

New York State Department of Environmental Conservation

Division of Environmental Remediation

Case Narrative

Site Name :Tioga Castings

The following problems were noted during sample analysis.

Initial Calibration – Silver recovery was greater than upper limit. No silver was found greater than reporting limit.

No other problems were noted.

DIVISION OF ENVIRONMENTAL REMEDIATION

LABORATORY ANALYTICAL REPORT

Site Name:TIOGA CASTINGS

Site Code: 754012

Date Received: 4/24/03

Field ID:A975-01

SDG:114-01

Lab Sample ID:703-114-01

Matrix:GW

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	62	U		P
7440-36-0	Antimony	37	U		P
7440-38-2	Arsenic	8	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5	U		P
7440-43-9	Cadminum	5	U		P
7440-70-2	Calcium	47600			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	130	U		P
7440-50-8	Copper	22	U		P
7439-89-6	Iron	130	U		P
7439-92-1	Lead	3	U		P
7439-95-4	Magnesium	7210			P
7439-96-5	Manganese	43	E		P
7439-97-6	Mercury	0.2	NA		CV
7440-02-0	Nickel	990	U		P
7440-09-7	Potassium	4400	B		P
7482-49-2	Selenium	5	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	51000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	20	U		P
7440-66-6	Zinc	210	U		P

DIVISION OF ENVIRONMENTAL REMEDIATION

LABORATORY ANALYTICAL REPORT

Site Name: TIOGA CASTINGS  
 Site Code:754012  
 Date Received: 4/24/03

Field ID: A975-02  
 SDG:114-01  
 Lab Sample ID:703-114-02  
 Matrix:GW

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	62	U		P
7440-36-0	Antimony	37	U		P
7440-38-2	Arsenic	8	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5	U		P
7440-43-9	Cadminum	5	U		P
7440-70-2	Calcium	39400			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	130	U		P
7440-50-8	Copper	22	U		P
7439-89-6	Iron	306			P
7439-92-1	Lead	5.4			P
7439-95-4	Magnesium	6660			P
7439-96-5	Manganese	22	E		P
7439-97-6	Mercury	0.2	NA		CV
7440-02-0	Nickel	990	U		P
7440-09-7	Potassium	3310	E		P
7482-49-2	Selenium	5	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	14400			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	20	U		P
7440-66-6	Zinc	210	U		P

DIVISION OF ENVIRONMENTAL REMEDIATION

LABORATORY ANALYTICAL REPORT

Site Name: TIOGA CASTINGS  
 Site Code:754012  
 Date Received: 4/24/03

Field ID: A975-03  
 SDG:114-01  
 Lab Sample ID:703-114-03  
 Matrix:GW

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	740			P
7440-36-0	Antimony	37	U		P
7440-38-2	Arsenic	8	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5	U		P
7440-43-9	Cadminum	5	U		P
7440-70-2	Calcium	44500			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	130	U		P
7440-50-8	Copper	22	U		P
7439-89-6	Iron	1120			P
7439-92-1	Lead	3	U		P
7439-95-4	Magnesium	7900			P
7439-96-5	Manganese	92	E		P
7439-97-6	Mercury	0.2	NA		CV
7440-02-0	Nickel	990	U		P
7440-09-7	Potassium	1820	E		P
7482-49-2	Selenium	5	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	15300			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	20	U		P
7440-66-6	Zinc	210	U		P

DIVISION OF ENVIRONMENTAL REMEDIATION

LABORATORY ANALYTICAL REPORT

Site Name: TIOGA CASTINGS  
 Site Code:754012  
 Date Received: 4/24/03

Field ID: A975-04  
 SDG:114-01  
 Lab Sample ID:703-114-04  
 Matrix:GW

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	1180			P
7440-36-0	Antimony	37	U		P
7440-38-2	Arsenic	8	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5	U		P
7440-43-9	Cadminum	23			P
7440-70-2	Calcium	43800			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	130	U		P
7440-50-8	Copper	22	U		P
7439-89-6	Iron	1980			P
7439-92-1	Lead	5.4			P
7439-95-4	Magnesium	8130			P
7439-96-5	Manganese	531			P
7439-97-6	Mercury	0.2	NA		CV
7440-02-0	Nickel	990	U		P
7440-09-7	Potassium	1280			P
7482-49-2	Selenium	5	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	15500			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	20	U		P
7440-66-6	Zinc	210	U		P

DIVISION OF ENVIRONMENTAL REMEDIATION

LABORATORY ANALYTICAL REPORT

Site Name: TIOGA CASTINGS

Site Code:754012

Date Received: 4/24/03

Field ID: A975-05

SDG:114-01

Lab Sample ID:703-114-05

Matrix:GW

CAS NO.	ANALYTE	CONCENTRATION	C	Q	M
7429-90-5	Aluminum	2050			P
7440-36-0	Antimony	37	U		P
7440-38-2	Arsenic	8	U		P
7440-39-3	Barium	122	E		P
7440-41-7	Beryllium	5	U		P
7440-43-9	Cadminum	5.5			P
7440-70-2	Calcium	105000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	130	U		P
7440-50-8	Copper	4380			P
7439-89-6	Iron	9380			P
7439-92-1	Lead	300			P
7439-95-4	Magnesium	20900			P
7439-96-5	Manganese	542			P
7439-97-6	Mercury	0.2	NA		CV
7440-02-0	Nickel	990	U		P
7440-09-7	Potassium	3010			
7482-49-2	Selenium	5	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	45700			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	20	U		P
7440-66-6	Zinc	4950	E		P