C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, P.C.

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October 15, 2012

Mr. Michael P. McLean, P.E.
NYS Dept. of Environmental Conservation
Region 5 Office
1115 NYS Route 86, PO Box 296
Ray Brook, New York 12977-0296

Re: 2012 Bi-Annual Site Management Plan Groundwater Sampling Results
Former Independent Leather Tannery Site (#B-00158)
City of Gloversville, Fulton County
C.T. Male Project No. 10.1125

Dear Mike:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Activities, P.C. (C.T. Male Associates) has a performed groundwater sampling event as part of the long term groundwater monitoring program at the Former Independent Leather Tannery Site in Gloversville, New York in accordance with NYSDEC approved Site Management Plan, dated January 13, 2009. This letter summarizes the results of the bi-annual (once every two years) groundwater monitoring event completed in September 2012. Also enclosed is the monitoring well location map, analytical results summary tables, groundwater contour map, and site plan summarizing the concentrations of arsenic and chromium detected in groundwater in September 2012 and previous groundwater monitoring events (July, 2010, July 2008, May 2007, March 2006 and May 2002).

Wells Sampled

The Monitoring Well Location Plan (Figure 1) depicts the monitoring wells that were purged and sampled for laboratory analysis for the July 22 and 23, 2010 monitoring event. The monitoring wells sampled on the Former Independent Leather Tannery Site were B-2R, B-3, MW-5 through MW-12, MW-14 and OFF35. The monitoring well sampled on the property not owned by the City was OFF33. The monitoring wells that have been abandoned or removed as a result of remedial work are still shown on the Monitoring Well Location Plan.

Analytical Results

The analytical results for the September 2012 monitoring event and previous monitoring events are summarized in Table 1, attached. Table 1 summarizes the analytical results for the on-site wells in addition to the one (1) remaining off-site well. Note that the tables list only those compounds and analytes detected above the limit of laboratory detection. Per the NYSDEC, the analytical results were not subjected to data validation per NYSDEC Guidance for the Development of Data Usability Summary Report (DUSR).

As shown in Table 1, naphthalene, and six metals (arsenic, chromium, iron, manganese, and sodium) were the only compounds/analytes detected on-site at concentration which exceed their NYSDEC Water Quality Standard/Guidance Values. Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene, and two metals (iron and sodium) were the only compounds/analytes detected on-site at concentration which exceed their NYSDEC Water Quality Standard/Guidance Values.

Naphthalene was detected above NYSDEC regulatory standards at monitoring well MW-10 in the September 2012 sampling event. The concentration of this petroleum related compound was relatively low (190 ug/L), and has been generally decreasing in concentration since May 2002 with the exception of a slight increase during the July 2010 sampling event. The concentration of naphthalene within monitoring well MW-10 was 1,000 ug/L in May 2002, 690 ug/L in March 2006, 450 ug/L in May 2007, 160 ug/L in July 2008, and 360 ug/L in July 2010.

Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected at relatively low level concentrations above NYSDEC regulatory standards at monitoring well OFF33 (off-site location) in the September 2012 sampling event. These compounds were not detected above the limit of laboratory detection in the July 2010 and July 2008 sampling events, but were similarly detected in the April 2007 sampling event.

Of the metals detected above regulatory value, arsenic and chromium are the main analytes of concern based on their historical use at the former tannery. Arsenic and chromium concentrations continue to fluctuate slightly (increase and decrease), but overall they have been relatively stable over time. Of note, the arsenic concentration at

monitoring well B-3 was at its highest concentration 933 ug/L since sampling of this well began.

A pesticide, endrin, was detected in MW-7 where beta-BHC and delta-BHC were formerly historically detected, with its concentration above its applicable standard value of "non-detect". Endrin has not been detected above the limit of laboratory detection in previous sampling events.

Groundwater Contour and Arsenic/Chromium Concentration Maps

Groundwater depths were collected at the monitoring wells on September 5, 2012 prior to purging the wells. Utilizing the groundwater levels and an assumed benchmark, the water level depths were converted to reference elevations to contour the water table and show the inferred direction of groundwater flow. As shown in Figure 2, the groundwater flow direction on September 5, 2012 is inferred to have both easterly and westerly flow components converging on the Cayadutta Creek.

Remedial actions completed in 2005/2006 removed on-site and off-site arsenic, chromium and petroleum impacted soils; however, residual impacts to soil and groundwater remain on-site. Arsenic and chromium are present in groundwater across the site above and below NYSDEC Water Quality Standards. Figure 3 summarizes the arsenic and chromium concentrations at each well for sampling events completed to date.

Future Bi-Annual Groundwater Sampling

The next bi-annual groundwater sampling event is planned for summer/fall 2014. The wells to be sampled and the associated analytical parameters for each well are summarized in the following table, as previously approved by NYSDEC.

Table 1
Summary of Long Term Groundwater Monitoring Program

Well ID	TCL VOCs	TCL SVOCs	Select Metals (1)	TCL pesticides
On-site Well Locations				
B-2R			X	
B-3			X	
MW-5			X	

Table 1 **Summary of Long Term Groundwater Monitoring Program**				
Well ID	**TCL VOCs**	**TCL SVOCs**	**Select Metals (1)**	**TCL pesticides**
MW-6			X	X
MW-7	X	X	X	X
MW-8			X	
MW-9			X	
MW-10	X	X	X	X
MW-11			X	
MW-12			X	
MW-14			X	
OFF35	X	X	X	
Off-Site Well Locations				
OFF33	X	X	X	

Notes:
"X" denotes the sample will be analyzed for those parameters.
(1) "Certain Metals" are arsenic, chromium, iron, magnesium, manganese and sodium.
(2) Not required per Mike McLean of NYSDEC.
ASP Category B Data Deliverable not required per Mike McLean of NYSDEC.

Conclusions

The annual groundwater monitoring was performed in July 2010 in general accordance with the NYSDEC approved Site Management Plan. The analytical results show that arsenic and chromium remain the primary contaminants of concern as these metals are present in groundwater at certain on-site well locations at concentrations above NYSDEC regulatory values. The arsenic and chromium concentrations remain relatively similar with minimal upward and downward fluctuation.

Naphthalene is a petroleum related compound that was again detected above its applicable groundwater standard at only one (1) monitoring well location, MW-10. The concentration of naphthalene was elevated at monitoring well MW-10 in 2002, but decreased in 2006, 2007 and 2008, slightly rebounded from 160 ug/L in 2008 to 360 ug/L in 2010, but again decreased to 190 ug/L. A few semi-volatile organic compounds (Benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene) were also detected at OFF33 above their regulatory guidance values (not standard values), that were not detected above the limit of

laboratory detection within the July 2010 and July 2008 sampling events, but were detected at similar concentrations as the April 2007 sampling event.

A pesticide, endrin, was detected in MW-7 where beta-BHC and delta-BHC were formerly historically detected, with its concentration above its applicable standard value of "non-detect". Endrin has not been detected above the limit of laboratory detection in previous sampling events.

The groundwater sampling and analyses events will continue on a bi-annual basis (every two years) and the next event will be performed in July 2014. The annual Site Management Plan monitoring (i.e., site visit to observe the condition of the surface cover system) will continue to be performed on an annual basis. The next annual Site Management Plan monitoring event of the surface cover is scheduled for the fall months of 2013.

If you have any questions, please contact me at (518) 786-7548.

Sincerely,
C.T. MALE ASSOCIATES

Jeffrey A. Marx, P.E.
Project Engineer

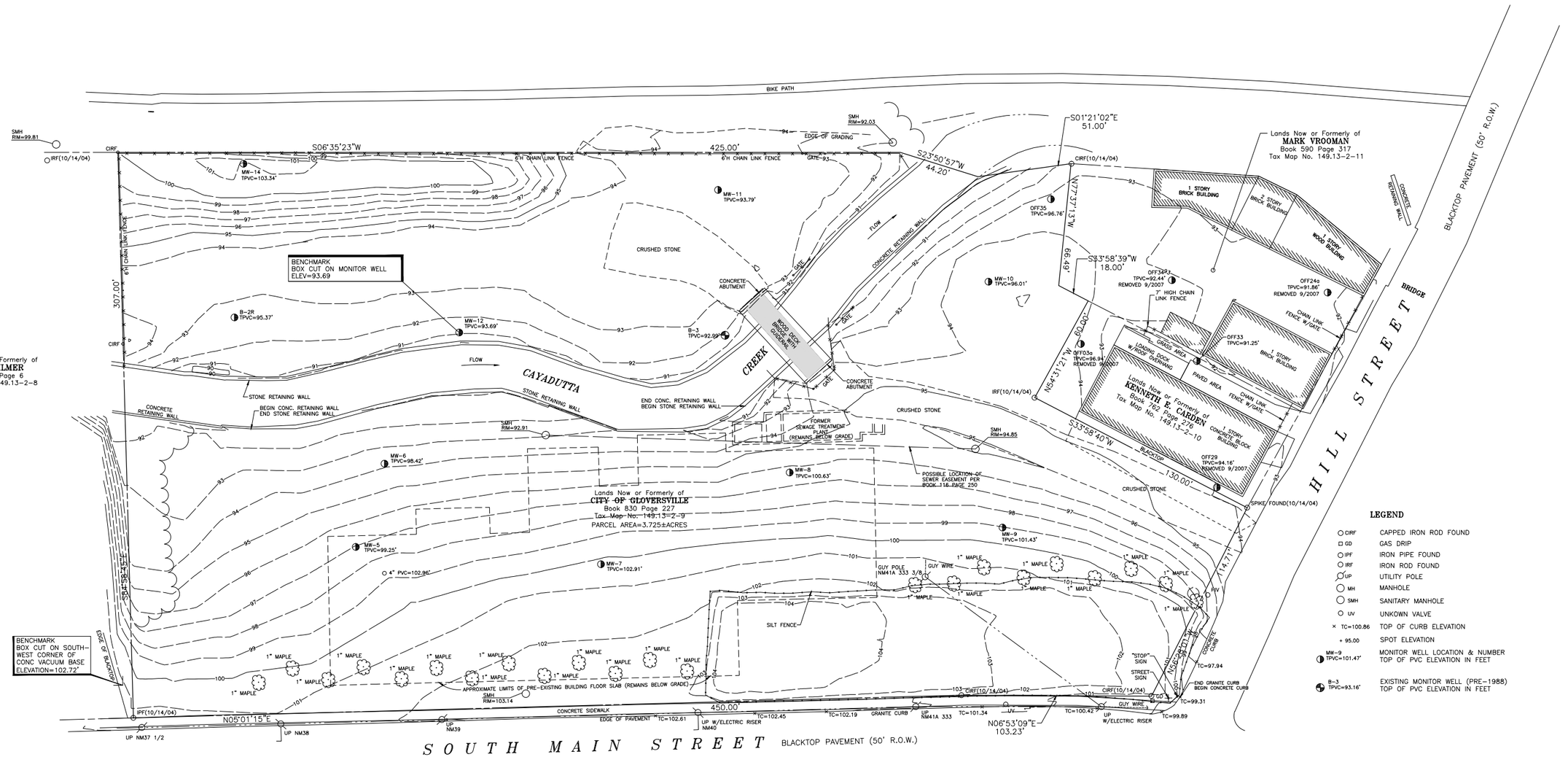
Review and Approved By:

Kirk Moline
Project Manager

Att Figures
Table 1 - Analytical Summary

c: Kevin Jones, City of Gloversville

Figure 1
Monitoring Well Location Map



LEGEND

○ CIRF	CAPPED IRON ROD FOUND
□ GD	GAS DRIP
○ IPF	IRON PIPE FOUND
○ IRF	IRON ROD FOUND
○ UP	UTILITY POLE
◯ MH	MANHOLE
◯ SMH	SANITARY MANHOLE
○ UV	UNKOWN VALVE
× TC=100.86	TOP OF CURB ELEVATION
+ 95.00	SPOT ELEVATION
MW-9 TPVC=101.47'	MONITOR WELL LOCATION & NUMBER TOP OF PVC ELEVATION IN FEET
B-3 TPVC=93.16'	EXISTING MONITOR WELL (PRE-1988) TOP OF PVC ELEVATION IN FEET

NOTE:
1.) THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

MAP REFERENCE:
1.) TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG. NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.,

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			

DESIGNED :
DRAFTED : J.MARX
CHECKED : K.MOLINE
PROJ. NO: 01.7293
SCALE : 1"=30'
DATE : OCT. 11, 2012

FIGURE 1
MONITORING WELL LOCATION MAP

FORMER INDEPENDENT LEATHER TANNERY
BI-ANNUAL GROUNDWATER MONITORING

CITY OF GLOVERSVILLE — FULTON, NY

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, LATHAM, NY 12110
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ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

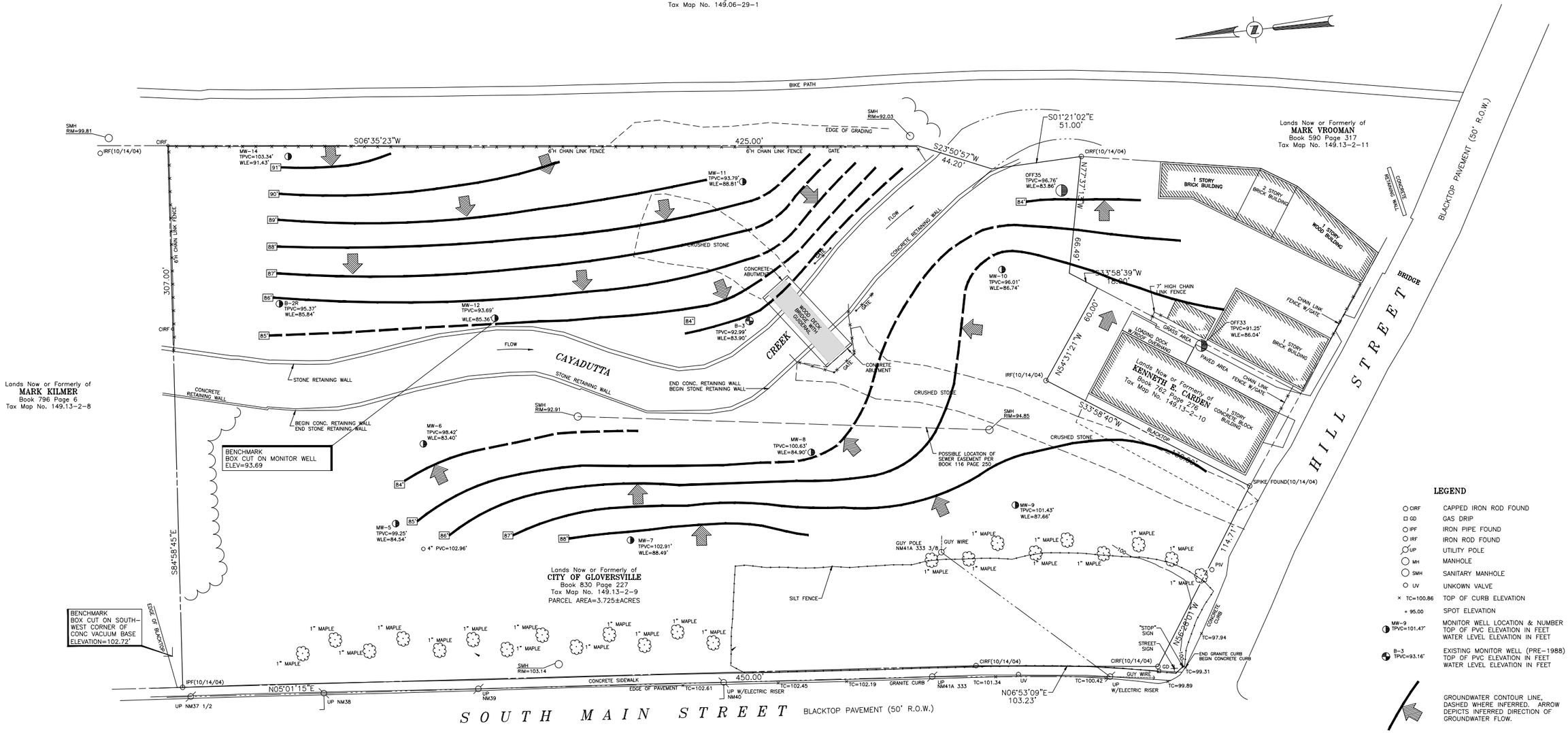
CAD DWG. FILE NAME: MON WELL LOC MAP & RESULTS.DWG

Figure 2
Groundwater Contour Map

MAP REFERENCES

1. "Survey of Lands of Independent Leather MFG. Corp.," City of Gloversville, County of Fulton, NY., dated October 26, 1988, prepared by C.T. Male Associates P.C., Drawing No. 88-607.

2. "Boundary Survey Former Independent Leather Mfg. Corp., 321 South Main Street, City of Gloversville, County of Fulton, NY., dated January 29, 2002, prepared by C.T. Male Associates P.C., Drawing No. 02-446.



LEGEND

○ CIRF	CAPPED IRON ROD FOUND
□ GD	GAS DRIP
○ IPF	IRON PIPE FOUND
○ IRF	IRON ROD FOUND
○UP	UTILITY POLE
◯ MH	MANHOLE
◯ SMH	SANITARY MANHOLE
○ UV	UNKOWN VALVE
× TC=100.86	TOP OF CURB ELEVATION
+ 95.00	SPOT ELEVATION
MW-9 TPVC=101.47'	MONITOR WELL LOCATION & NUMBER TOP OF PVC ELEVATION IN FEET WATER LEVEL ELEVATION IN FEET
B-3 TPVC=93.16'	EXISTING MONITOR WELL (PRE-1988) TOP OF PVC ELEVATION IN FEET WATER LEVEL ELEVATION IN FEET
	GROUNDWATER CONTOUR LINE, DASHED WHERE INFERRED. ARROW DEPICTS INFERRED DIRECTION OF GROUNDWATER FLOW.

BAR SCALE
30 0 15 30 60
1 inch = 30 ft.

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			

DESIGNED :
DRAFTED : J.MARX
CHECKED : K.MOLINE
PROJ. NO: 01.7293
SCALE : 1"=30'
DATE : OCT. 11, 2012

FIGURE 2
GROUNDWATER CONTOUR MAP (SEPTEMBER 5, 2012)

FORMER INDEPENDENT LEATHER TANNERY
BI-ANNUAL GROUNDWATER MONITORING

CITY OF GLOVERSVILLE — FULTON COUNTY, NY

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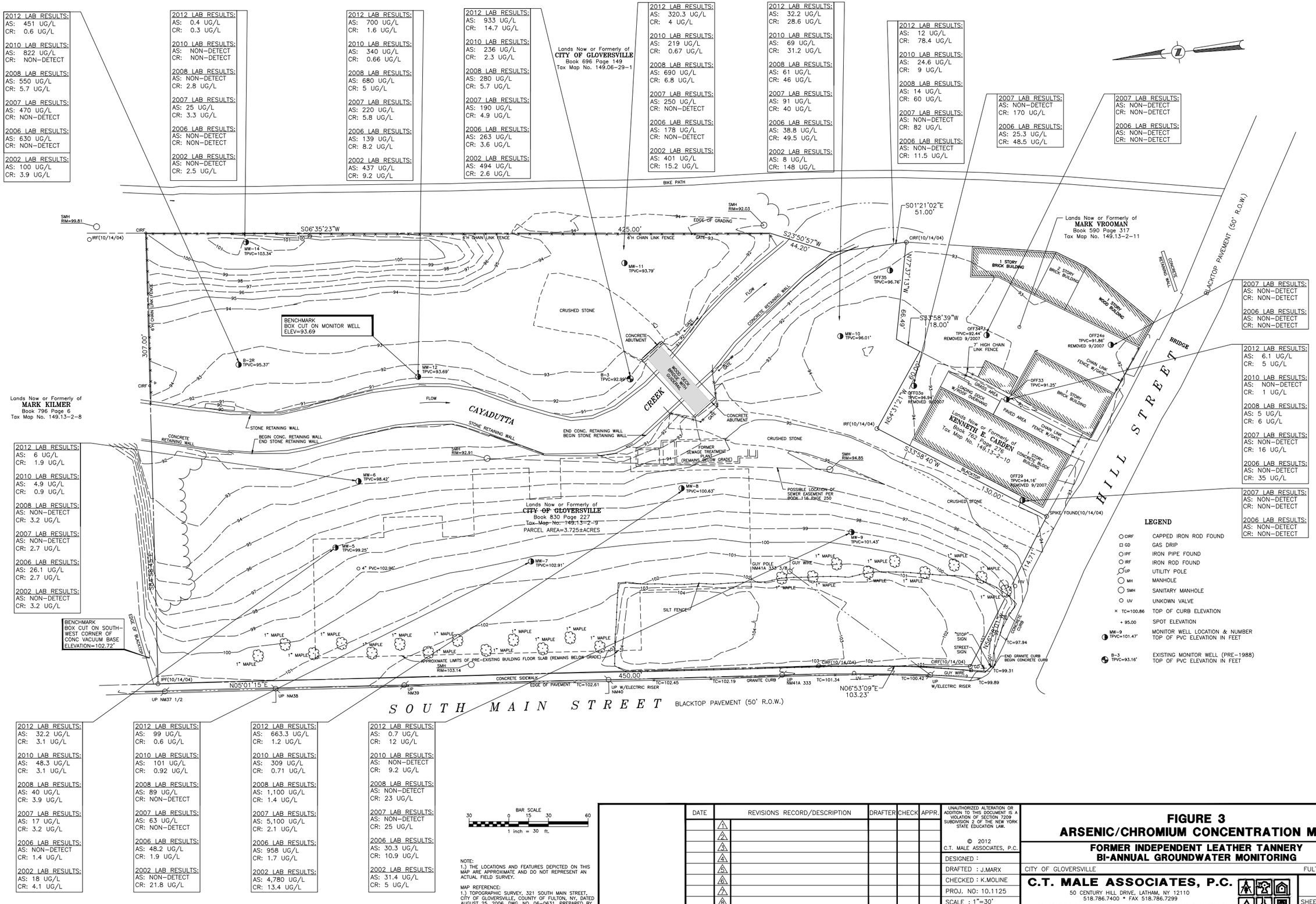
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

SHEET 2 OF 3
DWG. NO: 12-0602

CAD DWG. FILE NAME: GW CONTOUR 090512.DWG

Figure 3
Arsenic/Chromium Concentrations Map



NOTE:
1.) THE LOCATIONS AND FEATURES DEPICTED ON THIS MAP ARE APPROXIMATE AND DO NOT REPRESENT AN ACTUAL FIELD SURVEY.

MAP REFERENCE:
1.) TOPOGRAPHIC SURVEY, 321 SOUTH MAIN STREET, CITY OF GLOVERSVILLE, COUNTY OF FULTON, NY, DATED AUGUST 25, 2006, DWG. NO. 06-0631, PREPARED BY C.T. MALE ASSOCIATES, P.C.,

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
	1			
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	6			
	7			
	8			
	9			

DESIGNED :
DRAFTED : J.MARX
CHECKED : K.MOLINE
PROJ. NO: 10.1125
SCALE : 1"=30'
DATE : OCT. 11, 2012

FIGURE 3
ARSENIC/CHROMIUM CONCENTRATION MAP

FORMER INDEPENDENT LEATHER TANNERY
BI-ANNUAL GROUNDWATER MONITORING

CITY OF GLOVERSVILLE — FULTON COUNTY, NY

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Table 1
Analytical Summary Table

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	B-2		B-2R										B-3									
Date Sampled		May-02		Mar-06 [2]		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)																									
Acetone	50 (GV)	6	J B	ND	J	ND		NS		NS		NS		8	J M	ND		ND		NS		NS		NS	
Benzene	1.0	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
2-Butanone (MEK)	NA	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Carbon disulfide	NA	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Chlorobenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
cis-1,2-Dichloroethene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Ethylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Methylene chloride	5	0.7	J	ND	J	ND		NS		NS		NS		0.8	J	ND		ND		NS		NS		NS	
Toluene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Vinyl chloride	2	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Xylenes (total)	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
sec-Butylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
tert-Butylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
n-Propylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
Isopropylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
1,3,5-Trimethylbenzene	5	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
1,4-Diethylbenzene	NA	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
4-Ethyltoluene	NA	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
1,2,4,5-Tetramethylbenzene	NA	ND		ND	J	ND		NS		NS		NS		ND		ND		ND		NS		NS		NS	
SVOC by EPA Method 8270, (ug/L)																									
Acenaphthene	20(GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Anthracene	50 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Benzo(a)pyrene	ND	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Benzo(g,h,i)perylene	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Carbazole	5	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Chrysene	0.002	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Dibenzo(a,h)anthracene	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Diethyl phthalate	50	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Di-n-butyl phthalate	50 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Fluoranthene	50(GV)	ND		ND		ND		NS		NS		NS		0.6	J	ND		ND	J	NS		NS		NS	
Fluorene	50(GV)	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Naphthalene	10	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Pentachlorophenol	1	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Phenanthrene	50(GV)	ND		ND		ND		NS		NS		NS		0.4	J	ND		ND	J	NS		NS		NS	
Phenol	1.0	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
Pyrene	50	ND		ND		ND		NS		NS		NS		1	J	ND		ND	J	NS		NS		NS	
Trichloroethene	5	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
2,4,5-Trichlorophenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
2,4,6-Trichlorophenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
2,4-Dichlorophenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
2-Methylnaphthalene	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
4-Chloro-3-methylphenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	
4-Methylphenol	No Standard	ND		ND		ND		NS		NS		NS		ND		ND		ND	J	NS		NS		NS	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-10												MW-11									
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)																									
Acetone	50 (GV)	8	J	ND		ND		11		11	B	19	B	11		ND		ND		NS		NS		NS	
Benzene	1.0	**2**	**J M**	**1.3**	**J**	1	J	0.78	J	1	J	0.36	J	ND		ND		ND		NS		NS		NS	
2-Butanone (MEK)	NA	ND		ND		ND		1.9	J	3.5	J	3.8	J	ND		ND		ND		NS		NS		NS	
Carbon disulfide	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Chlorobenzene	5	**5**		3.1	J H	2.1	J	2.7	J	4.6	J	1.7	J	ND		ND		ND		NS		NS		NS	
cis-1,2-Dichloroethene	5	0.4	J	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Ethylbenzene	5	**10**		2.7	J	1.8	J	ND		1.6	J	ND		ND		ND		ND		NS		NS		NS	
Methylene chloride	5	ND		ND		ND		ND		ND		ND		0.8	J	ND		ND		NS		NS		NS	
Toluene	5	0.8	J	0.5	J	0.36	J	ND		ND		ND		ND		ND		ND		NS		NS		NS	
Vinyl chloride	2	ND		ND		ND		ND		ND		ND		0.8	J	ND		ND		NS		NS		NS	
Xylenes (total)	5	75		4	J	3	J	ND		16		2	J	ND		ND		ND		NS		NS		NS	
sec-Butylbenzene	5	ND		ND		ND		ND		ND		1	J	ND		ND		ND		NS		NS		NS	
tert-Butylbenzene	5	ND		ND		ND		ND		ND				ND		ND		ND		NS		NS		NS	
n-Propylbenzene	5	ND		ND		ND		ND		ND		2	J	ND		ND		ND		NS		NS		NS	
Isopropylbenzene	5	ND		ND		ND		ND		4	J	1	J	ND		ND		ND		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ND		ND		ND		ND		ND		15		ND		ND		ND		NS		NS		NS	
1,3,5-Trimethylbenzene	5	ND		ND		ND		ND		ND		2	J	ND		ND		ND		NS		NS		NS	
1,4-Diethylbenzene	NA	ND		ND		ND		ND		ND		2	J	ND		ND		ND		NS		NS		NS	
4-Ethyltoluene	NA	ND		ND		ND		ND		ND		3		ND		ND		ND		NS		NS		NS	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		ND		ND		ND		3		ND		ND		ND		NS		NS		NS	
SVOC by EPA Method 8270, (ug/L)																									
Acenaphthene	20(GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Anthracene	50 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Benzo(g,h,i)perylene	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Carbazole	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Chrysene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Dibenzo(a,h)anthracene	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Diethyl phthalate	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Di-n-butyl phthalate	50 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Fluoranthene	50(GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Fluorene	50(GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Naphthalene	10	**1,000**		**690**		**450**	**J**	**160**		**360**		**190**		1	J	ND		ND		NS		NS		NS	
Pentachlorophenol	1	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Phenanthrene	50(GV)	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Phenol	1.0	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Pyrene	50	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
Trichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
2,4,5-Trichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
2,4,6-Trichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
2,4-Dichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
2-Methylnaphthalene	NA	8	J	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
4-Chloro-3-methylphenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	
4-Methylphenol	No Standard	ND		ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-12												MW-14											
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)																									
Acetone	50 (GV)	7	J	ND		ND		NS		NS		NS		5	J	ND		NS		NS		NS		NS	
Benzene	1.0	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2-Butanone (MEK)	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Carbon disulfide	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Chlorobenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
cis-1,2-Dichloroethene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Ethylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Methylene chloride	5	ND		ND		ND		NS		NS		NS		0.5	J	ND		NS		NS		NS		NS	
Toluene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Vinyl chloride	2	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Xylenes (total)	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
sec-Butylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
tert-Butylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
n-Propylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Isopropylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,3,5-Trimethylbenzene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,4-Diethylbenzene	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4-Ethyltoluene	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
SVOC by EPA Method 8270, (ug/L)																									
Acenaphthene	20(GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Anthracene	50 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(a)pyrene	ND	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(g,h,i)perylene	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Carbazole	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Chrysene	0.002	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Dibenzo(a,h)anthracene	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Diethyl phthalate	50	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Di-n-butyl phthalate	50 (GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Fluoranthene	50(GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Fluorene	50(GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Naphthalene	10	**11**		4	J	ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Pentachlorophenol	1	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Phenanthrene	50(GV)	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Phenol	1.0	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Pyrene	50	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Trichloroethene	5	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2,4,5-Trichlorophenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2,4,6-Trichlorophenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2,4-Dichlorophenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2-Methylnaphthalene	NA	0.5	J	ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4-Chloro-3-methylphenol	NA	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4-Methylphenol	No Standard	ND		ND		ND		NS		NS		NS		ND		ND		NS		NS		NS		NS	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-5												MW-6											
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)																									
Acetone	50 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzene	1.0	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2-Butanone (MEK)	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Carbon disulfide	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Chlorobenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
cis-1,2-Dichloroethene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Ethylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Methylene chloride	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Toluene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Vinyl chloride	2	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Xylenes (total)	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
sec-Butylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
tert-Butylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
n-Propylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Isopropylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,3,5-Trimethylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,4-Diethylbenzene	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4-Ethyltoluene	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
SVOC by EPA Method 8270, (ug/L)																									
Acenaphthene	20(GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Anthracene	50 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(a)anthracene	0.002 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(a)pyrene	ND	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(g,h,i)perylene	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		4	J	NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Carbazole	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Chrysene	0.002	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Dibenzo(a,h)anthracene	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Diethyl phthalate	50	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Di-n-butyl phthalate	50 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Fluoranthene	50(GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Fluorene	50(GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Naphthalene	10	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Pentachlorophenol	1	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Phenanthrene	50(GV)	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Phenol	1.0	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Pyrene	50	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Trichloroethene	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2,4,5-Trichlorophenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2,4,6-Trichlorophenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2,4-Dichlorophenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
2-Methylnaphthalene	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4-Chloro-3-methylphenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4-Methylphenol	No Standard	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-7												MW-8											
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)																									
Acetone	50 (GV)	40	H	ND		ND		1.3	J	ND		1.6	J	8	J	1.7	J	NS		NS		NS		NS	
Benzene	1.0	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
2-Butanone (MEK)	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Carbon disulfide	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Chlorobenzene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Ethylbenzene	5	3	J	1.1	J	2.2	J	ND		ND		ND		ND		ND		NS		NS		NS		NS	
Methylene chloride	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Toluene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Vinyl chloride	2	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Xylenes (total)	5	9		7		15		ND		ND		ND		ND		ND		NS		NS		NS		NS	
sec-Butylbenzene	5	ND		ND		ND		ND		ND		0.83	J	ND		ND		NS		NS		NS		NS	
tert-Butylbenzene	5	ND		ND		ND		ND		ND		0.92	J	ND		ND		NS		NS		NS		NS	
n-Propylbenzene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Isopropylbenzene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
1,2,4-Trimethylbenzene	5	ND		ND		ND		ND		ND		2.6		ND		ND		NS		NS		NS		NS	
1,3,5-Trimethylbenzene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
1,4-Diethylbenzene	NA	ND		ND		ND		ND		ND		1.2	J	ND		ND		NS		NS		NS		NS	
4-Ethyltoluene	NA	ND		ND		ND		ND		ND		ND	J	ND		ND		NS		NS		NS		NS	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		ND		ND		ND		4.8		ND		ND		NS		NS		NS		NS	
SVOC by EPA Method 8270, (ug/L)																									
Acenaphthene	20(GV)	0.5	J M	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Anthracene	50 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Benzo(g,h,i)perylene	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Carbazole	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Chrysene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Dibenzo(a,h)anthracene	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Diethyl phthalate	50	22		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Di-n-butyl phthalate	50 (GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Fluoranthene	50(GV)	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Fluorene	50(GV)	0.5	J H	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Naphthalene	10	**15**		4	J	**11**		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Pentachlorophenol	1	**3**	**J**	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Phenanthrene	50(GV)	ND		ND		0.57	J	ND		ND		ND		ND		ND		NS		NS		NS		NS	
Phenol	1.0	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Pyrene	50	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Trichloroethene	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
2,4,5-Trichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
2,4,6-Trichlorophenol	NA	2	J	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
2,4-Dichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
2-Methylnaphthalene	NA	3	J	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
4-Chloro-3-methylphenol	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
4-Methylphenol	No Standard	4	J	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-9												OFF33									
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)																							
Acetone	50 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		1.5	J	1.5	J	7.5	
Benzene	1.0	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
2-Butanone (MEK)	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		1.7	J
Carbon disulfide	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Ethylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Methylene chloride	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Toluene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Vinyl chloride	2	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Xylenes (total)	5	ND		ND		NS		NS		NS		NS		ND	J	ND		ND		ND		ND	
sec-Butylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
tert-Butylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
n-Propylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Isopropylbenzene	5	ND		ND		NS		NS		NS		NS		ND	J	ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
1,4-Diethylbenzene	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
4-Ethyltoluene	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
SVOC by EPA Method 8270, (ug/L)																							
Acenaphthene	20(GV)	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Anthracene	50 (GV)	ND		ND		NS		NS		NS		NS		ND		0.65	J	ND		ND		0.07	J
Benzo(a)anthracene	0.002 (GV)	ND		ND		NS		NS		NS		NS		ND		**1.9**	J	ND		ND		**0.24**	
Benzo(a)pyrene	ND	ND		ND		NS		NS		NS		NS		ND		**1.5**	J	ND		ND		**0.34**	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		NS		NS		NS		NS		ND		**2**	J	ND		ND		**0.27**	
Benzo(g,h,i)perylene	NA	ND		ND		NS		NS		NS		NS		ND		0.85	J	ND		ND		0.19	J
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		NS		NS		NS		NS		ND		**0.96**	J	ND		ND		**0.22**	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Carbazole	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		**0.19**	J
Dibenzo(a,h)anthracene	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		0.14	J
Diethyl phthalate	50	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50 (GV)	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		1	J
Fluoranthene	50(GV)	ND		ND		NS		NS		NS		NS		ND		3.5	J	ND		ND		0.42	
Fluorene	50(GV)	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		**0.22**	
Naphthalene	10	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Pentachlorophenol	1	ND		ND		NS		NS		NS		NS		ND	J	ND		ND		ND		ND	
Phenanthrene	50(GV)	ND		ND		NS		NS		NS		NS		ND		2.4	J	ND		ND		0.17	J
Phenol	1.0	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		NS		NS		NS		NS		ND		3.2	J	ND		ND		0.38	
Trichloroethene	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		4.4	
2,4,5-Trichlorophenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
2,4,6-Trichlorophenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
2,4-Dichlorophenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
2-Methylnaphthalene	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NA	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	
4-Methylphenol	No Standard	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	OFF35									
Date Sampled		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
VOC by EPA Method 8260, (ug/L)											
Acetone	50 (GV)	ND	J	ND		1.1	J	1.1	J	ND	
Benzene	1.0	ND		ND		ND		ND		ND	
2-Butanone (MEK)	NA	ND		ND		ND		ND		ND	
Carbon disulfide	NA	ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND	
Ethylbenzene	5	ND		ND		ND		ND		ND	
Methylene chloride	5	ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND	
Vinyl chloride	2	ND		ND		ND		ND		ND	
Xylenes (total)	5	ND		ND		ND		ND		ND	
sec-Butylbenzene	5	ND		ND		ND		ND		ND	
tert-Butylbenzene	5	ND		ND		ND		ND		ND	
n-Propylbenzene	5	ND		ND		ND		ND		ND	
Isopropylbenzene	5	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	ND		ND		ND		ND		ND	
1,3,5-Trimethylbenzene	5	ND		ND		ND		ND		ND	
1,4-Diethylbenzene	NA	ND		ND		ND		ND		ND	
4-Ethyltoluene	NA	ND		ND		ND		ND		ND	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		ND		ND		ND	
SVOC by EPA Method 8270, (ug/L)											
Acenaphthene	20(GV)	ND		ND		ND		ND		ND	
Anthracene	50 (GV)	ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NA	ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		ND		ND	
Carbazole	5	ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NA	ND		ND		ND		ND		ND	
Diethyl phthalate	50	ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50 (GV)	1	J	ND		ND		ND		ND	
Fluoranthene	50(GV)	ND		ND		ND		ND		ND	
Fluorene	50(GV)	ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND	
Pentachlorophenol	1	ND	J	ND		ND		ND		ND	
Phenanthrene	50(GV)	ND		ND		ND		ND		ND	
Phenol	1.0	ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND	
Trichloroethene	5	ND		ND		ND		ND		ND	
2,4,5-Trichlorophenol	NA	ND		ND		ND		ND		ND	
2,4,6-Trichlorophenol	NA	ND		ND		ND		ND		ND	
2,4-Dichlorophenol	NA	ND		ND		ND		ND		ND	
2-Methylnaphthalene	NA	ND		ND		ND		ND		ND	
4-Chloro-3-methylphenol	NA	ND		ND		ND		ND		ND	
4-Methylphenol	No Standard	ND		ND		ND		ND		ND	

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	B-2		B-2R										B-3											
Date Sampled		May-02		Mar-06 [2]		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)																									
Aldrin	ND	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
alpha-BHC	0.01	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
beta-BHC	0.04	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
delta-BHC	0.04	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
gamma-Chlordane	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4,4'-DDE	0.2	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Endosulfan I	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Endrin aldehyde	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Endrin	ND	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Heptachlor	0.04	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Heptachlor epoxide	0.03	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Metals by EPA Methods 6010 and 9012, (ug/L)																									
Aluminum	2,000	ND		ND		NA		NA		NA		NA		210	B	ND		NA		NA		NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Arsenic	25	**100**		**630**		**470**		**550**		**822**		**451**		**494**		**263**		**190**		**280**		**236**		**933**	
Barium	1,000	36.5		ND		NA		NA		NA		NA		14.1		53.7		NA		NA		NA		NA	
Calcium	NA	112,000		77,500		NA		NA		NA		NA		79,100		146,000		NA		NA		NA		NA	
Chromium	50	3.9	B	ND		ND		5.7		ND		0.6	J	2.6	B	3.6	B	4.9	J	5.7	J	2.3	J	14.7	
Cobalt	NA	1.7	B	ND		NA		NA		NA		NA		ND		3	B	NA		NA		NA		NA	
Copper	200	1.5	B	ND		NA		NA		NA		NA		2.4	B	ND		NA		NA		NA		NA	
Cyanide, Total	200	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Iron	300	**2,430**		**727**		**960**		**1,190**		**1,700**		**1,410**		**1,090**		**4,480**		**4,000**		**4,900**		**2,640**		**13,300**	
Lead	25	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Magnesium	35,000 (GV)	7,740		19,300		19,200		13,600		14,200		10,200		8,780		15,200		14,300		15,300		14,100		10,400	
Manganese	300	44.7		167		NA		184		200		149.7		160		258		NA		66		93		102	
Nickel	100	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Potassium	NA	1250		4,160		NA		NA		NA		NA		3,820		1,870		NA		NA		NA		NA	
Selenium	10	ND		6.22		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Sodium	20,000	6,600		**50,600**		**36,900**		**18,600**		**27,500**		**15,500**		**98,000**		11,100		8,300		7,500		8,390		10,200	
Vanadium	NA	ND		ND		NA		NA		NA		NA		ND		2	B	NA		NA		NA		NA	
Zinc	2,000 (GV)	88.8		19.6		NA		NA		NA		NA		ND		50		NA		NA		NA		NA	

[1] TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC, June 1998 and Addendum, April 2000.
Based on Water Class GA, Source of Drinking Water (Groundwater).

[2] Replacement monitoring well. Analysis conducted by Upstate Laboratories, Inc.

GV denotes Guidance Value.
NA is Not Applicable.
NS is Not Sampled
ND is Not Detected.
"Qual" denotes Laboratory and Validators Qualifiers.
Bold indicates value exceeded Standard Guidance Value.

VOCs analyzed using EPA Method 8260. SVOCs analyzed using EPA Method 8270.
Pesticides/PCBs analyzed using EPA Method 8082.
Metals were analyzed using EPA Method 6010 and 7471 for Mercury.
J indicates an estimated value. H indicates alternate peak selection upon analytical review.
M indicates a manually integrated compound.
B indicates value was obtained from a reading less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
E indicates the reported value is estimate because of the presence of interference.
N indicates spiked sample recovery not within control limits. DL indicates laboratory dilution applied.
July 2008, July 2010 and September 2012 analytical data was not subjected to data validation via DUSR.

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-10												MW-11											
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)																									
Aldrin	ND	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
alpha-BHC	0.01	ND		**0.1300**		**0.043**	NJ	ND		ND		ND		ND		ND		NS		NS		NS		NS	
beta-BHC	0.04	ND		0.0240	J	ND		ND		0.017	J	ND		ND		ND		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	ND		0.0091	J	0.068	NJ	0.01	J	ND		ND		ND		ND		NS		NS		NS		NS	
delta-BHC	0.04	ND		0.0028	J	0.0094	NJ	0.013	J	ND		ND		ND		ND		NS		NS		NS		NS	
gamma-Chlordane	NA	ND		ND		0.3	NJ	ND		ND		ND		ND		ND		NS		NS		NS		NS	
4,4'-DDE	0.2	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Endosulfan I	NA	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Endrin aldehyde	5	0.0690	J	ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Endrin	ND	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Heptachlor	0.04	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Heptachlor epoxide	0.03	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Metals by EPA Methods 6010 and 9012, (ug/L)																									
Aluminum	2,000	1,360		100	B	NA		NA		NA		NA		525		ND		NA		NA		NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Arsenic	25	8	B	**38.8**	**B**	**91**		**61**		**69**		**32.2**		**401**		**178**		**250**		**690**		**219**		**320.3**	
Barium	1,000	93.8		86.2		NA		NA		NA		NA		177		197		NA		NA		NA		NA	
Calcium	NA	222,000		244,000		NA		NA		NA		NA		95,300		116,000		NA		NA		NA		NA	
Chromium	50	**148**		49.5		40		46		31.2		28.6		15.2		ND		ND		6.8	J	0.67	J	4	
Cobalt	NA	4.3	B	3	B	NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Copper	200	2.1	B	ND		NA		NA		NA		NA		2.3	B	ND		NA		NA		NA		NA	
Cyanide, Total	200	195		131		NA		NA		NA		NA		ND		10.4		NA		NA		NA		NA	
Iron	300	**3,040**		**12,200**		**6,200**		**4,700**		**4,890**		**16,800**		**3,510**		**7,820**		**10,100**		**21300**		**7,650**		**9,660**	
Lead	25	ND		ND		NA		NA		NA		NA		16.3		ND		NA		NA		NA		NA	
Magnesium	35,000 (GV)	**72,800**		**77,000**		**81,600**		**41,100**		**46,700**		19,300		8,740		10,700		8,600		11000		10,500		9,880	
Manganese	300	**327**		286		NA		150		209		163.2		**345**		224		NA		1400		**532**		**369**	
Nickel	100	2.3	B	ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Potassium	NA	16,600		10,000		NA		NA		NA		NA		1,780		926		NA		NA		NA		NA	
Selenium	10	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Sodium	20,000	**253,000**		**98,800**		**62,100**		**40,500**		**42,000**		**30,800**		14,400		8,880		10,600		14200		10,500		15,000	
Vanadium	NA	5	B	33.9		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Zinc	2,000 (GV)	ND		ND		NA		NA		NA		NA		19.1	B	ND		NA		NA		NA		NA	

[1] TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC, June 1998 and Addendum, April 2000.
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Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-12												MW-14									
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)																									
Aldrin	ND	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
alpha-BHC	0.01	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
beta-BHC	0.04	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
delta-BHC	0.04	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
gamma-Chlordane	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
4,4'-DDE	0.2	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Endosulfan I	NA	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Endrin aldehyde	5	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Endrin	ND	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Heptachlor	0.04	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Heptachlor epoxide	0.03	ND		ND		NS		NS		NS		NS		ND		ND		NS		NS		NS		NS	
Metals by EPA Methods 6010 and 9012, (ug/L)																									
Aluminum	2,000	415	B	ND		NA		NA		NA		NA		383	B	228	B	NA		NA		NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Arsenic	25	**437**		**139**		**220**		**680**		**340**		**700**		ND		ND		**25**		ND		ND		0.4	J
Barium	1,000	123		122		NA		NA		NA		NA		47.8		17.4		NA		NA		NA		NA	
Calcium	NA	76,700		105,000		NA		NA		NA		NA		156,000		119,000		NA		NA		NA		NA	
Chromium	50	9.2	B	8.2	B	5.8	J	5	J	0.66	J	1.6		2.5	B	ND		3.3	J	2.8	J	ND		0.3	J
Cobalt	NA	ND		ND		NA		NA		NA		NA		ND		1.8	B	NA		NA		NA		NA	
Copper	200	2.2	B	ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Cyanide, Total	200	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Iron	300	**9,500**		**994**		**1,600**		**4,900**		**468**		**2,990**		**332**		193	B	**930**		**340**		33.5		30	J
Lead	25	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Magnesium	35,000 (GV)	14,400		33,800		16,000		19,600		24,300		15,500		9,450		8,210		8,000		7,000		8,140		7,490	
Manganese	300	**504**		**365**		NA		120		186		192.6		206		**367**		NA		**1,200**		223		**439.2**	
Nickel	100	2.3	B	2	B	NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Potassium	NA	17,000		10,500		NA		NA		NA		NA		1,770		931		NA		NA		NA		NA	
Selenium	10	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Sodium	20,000	**88,400**		**182,000**		**79,600**		**47,000**		**27,300**		**30,200**		8,870		12,200		8,600		1,900		9,420		9,590	
Vanadium	NA	1.4	B	2.4	B	NA		NA		NA		NA		ND		2.6	B	NA		NA		NA		NA	
Zinc	2,000 (GV)	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	

[1] TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC, June 1998 and Addendum, April 2000.
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Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-5												MW-6											
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)																									
Aldrin	ND	ND		ND		NS		NS		NS		NS		ND		**0.0160**	J	ND		ND		ND		ND	
alpha-BHC	0.01	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
beta-BHC	0.04	ND		ND		NS		NS		NS		NS		ND		0	J	ND		ND		ND		ND	
gamma-BHC (Lindane)	0.05	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
delta-BHC	0.04	ND		ND		NS		NS		NS		NS		ND		0.0023	J	ND		ND		ND		ND	
gamma-Chlordane	NA	ND		ND		NS		NS		NS		NS		ND		0.0230	J	ND		ND		ND		ND	
4,4'-DDE	0.2	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
Endosulfan I	NA	ND		ND		NS		NS		NS		NS		ND		0.0069	J	ND		ND		ND		ND	
Endrin aldehyde	5	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
Endrin	ND	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
Heptachlor	0.04	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
Heptachlor epoxide	0.03	ND		ND		NS		NS		NS		NS		ND		ND		ND		ND		ND		ND	
Metals by EPA Methods 6010 and 9012, (ug/L)																									
Aluminum	2,000	258	B	857		NA		NA		NA		NA		778		ND		NA		NA		NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Arsenic	25	18	B	ND		17	J	**40**		**48.3**		**32.2**		ND		**26.1**	B	ND		ND		4.9	J	6	
Barium	1,000	44.4		39.5		NA		NA		NA		NA		23.3		66.2		NA		NA		NA		NA	
Calcium	NA	77,000		134,000		NA		NA		NA		NA		40,700		118,000		NA		NA		NA		NA	
Chromium	50	4.1	B	1.4	B	3.2	J	3.9	J	3.1	J	3.1		3.2	B	2.7	B	2.7	J	3.2	J	0.9	J	1.9	
Cobalt	NA	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Copper	200	2.1	B	ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Cyanide, Total	200	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Iron	300	**1,210**		**1,160**		**3,300**		**3,800**		**2,720**		**3,060**		**806**		**2,570**		**3,000**		**4,900**		**1,180**		**8,800**	
Lead	25	9	B	ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Magnesium	35,000 (GV)	8,170		12,400		14,700		15,300		15,400		10,400		4170		19,300		10,800		13,700		13,800		9,860	
Manganese	300	**343**		89.9		NA		**510**		**410**		**381**		33.8		**522**		NA		180		215		229.9	
Nickel	100	2.2	B	ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Potassium	NA	4,440		4,160		NA		NA		NA		NA		4,740		5,960		NA		NA		NA		NA	
Selenium	10	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Sodium	20,000	**76,200**		**38,600**		**76,500**		**72,400**		**106,000**		**139,000**		**52,000**		**97,800**		**28,000**		**63,300**		**75,200**		**90,300**	
Vanadium	NA	ND		4	B	NA		NA		NA		NA		3.7	B	ND		NA		NA		NA		NA	
Zinc	2,000 (GV)	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	

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Table 1
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Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-7												MW-8											
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)																									
Aldrin	ND	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
alpha-BHC	0.01	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
beta-BHC	0.04	ND		ND		0.038	NJ	0.02	J	0.033	J P	ND		ND		ND		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	ND		0.0091	J	ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
delta-BHC	0.04	ND		0.0046	J	0.0034	NJ	0.0071	J	0.0076	J P	ND		ND		ND		NS		NS		NS		NS	
gamma-Chlordane	NA	ND		0.0150	J	0.016	NJ	ND		ND		ND		ND		ND		NS		NS		NS		NS	
4,4'-DDE	0.2	0.0710	J	0.0150	J	ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Endosulfan I	NA	0.1100		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Endrin aldehyde	5	ND		ND		ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Endrin	ND	ND		ND		ND		ND		ND		**0.014**	J	ND		ND		NS		NS		NS		NS	
Heptachlor	0.04	ND		ND		0.012	NJ	ND		ND		ND		ND		ND		NS		NS		NS		NS	
Heptachlor epoxide	0.03	ND		0.0071	J	ND		ND		ND		ND		ND		ND		NS		NS		NS		NS	
Metals by EPA Methods 6010 and 9012, (ug/L)																									
Aluminum	2,000	ND		ND		NA		NA		NA		NA		1,210		ND		NA		NA		NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		**54.9**		**15.4**	**B**	NA		NA		NA		NA	
Arsenic	25	ND		**48.2**		**63**		**89**		**101**		**99**		**4,780**		**958**		**5,100**		**1,100**		**309**		**663.3**	
Barium	1,000	313		67.3		NA		NA		NA		NA		49.4		32.3		NA		NA		NA		NA	
Calcium	NA	396,000		81,300		NA		NA		NA		NA		108,000		125,000		NA		NA		NA		NA	
Chromium	50	21.8	B	1.9	B	ND		ND		0.82	J	0.6	J	13.4		1.7	B	2.1	J	1.4	J	0.71	J	1.2	
Cobalt	NA	33,900		3.9	B	NA		NA		NA		NA		2.9	B	ND		NA		NA		NA		NA	
Copper	200	**70,000**		ND		NA		NA		NA		NA		7.3	B	ND		NA		NA		NA		NA	
Cyanide, Total	200	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Iron	300	**7,420**		**26,200**		**18,500**		**17,000**		**20,400**		**16,400**		**1,340**		**632**		**3,200**		**2,100**		**2,600**		**5,560**	
Lead	25	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Magnesium	35,000 (GV)	ND		14,400		11,500		12,800		9,220		7,220		4,970		9,020		9,100		8,800		9,950		10,700	
Manganese	300	ND		**2,420**		NA		**1,500**		**1,330**		**1,210**		197		**723**		NA		**550**		**997**		**995.7**	
Nickel	100	18	B	2.9	B	NA		NA		NA		NA		8.9	B	5.1	B	NA		NA		NA		NA	
Potassium	NA	61,100		6,030		NA		NA		NA		NA		22500		19,900		NA		NA		NA		NA	
Selenium	10	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	
Sodium	20,000	**3,910,000**		**122,000**		**114,000**		**94,300**		**91,000**		**12,600**		**345,000**		**117,000**		**83,400**		**79,900**		**95,500**		**95,500**	
Vanadium	NA	ND		1.6	B	NA		NA		NA		NA		8.6		11.3		NA		NA		NA		NA	
Zinc	2,000 (GV)	ND		ND		NA		NA		NA		NA		ND		ND		NA		NA		NA		NA	

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Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	MW-9												OFF33									
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)																							
Aldrin	ND	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
alpha-BHC	0.01	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
beta-BHC	0.04	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
delta-BHC	0.04	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
gamma-Chlordane	NA	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
4,4'-DDE	0.2	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Endosulfan I	NA	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Endrin aldehyde	5	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Endrin	ND	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Heptachlor	0.04	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Heptachlor epoxide	0.03	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Metals by EPA Methods 6010 and 9012, (ug/L)																							
Aluminum	2,000	436	B	ND		NA		NA		NA		NA		147		ND		420	J	NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		ND		ND		ND		NA		NA	
Arsenic	25	ND		ND		ND		ND		ND		0.7		ND		ND	J	5	J	ND		6.1	
Barium	1,000	31.4		30.3		NA		NA		NA		NA		ND		80		43		NA		NA	
Calcium	NA	146,000		185,000		NA		NA		NA		NA		71,600		127,000		81,100		NA		NA	
Chromium	50	5	B	10.9		25		23		9.2		12		35		16		6	J	1	J	5	
Cobalt	NA	ND		ND		NA		NA		NA		NA		ND		ND		ND		NA		NA	
Copper	200	1.5	B	ND		NA		NA		NA		NA		ND		ND		5.8	J	NA		NA	
Cyanide, Total	200	ND		ND		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Iron	300	**570**		ND		ND		67	J	50.3	J	146	J	**1,360**		ND	J	**2,500**		**2,340**		**5,460**	
Lead	25	ND		ND		NA		NA		NA		NA		ND		8.2	J	**44**		NA		NA	
Magnesium	35,000 (GV)	14,400		18,800		14,500		13,500		12,300		9,760		5,900		11,900		6,900		6,000		7,550	
Manganese	300	28.8		ND		NA		ND		2.4	J	6.8	J	263		9.8	J	64		60.2	J	80.1	J
Nickel	100	ND		ND		NA		NA		NA		NA		ND		ND		ND		NA		NA	
Potassium	NA	4,250		2,750		NA		NA		NA		NA		2,260	J	3,800		4,500		NA		NA	
Selenium	10	ND		ND		NA		NA		NA		NA		ND	J	ND		ND		NA		NA	
Sodium	20,000	**21,300**		15,000		14,200		**29,400**		**24,800**		**29,000**		16,200		**40,500**		**26,600**		9,380		**27,500**	
Vanadium	NA	ND		ND		NA		NA		NA		NA		ND		0.81	J	3.3	J	NA		NA	
Zinc	2,000 (GV)	ND		ND		NA		NA		NA		NA		ND		73		58		NA		NA	

[1] TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC, June 1998 and Addendum, April 2000.
Based on Water Class GA, Source of Drinking Water (Groundwater).

[2] Replacement monitoring well. Analysis conducted by Upstate Laboratories, Inc.

GV denotes Guidance Value.
NA is Not Applicable.
NS is Not Sampled
ND is Not Detected.
"Qual" denotes Laboratory and Validators Qualifiers.
Bold indicates value exceeded Standard Guidance Value.

VOCs analyzed using EPA Method 8260. SVOCs analyzed using EPA Method 8270.
Pesticides/PCBs analyzed using EPA Method 8082.
Metals were analyzed using EPA Method 6010 and 7471 for Mercury.
J indicates an estimated value. H indicates alternate peak selection upon analytical review.
M indicates a manually integrated compound.
B indicates value was obtained from a reading less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
E indicates the reported value is estimate because of the presence of interference.
N indicates spiked sample recovery not within control limits. DL indicates laboratory dilution applied.
July 2008, July 2010 and September 2012 analytical data was not subjected to data validation via DUSR.

Table 1
Groundwater Analytical Results (Detections Only)
Independent Leather
C.T. Male Project No. 01.7293

Sample ID	NYSDEC Water Quality Standard [1]	OFF35									
Date Sampled		Feb/March 2006		Apr-07		Jul-08		Jul-08		Sep-12	
Parameter		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
Pesticides by EPA Method 8081, (ug/L)											
Aldrin	ND	NS		NS		NS		NS		NS	
alpha-BHC	0.01	NS		NS		NS		NS		NS	
beta-BHC	0.04	NS		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	NS		NS		NS		NS		NS	
delta-BHC	0.04	NS		NS		NS		NS		NS	
gamma-Chlordane	NA	NS		NS		NS		NS		NS	
4,4'-DDE	0.2	NS		NS		NS		NS		NS	
Endosulfan I	NA	NS		NS		NS		NS		NS	
Endrin aldehyde	5	NS		NS		NS		NS		NS	
Endrin	ND	NS		NS		NS		NS		NS	
Heptachlor	0.04	NS		NS		NS		NS		NS	
Heptachlor epoxide	0.03	NS		NS		NS		NS		NS	
Metals by EPA Methods 6010 and 9012, (ug/L)											
Aluminum	2,000	726		< 500		< 500		NA		NA	
Antimony	3	ND		ND		ND		NA		NA	
Arsenic	25	ND		ND	J	14	J	24.6		12	
Barium	1,000	ND		87		29		NA		NA	
Calcium	NA	131,000		187,000		96,700		NA		NA	
Chromium	50	11.5		**82**		**60**		9		**78.4**	
Cobalt	NA	ND		2.8	J	ND		NA		NA	
Copper	200	ND		4.3	J	3.6	J	NA		NA	
Cyanide, Total	200	NA		NA		NA		NA		NA	
Iron	300	**6,780**		**8,100**		**5,500**		**5,800**		**6,030**	
Lead	25	< 3		ND		ND		NA		NA	
Magnesium	35,000 (GV)	21,700		28,900		18,000		18,300		12,000	
Manganese	300	**359**		**1,100**		270		223		210.9	
Nickel	100	ND		ND		ND		NA		NA	
Potassium	NA	1,870	J	2,600		1,600		NA		NA	
Selenium	10	6.83	J	ND		ND		NA		NA	
Sodium	20,000	19,700		**20,500**		18,200		19,100		14,700	
Vanadium	NA	ND		ND		ND		NA		NA	
Zinc	2,000 (GV)	ND		28	J	14	J	NA		NA	

[1] TOGS 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC, June 1998 and Addendum, April 2000.
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