	7.18	2230	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-04	< 0.001	0.001	7.47	2940	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-04	< 0.001	< 0.001	7.03	2990	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-04	0.004	< 0.001	7.39	1969	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-05	< 0.001	< 0.001	7.48	3000	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-05	< 0.001	< 0.001	7.33	2170	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-05	0.001	< 0.001	7.19	2430	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-06	0.010	< 0.003	7.46	2780	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	0.009	0.024	7.17	2430	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	< 0.003	< 0.003	7.32	778	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	< 0.003	< 0.003	8.71	321	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	< 0.003	< 0.003	8.04	249	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B290)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B290	Jun-98	**41.9**	< 0.020	6.94	2180	-	-	-	-	-	-	-
	1999	< 0.010	**0.720**	7.24	2370	-	-	-	-	-	-	-
	Jun-00	**0.045**	< 0.001	6.87	2410	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	**0.050**	< 0.001	7.42	2120	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	**0.092**	< 0.001	7.01	1784	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	0.007	< 0.001	7.01	1693	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-02	**0.048**	< 0.001	-	-	-	-	-	-	-	-	-
	Sep-02	0.008	< 0.001	6.93	2130	-	-	-	-	-	-	-
	Dec-02	**0.042**	-	7.13	1707	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-03	0.002	< 0.001	7.38	1451	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-03	**0.059**	< 0.001	7.37	2420	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	0.021	< 0.001	7.17	2240	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-03	0.008	0.002	8.08	1322	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-04	< 0.0010	< 0.001	7.49	1590	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-04	0.0010	< 0.001	7.45	1711	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-04	0.0080	< 0.001	7.24	2410	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-04	< 0.0010	0.003	7.41	1822	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-05	0.0130	< 0.001	7.52	2450	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-05	0.0120	< 0.001	7.68	1663	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-05	0.0020	< 0.001	7.17	2600	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-06	0.0230	< 0.003	7.67	1676	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	0.0060	< 0.003	7.26	2430	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	0.0160	0.004	8.10	701	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	0.0186	< 0.003	8.47	1431	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	0.0200	< 0.003	8.27	234	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B291)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B291	Sep-00	0.007	0.001	7.31	877	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	0.001	0.001	7.24	848	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	0.003	< 0.001	7.01	752	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-02	< 0.001	< 0.001	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-02	0.002	< 0.001	7.4	1134	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-03	0.002	< 0.001	7.37	800	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-03	0.003	0.001	7.38	1213	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	< 0.001	< 0.001	7.21	898	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-03	0.008	0.002	**8.81**	804	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-04	0.002	< 0.001	7.31	860	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-04	0.001	< 0.001	7.53	1167	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-04	0.003	< 0.001	7.21	746	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-04	0.001	0.001	7.10	958	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-05	< 0.001	< 0.001	7.18	996	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-05	0.002	0.001	7.36	813	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-05	0.002	< 0.001	7.23	971	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-06	< 0.003	< 0.003	7.09	856	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	< 0.003	< 0.003	6.87	968	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	0.010	0.005	7.58	478	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	< 0.003	< 0.003	**8.62**	650	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	< 0.003	< 0.003	8.21	876	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B401)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B401	Jun-98	0.0124	< 0.002	-	-	-	-	-	-	-	-	-
	1999	0.061	< 0.010	6.69	1510	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-00	0.044	0.003	6.78	1275	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	0.350	0.002	7.29	1159	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	0.059	0.007	7.44	1180	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	0.033	< 0.001	7.26	810	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-02	0.210	< 0.001	-	-	-	-	-	-	-	-	-
	Sep-02	0.060	0.002	7.48	644	-	-	-	-	-	-	-
	Dec-02	0.013	-	7.27	925	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-03	0.024	< 0.001	7.32	781	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-03	0.010	0.003	7.66	1109	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	0.010	0.001	7.15	1126	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-03	0.021	0.002	8.37	791	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-04	0.004	< 0.001	7.48	785	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-04	**0.031**	< 0.001	7.49	1053	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-04	0.005	< 0.001	7.11	1030	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-04	0.002	< 0.001	7.21	937	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-05	0.003	< 0.001	7.36	1038	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-05	0.003	0.001	7.83	814	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-05	0.007	< 0.001	7.18	1066	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-06	**0.042**	< 0.003	7.46	986	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	0.011	< 0.003	**6.39**	502	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	0.008	0.003	7.46	441	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	< 0.003	< 0.003	8.32	691	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	0.017	< 0.003	8.08	930	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B402R)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B402R	Dec-05	**0.2600**	0.001	7.73	3060	< 0.050	< 0.05	< 0.05	< 0.05	< 0.05	**1.20**	< 0.05
	Jun-06	0.0030	< 0.003	8.37	2960	< 0.050	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	**0.0480**	< 0.003	**8.61**	2680	**0.099**	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	**0.1500**	0.010	8.11	1658	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	**0.0423**	< 0.003	8.13	1470	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	**0.0330**	< 0.003	7.33	273	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B403)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B403	Jun-98	**28.40**	< 0.002	7.21	1280	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	1999	**0.240**	0.010	7.36	710	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**0.17**	< 0.01
	Jun-00	0.010	0.004	7.35	402	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	0.007	0.003	8.41	520	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	0.002	0.002	8.12	970	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	0.004	0.003	7.54	415	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-02	< 0.001	< 0.001	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-02	0.005	< 0.001	7.11	456	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-02	0.003	-	7.52	201	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-03	0.002	< 0.001	7.97	200	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-03	0.002	< 0.001	8.03	536	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	0.002	< 0.001	7.61	351	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	0.004	0.001	8.41	235	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-04	0.003	0.002	7.44	296	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-04	0.001	0.002	7.65	681	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-04	0.001	< 0.001	7.23	662	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-04	< 0.001	< 0.001	7.52	613	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-05	< 0.001	< 0.001	7.82	1156	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-05	0.003	0.002	7.64	1135	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-05	0.002	0.001	7.18	1372	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-06	< 0.003	< 0.003	7.36	1479	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	< 0.003	< 0.003	7.85	1719	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	< 0.003	0.005	8.41	822	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	< 0.003	< 0.003	**8.61**	913	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	< 0.003	< 0.003	8.25	1121	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well B404)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
B404	Jun-98	0.0071	0.0027	**10.55**	2380	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	1999	< 0.010	< 0.010	6.72	1740	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**0.17**	< 0.01
	Jun-00	0.004	0.002	6.97	1573	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-00	0.002	0.002	7.32	1114	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-00	0.003	< 0.001	7.47	589	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-01	0.003	0.003	7.54	610	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-02	< 0.001	< 0.001	-	-	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-02	0.003	< 0.001	7.09	731	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-02	0.003	-	7.33	374	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-03	< 0.001	< 0.001	7.61	272	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-03	0.002	< 0.001	7.63	544	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-03	0.001	< 0.001	7.26	526	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-03	0.004	0.002	**9.83**	297	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-04	0.001	0.002	8.14	286	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-04	0.001	< 0.001	**8.55**	516	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Sep-04	0.002	0.001	7.43	559	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-04	< 0.001	< 0.001	7.66	348	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Mar-05	< 0.001	< 0.001	7.28	512	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-05	0.003	< 0.001	7.56	367	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-05	< 0.001	< 0.001	7.14	512	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-06	< 0.003	< 0.003	7.46	523	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-06	< 0.003	< 0.003	6.89	474	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Jun-07	0.006	0.004	7.24	365	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-07	< 0.003	< 0.003	7.24	365	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00
	Jun-08	0.009	< 0.003	8.07	618	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Corrective Action Management Unit (CAMU)
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table (Monitoring Well 8R)

		Total Lead	Dissolved Lead	pH	Specific Conductivity	Aroclors						
						1016	1221	1232	1242	1248	1254	1260
Units		mg/l	mg/l	s.u.	us/cm	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l	µg/l
Class GA Standard		0.025	0.025	6.5-8.5	NA	0.09	0.09	0.09	0.09	0.09	0.09	0.09
8R	Sep-02	0.004	0.001	**9.21**	933	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
	Dec-02	0.002	-	**9.62**	567	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**2.6**	< 0.05
	Mar-03	0.001	0.002	**8.82**	551	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.3**	< 0.05
	Jun-03	0.002	0.002	**8.59**	726	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.25**	< 0.05
	Sep-03	0.002	< 0.001	8.05	441	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**5.9**	< 0.05
	Dec-03	0.004	0.002	8.37	576	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**3.6**	< 0.05
	Mar-04	0.002	< 0.001	7.91	531	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**2.60**	< 0.05
	Jun-04	0.002	< 0.001	8.06	332	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.32**	< 0.05
	Sep-04	< 0.001	0.002	7.14	811	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00	< 5.00
	Dec-04	0.009	< 0.001	7.36	996	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.98**	< 0.05
	Mar-05	< 0.001	< 0.001	7.76	1158	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**1.20**	< 0.05
	Jun-05	0.002	0.001	8.00	402	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**3.30**	< 0.05
	Dec-05	0.001	0.001	7.67	893	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.63**	< 0.05
	Jun-06	0.004	< 0.003	8.39	239	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**0.92**	< 0.05
	Dec-06	**0.210**	< 0.003	7.46	549	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**9.30**	< 0.05
	Jun-07	0.006	< 0.003	8.48	449	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**3.90**	< 0.05
	Dec-07	< 0.003	< 0.003	8.47	1113	< 1.00	< 1.00	< 1.00	< 1.00	< 1.00	**0.70**	< 1.00
	Jun-08	**0.210**	< 0.003	7.81	1459	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	**6.40**	< 0.05

Table 3
ROTH BROS. SMELTING CORP.
Groundwater Performance Monitoring
Historical Laboratory Analytical Summary Table
(Arsenic & Barium)

		Arsenic (Total)	Arsenic (Dissolved)	Barium (Total)	Barium (Dissolved)
Units		mg/l	mg/l	mg/l	mg/l
Class GA Standard		*0.025*	*0.025*	*1.0*	*1.0*
B107	Jun-00	-	-	<0.30	<0.30
	Sep-02	-	-	0.31	0.34
	Dec-03	-	-	0.40	0.40
	Mar-04	-	-	0.50	0.30
	Jun-05	-	-	0.34	0.34
	Jun-07	-	-	0.71	0.65
	Dec-07	-	-	NS	NS
	Jun-08	-	-	0.80	0.81
B108	Sep-02	-	-	0.73	0.78
	Dec-03	-	-	0.40	1.0
	Mar-04	-	-	0.50	0.40
	Jun-05	-	-	0.73	0.70
	Jun-07	-	-	**1.30**	0.49
	Dec-07	-	-	**1.34**	0.30
	Jun-08	-	-	**2.80**	0.56
B291	Jun-02	0.012	<0.010	-	-
	Sep-02	<0.010	<0.010	-	-
	Dec-03	0.012	<0.010	-	-
	Mar-04	0.02	0.016	-	-
	Jun-05	<0.01	<0.01	-	-
	Jun-07	<0.010	<0.010	-	-
	Dec-07	<0.010	<0.010	-	-
	Jun-08	<0.010	<0.010	-	-
B281	Jun-02	**0.037**	0.017	-	-
	Sep-02	0.023	<0.010	<0.03	<0.03
	Dec-03	0.017	<0.001	<0.3	<0.3
	Mar-04	**0.031**	0.017	<0.3	<0.3
	Jun-05	0.016	0.011	<0.3	<0.3
	Jun-07	**0.028**	<0.010	<0.3	<0.3
	Dec-07	**0.064**	<0.010	<0.5	<0.5
	Jun-08	**0.050**	<0.010	<0.5	<0.5

APPENDIX A

APPENDIX A

Upstate Laboratories, Inc. Ground water Field Log File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **B-107**

Lab ID No. (enter by lab)

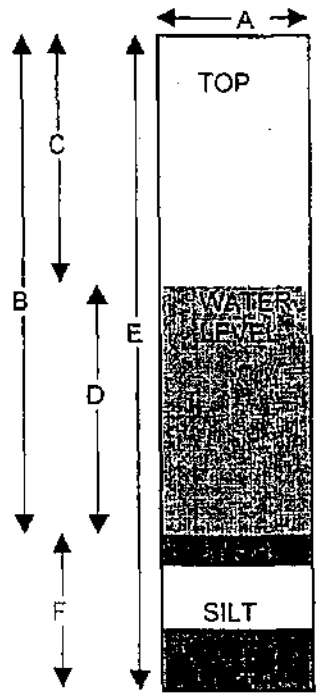
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:-

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured		feet
C.	Depth to Water		feet
D.	Length of Water Column (calculated)		feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)		gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated		gallons
	Actual Volume Evacuated		gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	12:33	
EH		
Temperature		
pH		
Specific Cond.		
Turbidity		
Dissolved Oxygen		
Appearance		

% Recharge:

Initial Depth to Water _____ feet

Recharge Depth to Water _____ feet

2nd water column height _____ %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W Elevation =Top of Case Elev-Total Depth

Weather:

Observations: Could not find well

(~~well removed~~) [illegible] 07.03.08

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208697

Upstate Laboratories, Inc. Ground water Field Log File: TS-30-01 Revised: 2/97

Client: Metallico

Project: Semi-Annual

Well ID.: B-107

ULI ID No. (enter by lab):

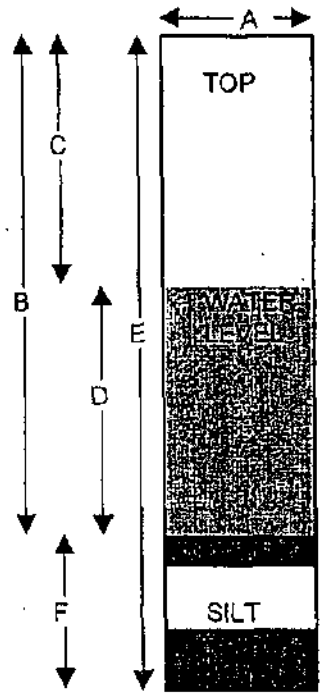
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured		feet
C.	Depth to Water	1.68	feet
D.	Length of Water Column (calculated)		feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)		gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated		gallons
	Actual Volume Evacuated		gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/16/2008	6/16/2008
Time	12:00 PM	12:20 PM
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.55	8.35
Specific Cond.	714	674
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	N/A	N/A

% Recharge:

Initial Depth to Water feet

Recharge Depth to Water feet

2nd water column height %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 70*F SUNNY 70*F SUNNY

Observations:

Sampler: RICK KUHN

Signature: Rick Kuhn

FOIL208698

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: Metallico

Project: Semi-Annual

Well ID.: B-108

ULI ID No. (enter by lab)

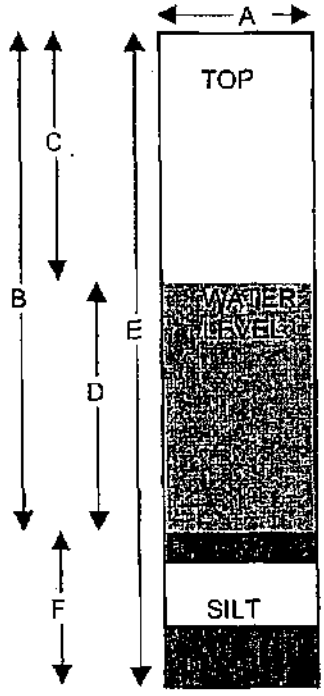
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	9.85	feet
C.	Depth to Water	2.79	feet
D.	Length of Water Column (calculated)	7.06	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.13	gallons
	No. of Volumes to be Evacuated	x3	------
	Total Volume to be Evacuated	3.39	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	12:20p	3:27
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.72	7.82
Specific Cond.	231	224
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Sl. Cloudy	Sl. Cloudy

% Recharge:

Initial Depth to Water	2.79	feet
Recharge Depth to Water	3.11	feet
2nd water column height		%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80' sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208699

Upstate Laboratories, Inc. Ground water Field Log File: TS-30-01 Revised: 2/97

Client: Metallico

Project: Semi-Annual

Well ID.: B-281

FOIL ID No. (enter by lab)

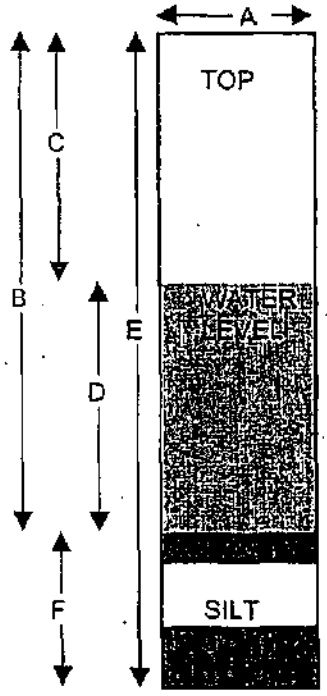
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.03	feet
C.	Depth to Water	6.21	feet
D.	Length of Water Column (calculated)	6.82	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.0912	gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated	3.2736	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	1210	3:08
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.93	8.04
Specific Cond.	277	249
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy / Sl. orange	Sl. Cloudy

% Recharge:

Initial Depth to Water	6.21	feet
Recharge Depth to Water	6.58	feet
2nd water column height		%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80 sunny

Observations: MSD

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208700

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **B-290**

Unit ID No. (enter by lab):

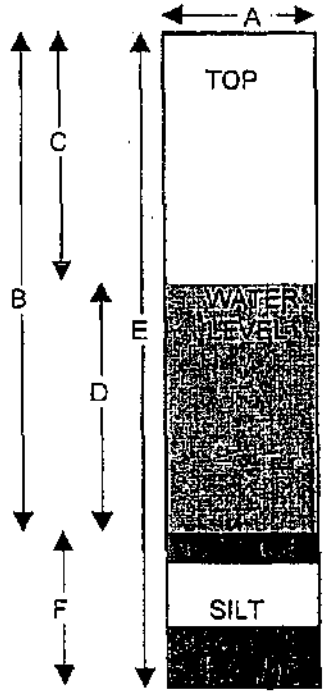
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10.26	feet
C.	Depth to Water	8.68	feet
D.	Length of Water Column (calculated)	1.58	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	.2528	gallons
	No. of Volumes to be Evacuated	x3	------
	Total Volume to be Evacuated	.7584	gallons
	Actual Volume Evacuated	1	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	11:50am	2:52
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.17	8.27
Specific Cond.	232	284
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy/orange	Cloudy/orange

% Recharge:

Initial Depth to Water	8.68	feet
Recharge Depth to Water	9.24	feet
2nd water column height		%
1st water column height		
Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80° Sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208701

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **B-291**

SULI ID No. (enter by lab)

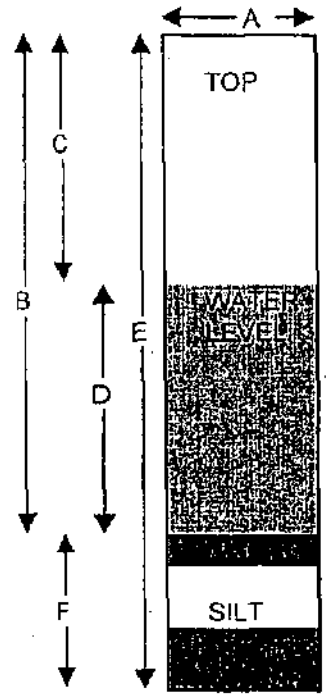
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.54	feet
C.	Depth to Water	7.14	feet
D.	Length of Water Column (calculated)	5.4	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	.864	gallons
	No. of Volumes to be Evacuated	x3	----
	Total Volume to be Evacuated	2.592	gallons
	Actual Volume Evacuated	2.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	10:30	1:58
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.16	8.21
Specific Cond.	886	876
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy	Sl. Cloudy

% Recharge:

Initial Depth to Water 7.14 feet

Recharge Depth to Water 7.28 feet

2nd water column height %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208702

Upstate Laboratories, Inc. Ground water Field Log File: TS-30-01 Revised: 2/97

Client: Metallico

Project: Semi-Annual

Well ID.: B-401

ULID No. (enter by lab)

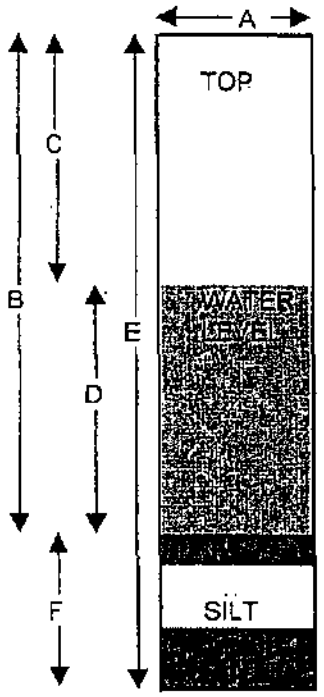
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	13.03	feet
C.	Depth to Water	8.92	feet
D.	Length of Water Column (calculated)	4.11	feet
	Conversion Factor	X.16	----
	Well Volume (calculated)	.6576	gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated	1.9728	gallons
	Actual Volume Evacuated	2	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	10:06	1:39
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.16	8.08
Specific Cond.	916	930
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy / Brown	Cloudy

% Recharge:

Initial Depth to Water 8.92 feet

Recharge Depth to Water 9.27 feet

2nd water column height %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **B-402R**

Unit ID No. (enter by lab):

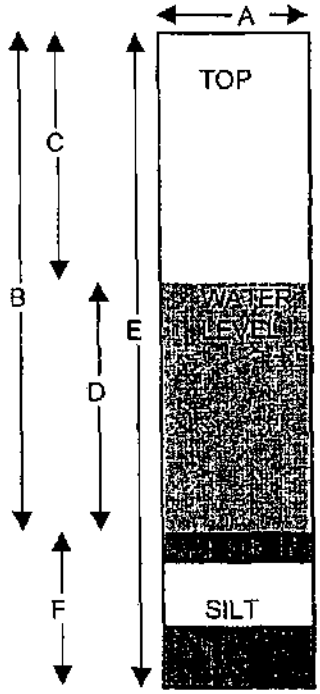
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	12.24	feet
C.	Depth to Water	3.88	feet
D.	Length of Water Column (calculated)	8.36	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.3376	gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated	4.0128	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	11:02	2:25
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.26	7.33
Specific Cond.	266	273
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy/Gray	Sl. Cloudy

% Recharge:

Initial Depth to Water	3.88	feet
Recharge Depth to Water	4.29	feet
2nd water column height		%
1st water column height		

Elevation(Top of Casing)	N/A	feet
G.W. Elevation=	N/A	feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80° Sunny

Observations: DUPE

Sampler: Justin Gibson

Signature: Justin Gibson

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **B-403**

UL ID No. (enter by lab)

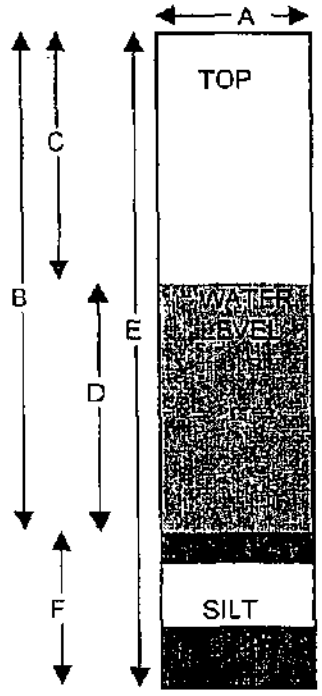
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	11.26	feet
C.	Depth to Water	3.63	feet
D.	Length of Water Column (calculated)	7.63	feet
	Conversion Factor	X.16	------
	Well Volume (calculated)	1.2208	gallons
	No. of Volumes to be Evacuated	x3	------
	Total Volume to be Evacuated	3.6624	gallons
	Actual Volume Evacuated	4	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	11:36	2:42
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.04	8.25
Specific Cond.	1165	1121
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	Cloudy	Sl. Cloudy

% Recharge:

Initial Depth to Water 3.63 feet

Recharge Depth to Water 3.97 feet

2nd water column height %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80 sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208705

Upstate Laboratories, Inc. Ground water Field Log

File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **B-404**

FOILID No.: (enter by lab)

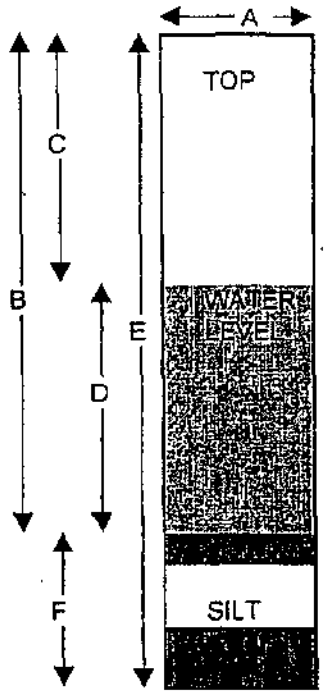
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	16.14	feet
C.	Depth to Water	5.35	feet
D.	Length of Water Column (calculated)	10.79	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.7264	gallons
	No. of Volumes to be Evacuated	x3	------
	Total Volume to be Evacuated	5.1792	gallons
	Actual Volume Evacuated	5.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	11:00	2:10
EH	N/A	N/A
Temperature	N/A	N/A
pH	8.11	8.07
Specific Cond.	595	618
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	very cloudy/orange	cloudy/orange

% Recharge:

Initial Depth to Water 5.35 feet

Recharge Depth to Water 5.65 feet

2nd water column height %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208706

Upstate Laboratories, Inc. Ground water Field Log File: TS-30-01 Revised: 2/97

Client: **Metallico**

Project: **Semi-Annual**

Well ID.: **MW-8R**

ULI ID No. (enter by lab)

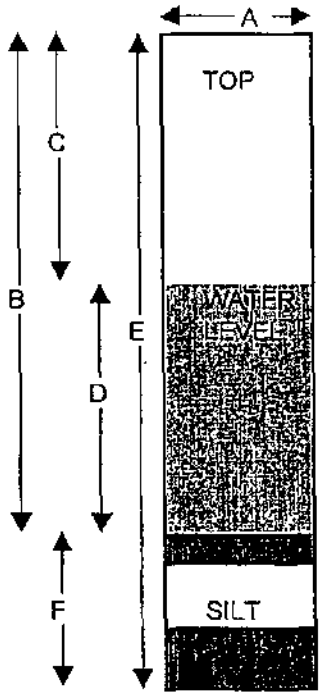
Condition of Well: Good

Locked: YES

Method of Evacuation: Peristolic Pump

Lock ID:

Method of Sampling: Peristolic Pump



A.	Diameter of Well	2"	inches
B.	Well Depth Measured	10	feet
C.	Depth to Water	3.42	feet
D.	Length of Water Column (calculated)	6.58	feet
	Conversion Factor	X.16	-----
	Well Volume (calculated)	1.0528	gallons
	No. of Volumes to be Evacuated	x3	-----
	Total Volume to be Evacuated	3.1584	gallons
	Actual Volume Evacuated	3.5	gallons
E.	Installed Well Depth (if known)	N/A	feet
F.	Depth of Silt (calculated	N/A	feet

Field Measurements	Initial Evacuation	Final Sampling
Date	6/5/2008	6/5/2008
Time	950am	1:20
EH	N/A	N/A
Temperature	N/A	N/A
pH	7.33	7.81
Specific Cond.	1712	1459
Turbidity	N/A	N/A
Dissolved Oxygen	N/A	N/A
Appearance	clear	clear

% Recharge:

Initial Depth to Water 3.42 feet

Recharge Depth to Water 3.67 feet

2nd water column height %

1st water column height

Elevation(Top of Casing) N/A feet

G.W. Elevation= N/A feet

G.W.Elevation =Top of Case Elev-Total Depth

Weather: 80° sunny

Observations:

Sampler: Justin Gibson

Signature: Justin Gibson

FOIL208707

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: METALICO
Project # / Project Name: SEMI-ANNUAL METALICO WELLS
Client Contact: JENNIFER MEGNIN
Phone #:
Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only 1108061 12	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-8R	6/5/08	1:20pm	H2O	GRAB	1	3	X	X	X							X	
B281	6/5/08	3:08pm	H2O	GRAB	2	5			X	X	X					X	MS/MSD
B290	6/5/08	2:52pm	H2O	GRAB	3	3	X	X	X							X	
B291	6/5/08	1:58pm	H2O	GRAB	4	3			X					X	X	X	
B401	6/5/08	1:39pm	H2O	GRAB	5	3	X	X	X							X	
B402(R) ems 07-03-08	6/5/08	2:25pm	H2O	GRAB	6	3	X	X	X							X	
B403	6/5/08	2:42pm	H2O	GRAB	7	3	X	X	X							X	
B404	6/5/08	2:10pm	H2O	GRAB	8	3	X	X	X							X	
B107	6/5/08	12:33pm	H2O	GRAB		0						X	X			X	Well removed
B108	6/5/08	3:27pm	H2O	GRAB	9	2						X	X			X	
B402(R) ems 07-03-08 DUPE	6/5/08	2:25pm	H2O	GRAB	10	3	X	X	X								
EQUIPMENT BLANK	6/5/08	8:00am	H2O		11	3	X	X	X								
FILTER BLANK			H2O			0											

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	T-AS,BA,PB*	PLASTIC	500 ML	HNO3
5	D-AS,BA,PB*	PLASTIC	500 ML	HNO3
6	T-BA	PLASTIC	500 ML	HNO3
7	D-BA	PLASTIC	500 ML	HNO3
8	T-AS,PB*	PLASTIC	500 ML	HNO3
9	D-AS,PB*	PLASTIC	500 ML	HNO3
10	FIELD PH, COND	N/A	N/A	N/A

Sampled by (Print): Justin Gibson
Company: ULI
Name of Courier:

Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign)	Date	Time	Received by: (sign)
Relinquished by: (sign) Justin Gibson	Date 6/5/08	Time 4:00pm	Rec'd for Lab by: K Crump

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208708

Upstate Laboratories, Inc. — Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: METALICO
Project # / Project Name: SEMI-ANNUAL METALICO WELLS
Client Contact: JENNIFER MEGNIN
Phone #:
Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-8R			H2O	GRAB	L1088612	3	X	X	X							X	
B281			H2O	GRAB		5			X	X	X					X	MS/MSD
B290			H2O	GRAB		3	X	X	X							X	
B291			H2O	GRAB		3			X					X	X	X	
B401			H2O	GRAB		3	X	X	X							X	
B402 (R) RMS 07-07-08			H2O	GRAB		3	X	X	X							X	
B403			H2O	GRAB		3	X	X	X							X	
B404			H2O	GRAB		3	X	X	X							X	
B107	6/16/08	12 20p	H2O	GRAB	12	2						X	X			X	
B108	↓	12 50p	H2O	GRAB		2						X	X			X	RK
DUPE			H2O	GRAB		3											
EQUIPMENT BLANK			H2O			3											
FILTER BLANK			H2O			1											

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	T-AS,BA,PB*	PLASTIC	500 ML	HNO3
5	D-AS,BA,PB*	PLASTIC	500 ML	HNO3
6	T-BA	PLASTIC	500 ML	HNO3
7	D-BA	PLASTIC	500 ML	HNO3
8	T-AS,PB*	PLASTIC	500 ML	HNO3
9	D-AS,PB*	PLASTIC	500 ML	HNO3
10	FIELD PH, COND	N/A	N/A	N/A

Sampled by (Print): Rick Kuhn
Company: ULI

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
[signature]	6/16/08	1:05p	[signature]

Name of Courier:

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208709

APPENDIX B

Upstate Laboratories, Inc.

Shipping: 6034 Corporate Dr. * E. Syracuse, NY 13057-1017 * (315) 437-0255 * Fax (315) 437-1209
Mailing: Box 169 * Syracuse, NY 13206
Albany (518) 459-3134 * Binghamton (607) 724-0478 * Buffalo (716) 649-2533
Rochester (866) 437-0255 * New Jersey (908) 892-1807

Ms. Jennifer Megnin
Metalico Syracuse, Inc.
P.O. Box 88
East Syracuse, NY 13057

Monday, June 30, 2008

RE: Analytical Report:
Semi-Annual Metalico Wells

Order No.: U0806112

Dear Ms. Jennifer Megnin:

Upstate Laboratories, Inc. received 12 sample(s) on 6/16/2008 for the analyses presented in the following report.

All analytical results relate to the samples as received by the laboratory.

All analytical data conforms with standard approved methodologies and quality control. Our quality control narrative will be included should any anomalies occur.

We have included the Chain of Custody Record as part of your report. You may need to reference this form for a more detailed explanation of your samples. Samples will be disposed of approximately one month from final report date.

Should you have any questions regarding these tests, please feel free to give us a call.

Thank you for your patronage.

Sincerely,

UPSTATE LABORATORIES, INC.

Anthony J. Scala

Anthony J. Scala
President/CEO

cc:
D. Hanny, Barton & Loguidice, PC: copy report

Confidentiality Statement: This report is meant for the use of the intended recipient. It may contain confidential information, which is legally privileged or otherwise protected by law. If you have received this report in error, you are strictly prohibited from reviewing, using, disseminating, distributing or copying the information.

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT: Metalico Syracuse, Inc.
Lab Order: U0806112
Project: Semi-Annual Metalico Wells
Lab ID: U0806112-001

Client Sample ID: MW-8R
Collection Date: 6/5/2008 1:20:00 PM
Matrix: WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	1459	1.0		umhos/cm		6/5/2008 1:20:00 PM
pH	7.81	6.5-8.5		SU		6/5/2008 1:20:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	6.4	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	0.21	0.003		mg/L	1	6/20/2008 12:25:47 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 10:19:20 AM

Approved By: LMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B281
Lab Order:	U0806112	**Collection Date:**	6/5/2008 3:08:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-002	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FLD		Analyst:
Conductivity	249	1.0		umhos/cm		6/5/2008 3:08:00 PM
pH	8.04	6.5-8.5		SU		6/5/2008 3:08:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				SW8082	(SW3510B)	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				E200.7	(E200.7)	Analyst: LJ
Arsenic*	0.050	0.010		mg/L	1	6/20/2008 12:29:16 PM
Barium	ND	0.30		mg/L	1	6/20/2008 12:29:16 PM
Lead*	ND	0.003		mg/L	1	6/20/2008 12:29:16 PM
ICP METALS, DISSOLVED				E200.7	(E200.7)	Analyst: LJ
Arsenic*	ND	0.010		mg/L	1	6/20/2008 10:22:47 AM
Barium	ND	0.30		mg/L	1	6/20/2008 10:22:47 AM
Lead*	ND	0.003		mg/L	1	6/20/2008 10:22:47 AM

Approved By: DMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B290
Lab Order:	U0806112	**Collection Date:**	6/5/2008 2:52:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-003	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	234	1.0		umhos/cm		6/5/2008 2:52:00 PM
pH	8.27	6.5-8.5		SU		6/5/2008 2:52:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	0.20	0.003		mg/L	1	6/20/2008 12:43:16 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 10:36:49 AM

Approved By: MMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B291
Lab Order:	U0806112	**Collection Date:**	6/5/2008 1:58:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-004	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	876	1.0		umhos/cm		6/5/2008 1:58:00 PM
pH	8.21	6.5-8.5		SU		6/5/2008 1:58:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Arsenic*	ND	0.010		mg/L	1	6/20/2008 12:53:42 PM
Lead*	ND	0.003		mg/L	1	6/20/2008 12:53:42 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Arsenic*	ND	0.010		mg/L	1	6/20/2008 10:40:15 AM
Lead*	ND	0.003		mg/L	1	6/20/2008 10:40:15 AM

Approved By: ems **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B401
Lab Order:	U0806112	**Collection Date:**	6/5/2008 1:39:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-005	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FLD		Analyst:
Conductivity	930	1.0		umhos/cm		6/5/2008 1:39:00 PM
pH	8.08	6.5-8.5		SU		6/5/2008 1:39:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				SW8082	(SW3510B)	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				E200.7	(E200.7)	Analyst: LJ
Lead*	0.017	0.003		mg/L	1	6/20/2008 12:57:34 PM
ICP METALS, DISSOLVED				E200.7	(E200.7)	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 10:43:56 AM

Approved By: MMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	Client Sample ID:	B402R
Lab Order:	U0806112	Collection Date:	6/5/2008 2:25:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-006	Matrix:	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				FLD		Analyst:
Conductivity	273	1.0		umhos/cm		6/5/2008 2:25:00 PM
pH	7.33	6.5-8.5		SU		6/5/2008 2:25:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				SW8082	(SW3510B)	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				E200.7	(E200.7)	Analyst: LJ
Lead*	0.033	0.003		mg/L	1	6/20/2008 1:01:02 PM
ICP METALS, DISSOLVED				E200.7	(E200.7)	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 10:54:08 AM

Approved By: UMS Date: 06·30·08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B403
Lab Order:	U0806112	**Collection Date:**	6/5/2008 2:42:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-007	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	1121	1.0		umhos/cm		6/5/2008 2:42:00 PM
pH	8.25	6.5-8.5		SU		6/5/2008 2:42:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 1:04:42 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 10:57:46 AM

Approved By: alms **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B404
Lab Order:	U0806112	**Collection Date:**	6/5/2008 2:10:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-008	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	618	1.0		umhos/cm		6/5/2008 2:10:00 PM
pH	8.07	6.5-8.5		SU		6/5/2008 2:10:00 PM
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	0.009	0.003		mg/L	1	6/20/2008 1:08:08 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 11:01:12 AM

Approved By: DMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B108
Lab Order:	U0806112	**Collection Date:**	6/5/2008 3:27:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-009	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	224	1.0		umhos/cm		6/5/2008 3:27:00 PM
pH	7.82	6.5-8.5		SU		6/5/2008 3:27:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Barium	2.8	0.30		mg/L	1	6/20/2008 1:11:39 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Barium	0.56	0.30		mg/L	1	6/20/2008 11:04:40 AM

Approved By: DMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B402R Dupe
Lab Order:	U0806112	**Collection Date:**	6/5/2008 2:25:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-010	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	0.025	0.003		mg/L	1	6/20/2008 1:15:08 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 11:08:08 AM

Approved By: CMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	Equipment Blank
Lab Order:	U0806112	**Collection Date:**	6/5/2008 8:00:00 AM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-011	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS IN WASTEWATER				**SW8082**	**(SW3510B)**	Analyst: EA
Aroclor 1016	ND	0.050		µg/L	1	6/11/2008
Aroclor 1221	ND	0.050		µg/L	1	6/11/2008
Aroclor 1232	ND	0.050		µg/L	1	6/11/2008
Aroclor 1242	ND	0.050		µg/L	1	6/11/2008
Aroclor 1248	ND	0.050		µg/L	1	6/11/2008
Aroclor 1254	ND	0.050		µg/L	1	6/11/2008
Aroclor 1260	ND	0.050		µg/L	1	6/11/2008
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 1:18:34 PM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Lead*	ND	0.003		mg/L	1	6/20/2008 11:11:32 AM

Approved By: OMS **Date:** 06-30-08

Qualifiers:

*	Low Level	**	Value exceeds Maximum Contaminant Value
B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc.

Analytical Report

Date: *30-Jun-08*

CLIENT:	Metalico Syracuse, Inc.	**Client Sample ID:**	B107
Lab Order:	U0806112	**Collection Date:**	6/16/2008 12:20:00 PM
Project:	Semi-Annual Metalico Wells		
Lab ID:	U0806112-012	**Matrix:**	WATER

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS				**FLD**		Analyst:
Conductivity	674	1.0		umhos/cm		6/16/2008 12:20:00 PM
pH	8.35	6.5-8.5		SU		6/16/2008 12:20:00 PM
ICP METALS, TOTALS				**E200.7**	**(E200.7)**	Analyst: LJ
Barium	0.80	0.30		mg/L	1	6/24/2008 11:53:28 AM
ICP METALS, DISSOLVED				**E200.7**	**(E200.7)**	Analyst: LJ
Barium	0.81	0.30		mg/L	1	6/26/2008 12:04:35 PM

NOTES:
Dissolved value may be higher than total, however, the values are within experimental error.

Approved By: UMS Date: 06-30-08

Qualifiers:	*	Low Level	**	Value exceeds Maximum Contaminant Value
	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	S	Spike Recovery outside accepted recovery limits

Upstate Laboratories, Inc. Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client: METALICO
Project #/ Project Name: SEMI-ANNUAL METALICO WELLS
Client Contact: JENNIFER MEGNIN
Phone #:
Location (city/state) Address: SYRACUSE, NY

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only 1108061 12	Number of Containers	1	2	3	4	5	6	7	8.	9	10	Remarks
MW-8R	6/5/08	1:20pm	H2O	GRAB	1	3	X	X	X							X	
B281	6/5/08	3:08pm	H2O	GRAB	2	5			X	X	X					X	MS/MSD
B290	6/5/08	2:52pm	H2O	GRAB	3	3	X	X	X							X	
B291	6/5/08	1:58pm	H2O	GRAB	4	3			X					X	X	X	
B401	6/5/08	1:39pm	H2O	GRAB	5	3	X	X	X							X	
B402 (R) ems 07-03-08	6/5/08	2:25pm	H2O	GRAB	6	3	X	X	X							X	
B403	6/5/08	2:42pm	H2O	GRAB	7	3	X	X	X							X	
B404	6/5/08	2:10pm	H2O	GRAB	8	3	X	X	X							X	
B107	6/5/08	12:33pm	H2O	GRAB		0						X	X			X	Well removed
B108	6/5/08	3:27pm	H2O	GRAB	9	2						X	X			X	
B402 (R) ems 07-03-08 DUPE	6/5/08	2:25pm	H2O	GRAB	10	3	X	X	X								
EQUIPMENT BLANK	6/5/08	8:00am	H2O		11	3	X	X	X								
FILTER BLANK			H2O			0											

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	T-AS,BA,PB*	PLASTIC	500 ML	HNO3
5	D-AS,BA,PB*	PLASTIC	500 ML	HNO3
6	T-BA	PLASTIC	500 ML	HNO3
7	D-BA	PLASTIC	500 ML	HNO3
8	T-AS,PB*	PLASTIC	500 ML	HNO3
9	D-AS,PB*	PLASTIC	500 ML	HNO3
10	FIELD PH, COND	N/A	N/A	N/A

Sampled by (Print): Justin Gibson
Company: ULI

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign) Justin Gibson	Date 6/5/08	Time 4:00pm	Rec'd for Lab by: K Crump

Name of Courier:

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208724

Upstate Laboratories, Inc. Chain of Custody Record

6034 Corporate Drive E. Syracuse New York 13057
Phone (315) 437 0255 Fax (315) 437 1209

Client:	Project # / Project Name
METALICO	SEMI-ANNUAL METALICO WELLS
Client Contact: JENNIFER MEGNIN	Location (city/state) Address: SYRACUSE, NY
Phone #	

Sample ID	Date	Time	Matrix	GRAB OR COMP	ULI Internal Use Only ~~L1080611G~~	Number of Containers	1	2	3	4	5	6	7	8	9	10	Remarks
MW-8R			H2O	GRAB	L1080611G	3	X	X	X							X	
B281			H2O	GRAB		5			X	X	X					X	MS/MSD
B290			H2O	GRAB		3	X	X	X							X	
B291			H2O	GRAB		3			X					X	X	X	
B401			H2O	GRAB		3	X	X	X							X	
B402 (R) RMS 07:03 08			H2O	GRAB		3	X	X	X							X	
B403			H2O	GRAB		3	X	X	X							X	
B404			H2O	GRAB		3	X	X	X							X	
B107	6/16/08	12:20p	H2O	GRAB	12	2						X	X			X	
B108	↓	12:50p	H2O	GRAB		2						X	X			X	RK
DUPE			H2O	GRAB		3											
EQUIPMENT BLANK			H2O			3											
FILTER BLANK			H2O			1											

	Parameter and Method	Sample bottle: Type	Size	Preservative
1	T-PB*	PLASTIC	500 ML	HNO3
2	D-PB*	PLASTIC	500 ML	HNO3
3	PCB (EPA 8082)	GLASS	1000 ML	NONE
4	T-AS,BA,PB*	PLASTIC	500 ML	HNO3
5	D-AS,BA,PB*	PLASTIC	500 ML	HNO3
6	T-BA	PLASTIC	500 ML	HNO3
7	D-BA	PLASTIC	500 ML	HNO3
8	T-AS,PB*	PLASTIC	500 ML	HNO3
9	D-AS,PB*	PLASTIC	500 ML	HNO3
10	FIELD PH, COND	N/A	N/A	N/A

Sampled by (Print): Rick Kuhn
Company: ULI

Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Received by: (sign)
Relinquished by:(sign)	Date	Time	Rec'd for Lab by:
Rick Kuhn	6/16/08	1:05p	[signature]

Syracuse Rochester Buffalo Albany Binghamton Fair Lawn (NJ)

FOIL208725