

# C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

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December 14, 2016

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: 2016 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, D.P.C. (C.T. Male Associates) has 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 August/September 2016. 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 August/September 2016 and previous groundwater monitoring events (August 2014, September 2012, 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 August 31 and September 1, 2016 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.

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## Analytical Results

The analytical results for the August/September 2016 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, total xylenes, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene and six (6) metals (arsenic, chromium, iron, magnesium, manganese, and sodium) were the only compounds/analytes detected on-site at concentration which exceed their NYSDEC Water Quality Standard/Guidance Values. Benzo(a)anthracene, benzo(a)pyrene, benzo(b)-fluoranthene, benzo(k)flouranthene, chrysene, indeno(1,2,3-cd)pyrene, and pentachlorophenol and two metals (iron and sodium) were the only compounds/analytes detected off-site at concentration which exceed their NYSDEC Water Quality Standard/Guidance Values.

Naphthalene was detected above NYSDEC regulatory standards at only monitoring well MW-10 in the August/September 2016 sampling event. The concentration of this petroleum related compound was 680 ug/L, and has been generally fluctuated up and down since May 2002, but the concentration is slightly higher than the overall average for this compound. The concentration of naphthalene within monitoring well MW-10 was 1,000 ug/L in 2002, 690 ug/L in 2006, 450 ug/L in 2007, 160 ug/L in 2008, 360 ug/L in 2010, 190 ug/L in 2012, and 310 ug/L in 2014, showing an overall decreasing trend line.

Total xylenes, 1,2,4-trimethylbenzene and 1,3,5- trimethylbenzene were detected above NYSDEC regulatory standards at only monitoring well MW-10 in the August/September 2016 sampling event. These petroleum related compounds were not detected above the limit of laboratory detection (or below standards) prior to 2012. In September 2012, the concentrations were relatively low, but then slightly higher and equally similar in magnitude in 2014 and 2016.

Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)flouranthene, chrysene, indeno(1,2,3-cd)pyrene, and pentachlorophenol were detected at relatively low level concentrations above NYSDEC regulatory standards at monitoring well OFF33 (off-site location) in the August/September 2016 sampling event. These compounds were not detected above the limit of laboratory detection in the July 2010

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and July 2008 sampling events, but were similarly detected in the September 2012 and April 2007 sampling event. The concentrations detected for benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)flouranthene, chrysene, and indeno(1,2,3-cd)pyrene show a continued decrease in concentration from the September 2012 sampling event. Pentachlorophenol was not detected in previous sampling events.

Of the metals detected above regulatory value, arsenic and to a lesser degree 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 with one exception. Listed below is a highlight of notable changes in the analytical data.

- At MW-8, arsenic has gradually increased from 309 ug/L (2010 sampling event) to 2,200 ug/L in this recent sampling event. This may suggest an upward trend in arsenic concentrations.
- At B-3, arsenic was detected its highest detection of 1,460 ug/L in the previous 2014 sampling event. The arsenic concentration has decreased to 382 ug/L in the August/September 2016 sampling event.
- The arsenic concentrations remain above its water quality standard at most on-site monitoring wells, but not above standard within the off-site monitoring wells.
- The chromium concentrations only at monitoring wells OFF35 and MW-10 were above their respective water quality standard of 50 ug/L at 240 ug/L and 60 ug/L, respectively. At Off35, the chromium concentration was the highest concentration of chromium detected at this location since 2006. At MW-10, the chromium concentration was similar in magnitude to the 2014 sampling event.

## Groundwater Contour and Arsenic/Chromium Concentration Maps

Groundwater depths were collected at the monitoring wells on August 31 and September 1, 2016 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 based on the depths collected on August 31 and September 1, 2016 is inferred to have both easterly and westerly flow components converging on the Cayadutta Creek. The top of the PVC at MW-9 was found to be slightly damaged and without a screw-cap. The water level data from MW-9 was used with caution for the calculation of groundwater contours.

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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 following table is edited to show proposed changes to the monitoring program because of the stabilized or decreasing analytical results. The gray shading in the cell shows the proposed changes with the supporting reason in brackets where necessary.

**Table 1**  
**Summary of Long Term Groundwater Monitoring Program**

Well ID	TCL VOCs	TCL SVOCs	Select Metals <sup>(1)</sup>	TCL pesticides
<i>On-site Well Locations</i>				
B-2R			X	
B-3			X	
MW-5			X	
MW-6			X [No As and Cr above standard since 2006, and non-detect in 2016]	X [No pesticides detected since 2007]
MW-7	X	X [Mostly ND, none above Standard]	X	X [Only one pesticide above standard in 2012, and non-detect in 2014 and 2016]
MW-8			X	
MW-9			X [No As or Cr above standard since 2006]	
MW-10	X	X	X	X [No pesticides detections above lab limit since July 2010]
MW-11			X	
MW-12			X	

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**Table 1**  
**Summary of Long Term Groundwater Monitoring Program**

Well ID	TCL VOCs	TCL SVOCs	Select Metals <sup>(1)</sup>	TCL pesticides
MW-14			X [No As or Cr above standard since 2007, and non-detect in 2016]	
OFF35	X	X (All ND)	X	
<i>Off-Site Well Locations</i>				
OFF33	X	X	X [No As or Cr above standard since 2006]	

Notes:

"X" denotes the sample will be analyzed for those parameters.

## Conclusions

The bi-annual groundwater monitoring was performed in August/September 2016 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. Arsenic and chromium concentrations remain relatively similar with minimal upward and downward fluctuation, and as a result, Table 1 shows proposed changes to the monitoring program and supporting reasons.

The annual Site Management Plan monitoring includes groundwater monitoring and an annual site visit to observe the condition of the surface cover system. The surface cover system was inspected on November 17, 2016, the results of which will be provided under separate cover. If you have any questions, please contact me at (518) 786-7548.

Sincerely,

C.T. MALE ASSOCIATES



Jeffrey A. Marx, P.E.  
Project Engineer

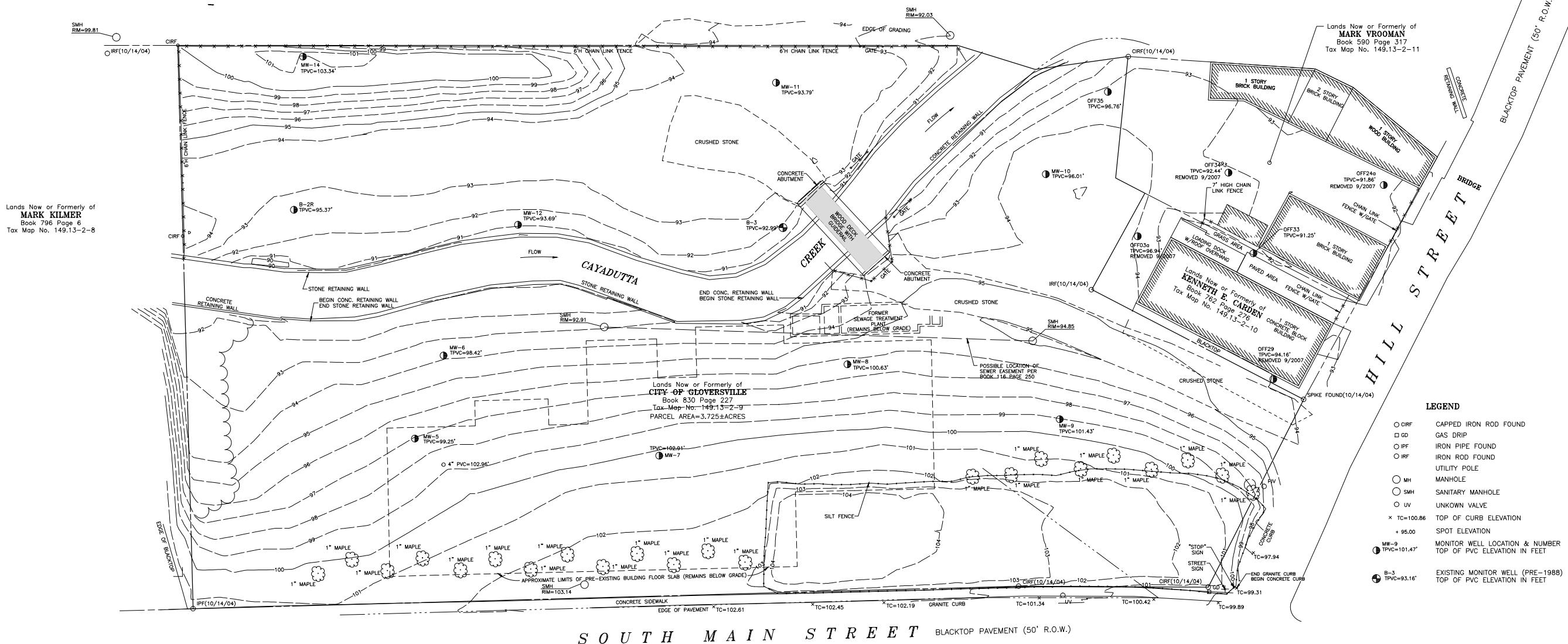
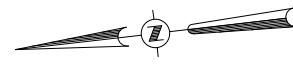
Att Figures, Table 1 - Analytical Summary and Lab Report

c: Dale Trumbull, City of Gloversville

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**Figure 1  
Monitoring Well Location Map**

Lands Now or Formerly of  
CITY OF GLOVERSVILLE  
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Tax Map No. 149.06-29-1



DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.
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DESIGNED :				
DRAFTED : J.MARX				
CHECKED :				
PROJ. NO: 10.1125				
SCALE : 1"=30'				
DATE : NOV. 23, 2016				

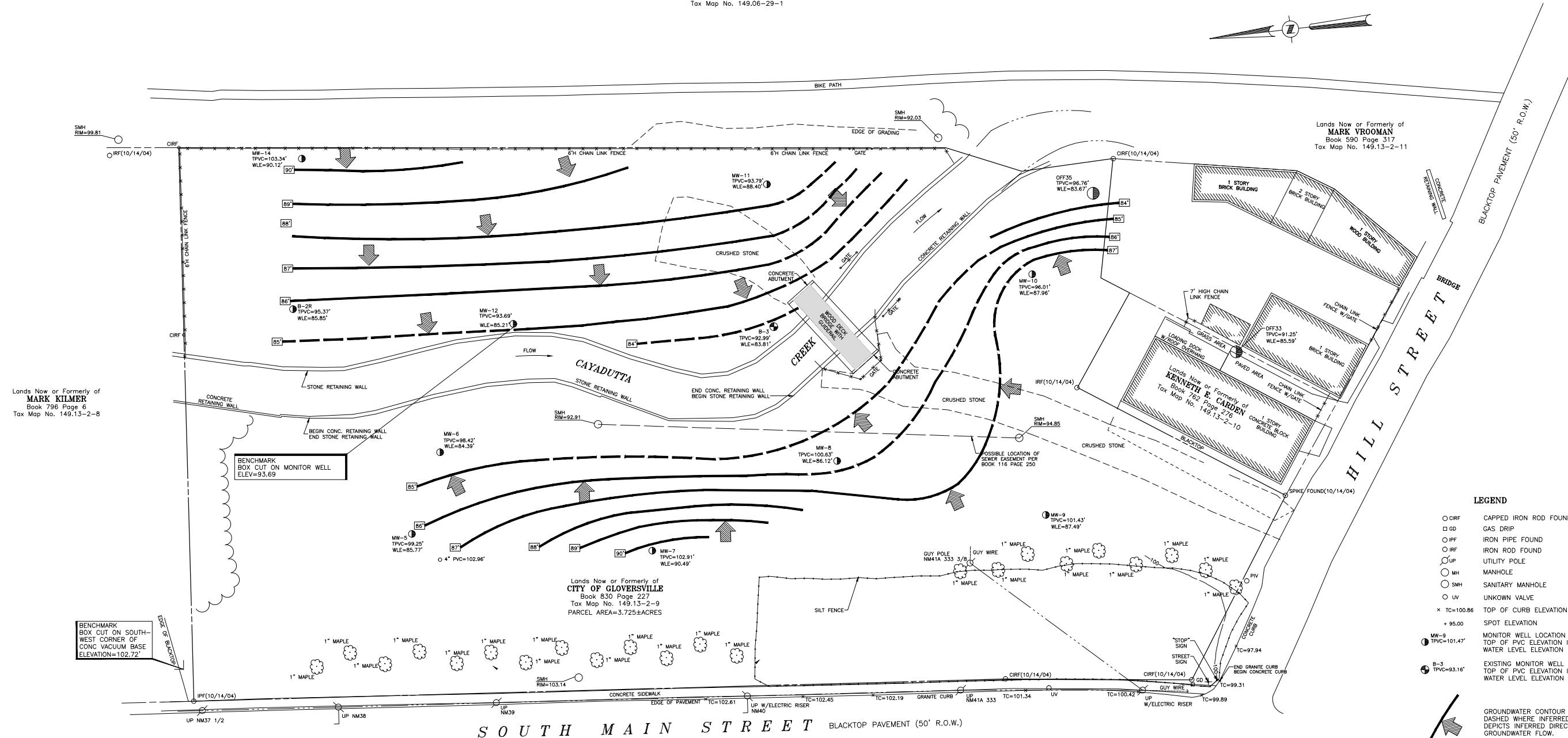
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**Figure 2**  
**Groundwater Contour Map**

## 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.

Lands Now or Formerly of  
**CITY OF GLOVERSVILLE**  
Book 696 Page 149  
Tax Map No. 149.06-29-

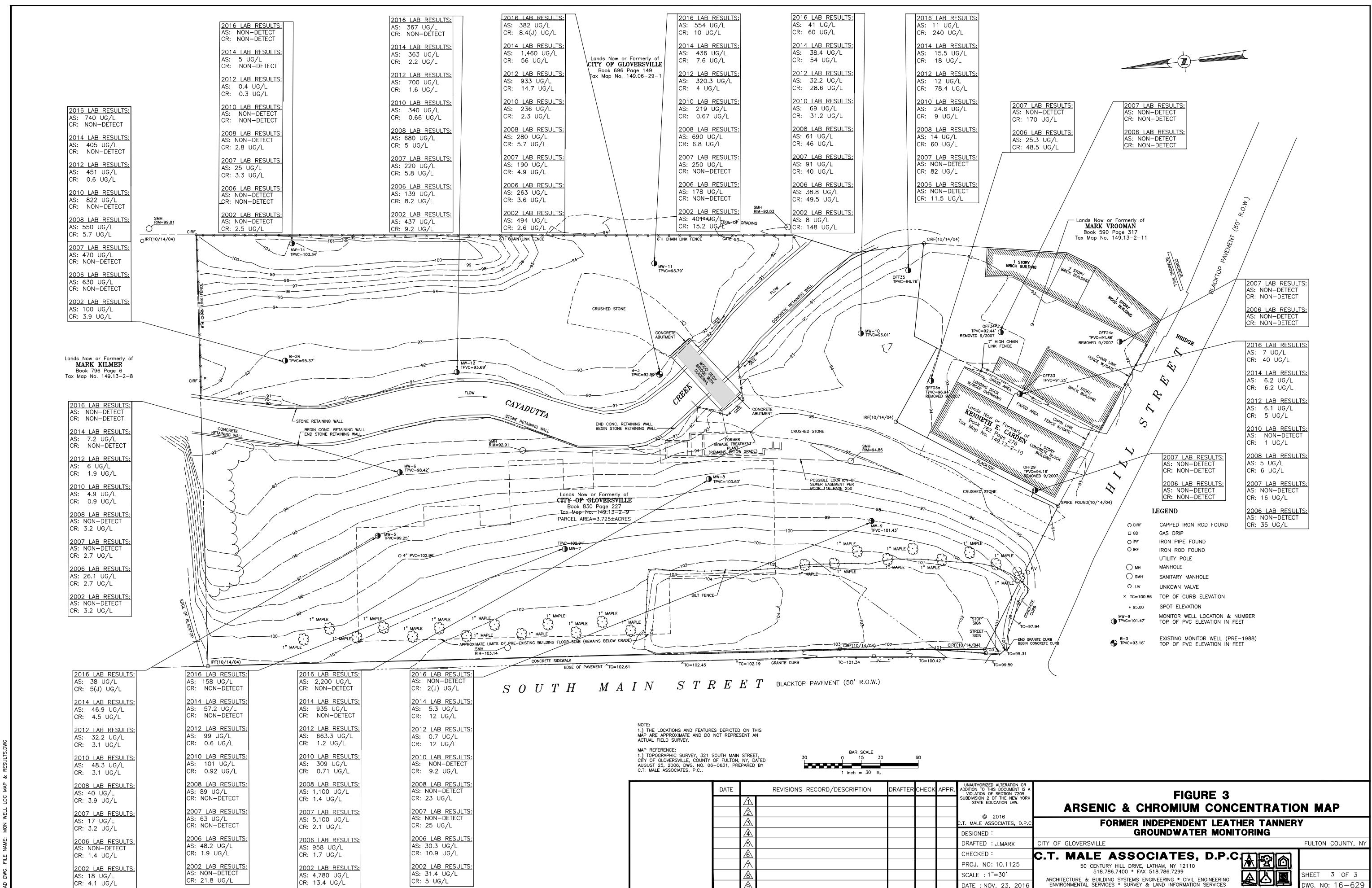


**FIGURE 2  
GROUNDWATER CONTOUR MAP  
(AUGUST 31 & SEPTEMBER 1, 2016)  
FORMER INDEPENDENT LEATHER TANNERY  
GROUNDWATER MONITORING**

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.	UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 202 SUBDIVISION 3 OF THE NEW YORK STATE EDUCATION LAW.
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					DRAFTED : J.MARX
					CHECKED :
					PROJ. NO: 10.1125
					SCALE : 1" =30'
					DATE : NOV. 23, 2016

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**Figure 3**  
**Arsenic/Chromium Concentrations Map**



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**Table 1**  
**Analytical Summary Table**

Table 1  
Groundwater Analytical Results (Detections Only)  
Independent Leather  
C.T. Male Project No. 10.1125

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	B-2		B-2R												B-3																	
		May-02		Mar-06 <sup>(2)</sup>		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Sep-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Sep-16	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual				
<b>VOC by EPA Method 8260, (ug/L)</b>																																	
Acetone	50 (GV)	6	J B	ND	J	ND		NS		NS		NS		NS		8	J M	ND		ND		NS											
Benzene	1.0	ND		ND	J	ND		NS		NS		NS		NS		ND		ND		ND		NS											
2-Butanone (MEK)	NA	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Carbon disulfide	NA	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Chlorobenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
cis-1,2-Dichloroethene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Ethylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Methylene chloride	5	0.7	J	ND	J	ND		NS		NS		NS		NS		0.8	J	ND		ND		NS											
Toluene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Vinyl chloride	2	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Xylenes (total)	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
sec-Butylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
tert-Butylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
n-Propylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
Isopropylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
1,2,4-Trimethylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
1,3,5-Trimethylbenzene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
1,4-Diethylbenzene	NA	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
4-Ethyltoluene	NA	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
1,2,4,5-Tetramethylbenzene	NA	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
p-Isopropyltoluene	5	ND		ND	J	ND		NS		ND		ND		ND		NS		NS		NS		NS											
<b>SVOC by EPA Method 8270, (ug/L)</b>																																	
Acenaphthene	20(GV)	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Anthracene	50 (GV)	ND		ND		ND		NS		ND		ND	J	NS		NS		NS		NS		NS											
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		NS		ND		ND	J	NS		NS		NS		NS		NS											
Benzo(a)pyrene	ND	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Benzo(g,h,i)perylene	NA	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Carbazole	5	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Chrysene	0.002	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Dibenzo(a,h)anthracene	NA	ND		ND		ND		NS		ND		ND		ND	J	NS		NS		NS		NS											
Diethyl phthalate	50	ND		ND		ND		NS		ND</td																							

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-10														MW-11																	
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16	
		Result	Qual																														
<b>VOC by EPA Method 8260, (ug/L)</b>																																	
Acetone	50 (GV)	8	J	ND		ND		11		11	B	19	B	22	J	16	J	11		ND		ND		NS		NS		NS		NS			
Benzene	1.0	2	J M	1.3	J	1	J	0.78	J	1	J	0.36	J	ND		NS		NS		NS		NS											
2-Butanone (MEK)	NA	ND		NS		NS		NS		NS																							
Carbon disulfide	NA	ND		NS		NS		NS		NS																							
Chlorobenzene	5	5		3.1	J H	2.1	J	2.7	J	4.6	J	1.7	J	ND		NS		NS		NS		NS											
cis-1,2-Dichloroethene	5	0.4	J	ND		NS		NS		NS		NS																					
Ethylbenzene	5	10		2.7	J	1.8	J	ND		1.6	J	ND		NS		NS		NS		NS													
Methylene chloride	5	ND		0.8	J	ND		ND		NS		NS		NS		NS																	
Toluene	5	0.8	J	0.5	J	0.36	J	ND		NS		NS		NS		NS																	
Vinyl chloride	2	ND		0.8	J	ND		ND		NS		NS		NS																			
Xylenes (total)	5	75		4	J	3	J	ND		16		2	J	23	J	22	J	ND		ND		ND		NS		NS		NS		NS			
sec-Butylbenzene	5	ND		1	J	ND		NA		ND		ND		ND		NS		NS		NS		NS											
tert-Butylbenzene	5	ND		NS		NS		NS		NS																							
n-Propylbenzene	5	ND		2	J	ND		NA		ND		ND		ND		NS		NS		NS		NS											
Isopropylbenzene	5	ND		ND		ND		ND		4	J	1	J	ND		NS		NS		NS		NS											
1,2,4-Trimethylbenzene	5	ND		15		89		NA		ND		ND		ND		NS		NS		NS		NS											
1,3,5-Trimethylbenzene	5	ND		2	J	22	J	NA		ND		ND		ND		NS		NS		NS		NS											
1,4-Diethylbenzene	NA	ND		2	J	13	J	NA		ND		ND		ND		NS		NS		NS		NS											
4-Ethyltoluene	NA	ND		3		17	J	NA		ND		ND		ND		NS		NS		NS		NS											
1,2,4,5-Tetramethylbenzene	NA	ND		3		7	J	NA		ND		ND		ND		NS		NS		NS		NS											
p-Isopropyltoluene	5	ND		NA		ND		ND		ND		NS		NS		NS		NS															
<b>SVOC by EPA Method 8270, (ug/L)</b>																																	
Acenaphthene	20(GV)	ND		0.09	J	0.2		ND		ND		ND		ND		NS		NS		NS		NS											
Anthracene	50 (GV)	ND		0.5	J	ND		ND		ND		ND		NS		NS		NS		NS													
Benzo(a)anthracene	0.002 (GV)	ND		NS		NS		NS		NS																							
Benzo(a)pyrene	ND	ND		NS		NS		NS		NS																							
Benzo(b)fluoranthene	0.002 (GV)	ND		NS		NS		NS		NS																							
Benzo(g,h,i)perylene	NA	ND		NS		NS		NS		NS																							
Benzo(k)fluoranthene	0.002 (GV)	ND		NS		NS		NS		NS																							
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		0.95	J	ND		ND		ND		NS		NS		NS		NS															
Carbazole	5	ND		NS		NS		NS		NS																							
Chrysene	0.002	ND		NS		NS		NS		NS																							
Dibenzo(a,h)anthracene	NA	ND		NS		NS		NS		NS																							
Diethyl phthalate	50	ND		NS		NS		NS		NS																							
Di-n-butyl phthalate	50 (GV)	ND		NS		NS		NS		NS																							
Fluoranthene	50(GV)	ND		NS		NS		NS		NS																							
Fluorene	50(GV)	ND		0.08	J	ND		ND		ND		NS		NS		NS		NS															
Indeno(1,2,3-cd)pyrene	0.002	ND		NS		NS		NS		NS																							
Naphthalene	10	1,000	690	450	J	160	360	190	310	650		1	J	ND		ND		NS															
Pentachlorophenol	1	ND		NS		NS		NS		NS																							
Phenanthrene	50(GV)	ND		NS		NS		NS		NS																							
Phenol	1.0	ND		NS		NS		NS		NS																							
Pyrene	50	ND		NS		NS		NS		NS																							
Trichloroethene	5	ND		NS		NS		NS		NS																							
2,4,5-Trichlorophenol	NA	ND		NS		NS		NS		NS																							
2,4,6-Trichlorophenol	NA	ND		NS		NS		NS		NS																							
2,4-Dichlorophenol	NA	ND		NS		NS		NS		NS																							
2-Methylnaphthalene	NA	8	J	ND		1.6		ND		ND		NS		NS		NS		NS															
4-Chloro-3-methylphenol	NA	ND		NS		NS		NS		NS																							
4-Methylphenol																																	

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-12														MW-14																	
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Sep-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Sep-16	
Parameter		Result	Qual																														
<b>VOC by EPA Method 8260, (ug/L)</b>																																	
Acetone	50 (GV)	7	J	ND		ND		NS		5	J	ND		NS																			
Benzene	1.0	ND		ND		ND		NS		ND		ND		NS																			
2-Butanone (MEK)	NA	ND		ND		ND		NS		ND		ND		NS																			
Carbon disulfide	NA	ND		ND		ND		NS		ND		ND		NS																			
Chlorobenzene	5	ND		ND		ND		NS		ND		ND		NS																			
cis-1,2-Dichloroethene	5	ND		ND		ND		NS		ND		ND		NS																			
Ethylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
Methylene chloride	5	ND		ND		ND		NS		0.5	J	ND		NS																			
Toluene	5	ND		ND		ND		NS		ND		ND		NS																			
Vinyl chloride	2	ND		ND		ND		NS		ND		ND		NS																			
Xylenes (total)	5	ND		ND		ND		NS		ND		ND		NS																			
sec-Butylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
tert-Butylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
n-Propylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
Isopropylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
1,2,4-Trimethylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
1,3,5-Trimethylbenzene	5	ND		ND		ND		NS		ND		ND		NS																			
1,4-Diethylbenzene	NA	ND		ND		ND		NS		ND		ND		NS																			
4-Ethyltoluene	NA	ND		ND		ND		NS		ND		ND		NS																			
1,2,4,5-Tetramethylbenzene	NA	ND		ND		ND		NS		ND		ND		NS																			
p-Isopropyltoluene	5	ND		ND		ND		NS		ND		ND		NS																			
<b>SVOC by EPA Method 8270, (ug/L)</b>																																	
Acenaphthene	20(GV)	ND		ND		ND		NS		ND		ND		NS																			
Anthracene	50 (GV)	ND		ND		ND		NS		ND		ND		NS																			
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		NS		ND		ND		NS																			
Benzo(a)pyrene	ND	ND		ND		ND		NS		ND		ND		NS																			
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		NS		ND		ND		NS																			
Benzo(g,h,i)perylene	NA	ND		ND		ND		NS		ND		ND		NS																			
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		NS		ND		ND		NS																			
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		NS		ND		ND		NS																			
Carbazole	5	ND		ND		ND		NS		ND		ND		NS																			
Chrysene	0.002	ND		ND		ND		NS		ND		ND		NS																			
Dibenzo(a,h)anthracene	NA	ND		ND		ND		NS		ND		ND		NS																			
Diethyl phthalate	50	ND		ND		ND		NS		ND		ND		NS																			
Di-n-butyl phthalate	50 (GV)	ND		ND		ND		NS		ND		ND		NS																			
Fluoranthene	50(GV)	ND		ND		ND		NS		ND		ND		NS																			
Fluorene	50(GV)	ND		ND		ND		NS		ND		ND		NS																			
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		NS		ND		ND		NS																			
Naphthalene	10	11		4	J	ND		NS		ND		ND		NS																			
Pentachlorophenol	1	ND		ND		ND		NS		ND		ND		NS																			
Phenanthrene	50(GV)	ND		ND		ND		NS		ND		ND		NS																			
Phenol	1.0	ND		ND		ND		NS		ND		ND		NS																			
Pyrene	50	ND		ND		ND		NS		ND		ND		NS																			
Trichloroethene	5	ND		ND		ND		NS		ND		ND		NS																			
2,4,5-Trichlorophenol	NA	ND		ND		ND		NS		ND		ND		NS																			
2,4,6-Trichlorophenol	NA	ND		ND		ND		NS		ND		ND		NS																			
2,4-Dichlorophenol	NA	ND		ND		ND		NS		ND		ND		NS																			
2-Methylnaphthalene	NA	0.5	J	ND		ND		NS		ND		ND		NS																			
4-Chloro-3-methylphenol	NA	ND		ND		ND		NS		NS		NS		NS</																			

Table 1  
Groundwater Analytical Results (Detections Only)  
Independent Leather  
C.T. Male Project No. 10.1125

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-5																MW-6															
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16	
		Result	Qual																														
<b>VOC by EPA Method 8260, (ug/L)</b>																																	
Acetone	50 (GV)	ND		ND		NS		ND		ND		NS																					
Benzene	1.0	ND		ND		NS		ND		ND		NS																					
2-Butanone (MEK)	NA	ND		ND		NS		ND		ND		NS																					
Carbon disulfide	NA	ND		ND		NS		ND		ND		NS																					
Chlorobenzene	5	ND		ND		NS		ND		ND		NS																					
cis-1,2-Dichloroethene	5	ND		ND		NS		ND		ND		NS																					
Ethylbenzene	5	ND		ND		NS		ND		ND		NS																					
Methylene chloride	5	ND		ND		NS		ND		ND		NS																					
Toluene	5	ND		ND		NS		ND		ND		NS																					
Vinyl chloride	2	ND		ND		NS		ND		ND		NS																					
Xylenes (total)	5	ND		ND		NS		ND		ND		NS																					
sec-Butylbenzene	5	ND		ND		NS		ND		ND		NS																					
tert-Butylbenzene	5	ND		ND		NS		ND		ND		NS																					
n-Propylbenzene	5	ND		ND		NS		ND		ND		NS																					
Isopropylbenzene	5	ND		ND		NS		ND		ND		NS																					
1,2,4-Trimethylbenzene	5	ND		ND		NS		ND		ND		NS																					
1,3,5-Trimethylbenzene	5	ND		ND		NS		ND		ND		NS																					
1,4-Diethylbenzene	NA	ND		ND		NS		ND		ND		NS																					
4-Ethyltoluene	NA	ND		ND		NS		ND		ND		NS																					
1,2,4,5-Tetramethylbenzene	NA	ND		ND		NS		ND		ND		NS																					
p-Isopropyltoluene	5	ND		ND		NS		ND		ND		NS																					
<b>SVOC by EPA Method 8270, (ug/L)</b>																																	
Acenaphthene	20(GV)	ND		ND		NS		ND		ND		NS																					
Anthracene	50 (GV)	ND		ND		NS		ND		ND		NS																					
Benzo(a)anthracene	0.002 (GV)	ND		ND		NS		ND		ND		NS																					
Benzo(a)pyrene	ND	ND		ND		NS		ND		ND		NS																					
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		NS		ND		ND		NS																					
Benzo(g,h,i)perylene	NA	ND		ND		NS		ND		ND		NS																					
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		NS		ND		ND		NS																					
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		4	J	NS		ND		ND		NS																					
Carbazole	5	ND		ND		NS		ND		ND		NS																					
Chrysene	0.002	ND		ND		NS		NS		NS		NS																					

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-7																MW-8																	
Date Sampled		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16			
Parameter		Result	Qual																																
<b>VOC by EPA Method 8260, (ug/L)</b>																																			
Acetone	50 (GV)	40	H	ND		ND		1.3	J	ND		1.6	J	ND		ND		8	J	1.7	J	NS													
Benzene	1.0	ND		NS																															
2-Butanone (MEK)	NA	ND		NS																															
Carbon disulfide	NA	ND		NS																															
Chlorobenzene	5	ND		NS																															
cis-1,2-Dichloroethene	5	ND		NS																															
Ethylbenzene	5	3	J	1.1	J	2.2	J	ND		NS																									
Methylene chloride	5	ND		NS																															
Toluene	5	ND		NS																															
Vinyl chloride	2	ND		NS																															
Xylenes (total)	5	9		7		15		ND		NS																									
sec-Butylbenzene	5	ND		0.83	J	1.7	J	NA		ND		NS																							
tert-Butylbenzene	5	ND		0.92	J	2	J	NA		ND		NS																							
n-Propylbenzene	5	ND		0.77	J	NA		ND		NS																									
Isopropylbenzene	5	ND		0.8	J	ND		ND		NS																									
1,2,4-Trimethylbenzene	5	ND		2.6		9.8		NA		ND		NS																							
1,3,5-Trimethylbenzene	5	ND		3.3		NA		ND		ND		NS																							
1,4-Diethylbenzene	NA	ND		1.2	J	2.1		NA		ND		ND		NS																					
4-Ethyltoluene	NA	ND		J	2.3		NA		ND		ND		NS																						
1,2,4,5-Tetramethylbenzene	NA	ND		4.8		22		NA		ND		ND		NS		NS																			
p-Isopropyltoluene	5	ND		4.2		NA		ND		ND		NS		NS																					
<b>SVOC by EPA Method 8270, (ug/L)</b>																																			
Acenaphthene	20(GV)	0.5	J M	ND		0.04	J	ND		ND		NS																							
Anthracene	50 (GV)	ND		NS																															
Benzo(a)anthracene	0.002 (GV)	ND		NS																															
Benzo(a)pyrene	ND	ND		NS																															
Benzo(b)fluoranthene	0.002 (GV)	ND		NS																															
Benzo(g,h,i)perylene	NA	ND		NS																															
Benzo(k)fluoranthene	0.002 (GV)	ND		NS																															
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		NS																															
Carbazole	5	ND		NS																															
Chrysene	0.002	ND		NS																															
Dibenzo(a,h)anthracene	NA	ND		NS																															
Diethyl phthalate	50	22		ND		NS																													
Di-n-butyl phthalate	50 (GV)	ND		NS																															
Fluoranthene	50(GV)	ND		0.05	J	ND		ND		NS																									
Fluorene	50(GV)	0.5	J H	ND		0.08	J	0.05	J	ND		ND		NS																					
Indeno(1,2,3-cd)pyrene	0.002	ND		NS																															
Naphthalene	10	15		4	J	11		ND		ND		ND		0.66		0.83		ND		ND		NS													
Pentachlorophenol	1	3	J	ND		NS																													
Phenanthrene	50(GV)	ND		ND		0.57	J	ND		NS																									
Phenol	1.0	ND		NS																															
Pyrene	50	ND		NS																															
Trichloroethene	5	ND		NS																															
2,4,5-Trichlorophenol	NA	ND		NS		NS		NS		NS</td																									

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-9																OFF33															
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16			
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual																
<b>VOC by EPA Method 8260, (ug/L)</b>																																	
Acetone	50 (GV)	ND		ND		NS		ND		ND		1.5	J	1.5	J	7.5		ND		2	J												
Benzene	1.0	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
2-Butanone (MEK)	NA	ND		ND		NS		ND		ND		ND		ND		1.7	J	ND		2	J												
Carbon disulfide	NA	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Chlorobenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
cis-1,2-Dichloroethene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Ethylbenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Methylene chloride	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Toluene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Vinyl chloride	2	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Xylenes (total)	5	ND		ND		NS		ND	J	ND		ND		ND		ND		ND		ND		ND											
sec-Butylbenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		NA		ND											
tert-Butylbenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		NA		NA											
n-Propylbenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		NA											
Isopropylbenzene	5	ND		ND		NS		ND	J	ND		ND		ND		ND		ND		ND		ND											
1,2,4-Trimethylbenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		NA		NA											
1,3,5-Trimethylbenzene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		NA		NA											
1,4-Diethylbenzene	NA	ND		ND		NS		ND		ND		ND		ND		ND		ND		NA		NA											
4-Ethyltoluene	NA	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		NA											
1,2,4,5-Tetramethylbenzene	NA	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		NA											
p-Isopropyltoluene	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		NA											
<b>SVOC by EPA Method 8270, (ug/L)</b>																																	
Acenaphthene	20(GV)	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Anthracene	50 (GV)	ND		ND		NS		ND	0.65	J	ND	ND	0.07	J	ND		ND		ND		ND												
Benzo(a)anthracene	0.002 (GV)	ND		ND		NS		ND	1.9	J	ND	ND	0.24	0.10	J	0.08	J																
Benzo(a)pyrene	ND	ND		ND		NS		ND	1.5	J	ND	ND	0.34	0.14	J	0.06	J																
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		NS		ND	2	J	ND	ND	0.27	0.13	J	0.12	J																
Benzo(g,h,i)perylene	NA	ND		ND		NS		ND	0.85	J	ND	ND	0.19	J	ND	0.07	J																
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		NS		ND	0.96	J	ND	ND	0.22	ND	ND	0.05	J																
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Carbazole	5	ND		ND		NS		ND		ND		ND		ND		ND		ND		ND		ND											
Chrysene	0.002	ND		ND		NS		ND		ND		ND		ND		ND	0.19	J	0.09	J	0.07	J											
Dibenzo(a,h)anthracene	NA	ND		ND	</td																												

Table 1  
Groundwater Analytical Results (Detections Only)  
Independent Leather  
C.T. Male Project No. 10.1125

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	OFF35													
		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>VOC by EPA Method 8260, (ug/L)</b>															
Acetone	50 (GV)	ND	J	ND		1.1	J	1.1	J	ND		ND		ND	
Benzene	1.0	ND		ND		ND		ND		ND		ND		ND	
2-Butanone (MEK)	NA	ND		ND		ND		ND		ND		ND		ND	
Carbon disulfide	NA	ND		ND		ND		ND		ND		ND		ND	
Chlorobenzene	5	ND		ND		ND		ND		ND		ND		ND	
cis-1,2-Dichloroethene	5	ND		ND		ND		ND		ND		ND		ND	
Ethylbenzene	5	ND		ND		ND		ND		ND		ND		ND	
Methylene chloride	5	ND		ND		ND		ND		ND		ND		ND	
Toluene	5	ND		ND		ND		ND		ND		ND		ND	
Vinyl chloride	2	ND		ND		ND		ND		ND		ND		ND	
Xylenes (total)	5	ND		ND		ND		ND		ND		ND		ND	
sec-Butylbenzene	5	ND		ND		ND		ND		ND		ND		NA	
tert-Butylbenzene	5	ND		ND		ND		ND		ND		ND		NA	
n-Propylbenzene	5	ND		ND		ND		ND		ND		ND		NA	
Isopropylbenzene	5	ND		ND		ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	5	ND		ND		ND		ND		ND		ND		NA	
1,3,5-Trimethylbenzene	5	ND		ND		ND		ND		ND		ND		NA	
1,4-Diethylbenzene	NA	ND		ND		ND		ND		ND		ND		NA	
4-Ethyltoluene	NA	ND		ND		ND		ND		ND		ND		NA	
1,2,4,5-Tetramethylbenzene	NA	ND		ND		ND		ND		ND		ND		NA	
p-Isopropyltoluene	5	ND		ND		ND		ND		ND		ND		NA	
<b>SVOC by EPA Method 8270, (ug/L)</b>															
Acenaphthene	20(GV)	ND		ND		ND		ND		ND		ND		ND	
Anthracene	50 (GV)	ND		ND		ND		ND		ND		ND		ND	
Benzo(a)anthracene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND	
Benzo(a)pyrene	ND	ND		ND		ND		ND		ND		ND		ND	
Benzo(b)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND	
Benzo(g,h,i)perylene	NA	ND		ND		ND		ND		ND		ND		ND	
Benzo(k)fluoranthene	0.002 (GV)	ND		ND		ND		ND		ND		ND		ND	
Bis(2-ethylhexyl)phthalate	50 (GV)	ND		ND		ND		ND		ND		ND		ND	
Carbazole	5	ND		ND		ND		ND		ND		ND		ND	
Chrysene	0.002	ND		ND		ND		ND		ND		ND		ND	
Dibenzo(a,h)anthracene	NA	ND		ND		ND		ND		ND		ND		ND	
Diethyl phthalate	50	ND		ND		ND		ND		ND		ND		ND	
Di-n-butyl phthalate	50 (GV)	1	J	ND											
Fluoranthene	50(GV)	ND		ND		ND		ND		ND		ND		ND	
Fluorene	50(GV)	ND		ND		ND		ND		ND		ND		ND	
Indeno(1,2,3-cd)pyrene	0.002	ND		ND		ND		ND		ND		ND		ND	
Naphthalene	10	ND		ND		ND		ND		ND		ND		0.08	J
Pentachlorophenol	1	ND	J	ND											
Phenanthrene	50(GV)	ND		ND		ND		ND		ND		ND		ND	
Phenol	1.0	ND		ND		ND		ND		ND		ND		ND	
Pyrene	50	ND		ND		ND		ND		ND		ND		ND	
Trichloroethene	5	ND		ND		ND		ND		ND		ND		ND	
2,4,5-Trichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND	
2,4,6-Trichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND	
2,4-Dichlorophenol	NA	ND		ND		ND		ND		ND		ND		ND	
2-Methylnaphthalene	NA	ND		ND		ND		ND		ND		ND		0.07	J
4-Chloro-3-methylphenol	NA	ND		ND		ND		ND		ND		ND		ND	
4-Methylphenol	No Standard	ND		ND		ND		ND		ND		ND		ND	

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

<sup>(4)</sup> 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).

Replacement monitoring well. Analysis conducted by Upstate Laboratories, Inc.

W denotes Guidance Value.

A is Not Applicable.

### S is Not Sampled

D is Not Detected.

"Qual" denotes Laboratory and Validators Qualifiers.

**bold** indicates value exceeded Standard Guidance Value.

OCs 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.

ndicates an estimated value. H indicates alternate peak selection upon analytical review.

indicates a manually integrated compound.

indicates value was obtained from a reading less than

indicates the reported value is estimate because of the presence of interference.

indicates spiked sample recovery not within control limits. DL indicates laboratory dilution.

ly 2008, July 2010, September 2012 and August 2014 analytical data was not subjected to data validation.

July 2008, July 2010, September 2012 and August 2014 final trial data was not subjected to data validation via DCCR.

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-10																MW-11															
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Pesticides by EPA Method 8081, (ug/L)</b>																																	
Aldrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
alpha-BHC	0.01	ND	0.1300		0.043	NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
beta-BHC	0.04	ND	0.0240	J	ND		ND	0.017	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
gamma-BHC (Lindane)	0.05	ND	0.0091	J	0.068	NJ	0.01	J	ND	ND	ND	NS	NS	NS																			
delta-BHC	0.04	ND	0.0028	J	0.0094	NJ	0.013	J	ND	ND	ND	NS	NS	NS																			
gamma-Chlordane	NA	ND	ND	0.3	NJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
4,4'-DDE	0.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
Endosulfan I	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
Endrin aldehyde	5	0.0690	J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
Endrin	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
Heptachlor	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
Heptachlor epoxide	0.03	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS											
<b>Metals by EPA Methods 6010 and 9012, (ug/L)</b>																																	
Aluminum	2,000	1,360		100	B	NA		NA		NA		NA		NA		525		ND		NA	NA	NA											
Antimony	3	ND	ND	NA		NA		NA		NA		NA		NA		ND		ND		NA	NA												
Arsenic	25	8	B	38.8	B	91		61		69		32.2		38.4		41		401		178		250	690	219		320.3		436		554			
Barium	1,000	93.8		86.2		NA		NA		NA		NA		NA		177		197		NA	NA												
Calcium	NA	222,000		244,000		NA		NA		NA		NA		NA		95,300		116,000		NA	NA												
Chromium	50	148		49.5		40		46		31.2		28.6		54		60		15.2		ND		ND	6.8	J	0.67	J	4	7.6	J	10			
Cobalt	NA	4.3	B	3	B	NA		NA		NA		NA		NA		ND		ND		NA	NA												
Copper	200	2.1	B	ND		NA		NA		NA		NA		NA		2.3	B	ND		NA	NA												
Cyanide, Total	200	195		131		NA		NA		NA		NA		NA		ND		10.4		NA	NA												
Iron	300	3,040		12,200		6,200		4,700		4,890		16,800		7,400		18,000		3,510		7,820		10,100		21300		7,650		9,660		15,000		14,000	
Lead	25	ND	ND	ND	ND	NA		NA		NA		NA		NA		16.3		ND		NA	NA	NA											
Magnesium	35,000 (GV)	72,800		77,000		81,600		41,100		46,700		19,300		35,000		36,000		8,740		10,700		8,600		11000		10,500		9,880		9,600		11,000	
Manganese	300	327		286		NA		150		209		163.2		333		230		345		224		NA	1400		532		369		238		284		
Nickel	100	2.3	B	ND	ND	NA		NA		NA		NA		NA		ND		ND		NA	NA												
Potassium	NA	16,600		10,000		NA		NA		NA		NA		NA		NA		1,780		926		NA	NA										
Selenium	10	ND	ND	ND																													

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-12												MW-14																			
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Sep-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Sep-16	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual				
<b>Pesticides by EPA Method 8081, (ug/L)</b>																																	
Aldrin	ND	ND		ND		NS		ND		ND		NS																					
alpha-BHC	0.01	ND		ND		NS		ND		ND		NS																					
beta-BHC	0.04	ND		ND		NS		ND		ND		NS																					
gamma-BHC (Lindane)	0.05	ND		ND		NS		ND		ND		NS																					
delta-BHC	0.04	ND		ND		NS		ND		ND		NS																					
gamma-Chlordane	NA	ND		ND		NS		ND		ND		NS																					
4,4'-DDE	0.2	ND		ND		NS		ND		ND		NS																					
Endosulfan I	NA	ND		ND		NS		ND		ND		NS																					
Endrin aldehyde	5	ND		ND		NS		ND		ND		NS																					
Endrin	ND	ND		ND		NS		ND		ND		NS																					
Heptachlor	0.04	ND		ND		NS		ND		ND		NS																					
Heptachlor epoxide	0.03	ND		ND		NS		ND		ND		NS																					
<b>Metals by EPA Methods 6010 and 9012, (ug/L)</b>																																	
Aluminum	2,000	415	B	ND		NA		383	B	228	B	NA																					
Antimony	3	ND		ND		NA		ND		ND		NA																					
Arsenic	25	437		139		220		680		340		700		363		367		ND		ND		25		ND		0.4	J	5	ND				
Barium	1,000	123		122		NA		47.8		17.4		NA																					
Calcium	NA	76,700		105,000		NA		156,000		119,000		NA																					
Chromium	50	9.2	B	8.2	B	5.8	J	5	J	0.66	J	1.6		2.2	J	ND		2.5	B	ND		3.3	J	2.8	J	ND		0.3	J	ND			
Cobalt	NA	ND		ND		NA		ND		1.8	B	NA																					
Copper	200	2.2	B	ND		NA		ND		ND		NA																					
Cyanide, Total	200	ND		ND		NA		ND		ND		NA																					
Iron	300	9,500		994		1,600		4,900		468		2,990		1,700		960		332		193	B	930		340		33.5		30	J	ND	350		
Lead	25	ND		ND		NA		ND		ND		NA																					
Magnesium	35,000 (GV)	14,400		33,800		16,000		19,600		24,300		15,500		18,000		24,000		9,450		8,210		8,000		7,000		8,140		7,490		8,900	9,000		
Manganese	300	504		365		NA		120		186		192.6		143		157		206		367		NA		1,200		223		439.2		235	1,700		
Nickel	100	2.3	B	2	B	NA		ND		ND		NA																					
Potassium	NA	17,000		10,500		NA		1,770		931		NA																					
Selenium	10	ND		ND		NA		ND		ND		NA																					
Sodium	20,000	88,400		182,000		79,600		47,000		27,300		30,200		25,000		29,000		8,870		12,200		8,600		1,900		9,420		9,590	8,700	20,000			
Vanadium	NA	1.4	B	2.4	B	NA		ND		2.6	B	NA																					
Zinc	2,000 (GV)	ND		ND		NA		ND		ND		NA																					

<sup>(1)</sup> 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).

Replacement monitoring well. Analysis conducted by Upstate Laboratories, Inc.

W denotes Guidance Value.

A is Not Applicable.

S is Not Sampled

D is Not Detected.

"Qual" denotes Laboratory and Validators Qualifiers.

**bold** indicates value exceeded Standard Guidance Value.

OCs 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.

indicates an estimated value. H indicates alternate peak

indicates a manually integrated compound.

indicates value was obtained from a reading less than the Contract Required Detection.

indicates the reported value is estimate because of the presence of interference.

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.

July 2008, July 2010 and September 2012 dietary recall data was not subjected to data validation via DCEA.

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-5																MW-6																
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual			
<b>Pesticides by EPA Method 8081, (ug/L)</b>																																		
Aldrin	ND	ND	ND	NS	ND	0.0160	J	ND	ND																									
alpha-BHC	0.01	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
beta-BHC	0.04	ND	ND	NS	ND	0	J	ND	ND	ND																								
gamma-BHC (Lindane)	0.05	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
delta-BHC	0.04	ND	ND	NS	ND	0.0023	J	ND	ND	ND																								
gamma-Chlordane	NA	ND	ND	NS	ND	0.0230	J	ND	ND	ND																								
4,4'-DDE	0.2	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Endosulfan I	NA	ND	ND	NS	ND	0.0069	J	ND	ND	ND																								
Endrin aldehyde	5	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Endrin	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Heptachlor	0.04	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
Heptachlor epoxide	0.03	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND													
<b>Metals by EPA Methods 6010 and 9012, (ug/L)</b>																																		
Aluminum	2,000	258	B	857	NA	778	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
Antimony	3	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
Arsenic	25	18	B	ND	17	J	40	48.3	32.2	46.9	38	ND	26.1	B	ND	ND	4.9	J	6	7.2	ND	ND												
Barium	1,000	44.4	39.5	NA	23.3	66.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
Calcium	NA	77,000	134,000	NA	40,700	118,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
Chromium	50	4.1	B	1.4	B	3.2	J	3.9	J	3.1	J	3.1	4.5	J	5	J	3.2	B	2.7	B	2.7	J	3.2	J	0.9	J	1.9	ND	ND	ND	ND			
Cobalt	NA	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
Copper	200	2.1	B	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
Cyanide, Total	200	ND	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA												
Iron	300	1,210	<b>1,160</b>	3,300	3,800	2,720	3,060	5,500	3,300	806	2,570	3,000	4,900	1,180	8,800	1,400	2,300	ND	ND	ND	ND	ND												
Lead	25	9	B	ND	NA	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA											
Magnesium	35,000 (GV)	8,170	12,400	14,700	15,300	15,400	10,400	22,000	12,000	4170	19,300	10,800	13,700	13,800	9,860	14,000	13,000	ND	ND	ND	ND	ND												
Manganese	300	<b>343</b>	89.9	NA	510	410	381	561	315	33.8	522	NA	180	215	229.9	154	239	ND	ND	ND	ND													
Nickel	100	2.2	B	ND	NA	ND</td																												

Table 1  
 Groundwater Analytical Results (Detections Only)  
 Independent Leather  
 C.T. Male Project No. 10.1125

<sup>(1)</sup> 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).

Replacement monitoring well. Analysis conducted by Upstate Laboratories, Inc.

$W$  denotes Guidance Value.

A is Not Applicable.

S is Not Sampled

D is Not Detected.

"Qual" denotes Laboratory and Validators Qualifiers.

**bold** indicates value exceeded Standard Guidance Value.

OCs 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.

indicates an estimated value. H indicates alternate peak selection upon analytical re-

indicates a manually integrated compound.

indicates value was obtained from a reading less than the Contract Required Detection Limit (CRDL), but greater than the Minimum Detection Limit (MDL).

indicates the reported value is estimate because of the presence of interference.

indicates spiked sample recovery not within control limits. DL indicates laboratory dilution applied.

ly 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. 10.1125

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	MW-9														OFF33															
		May-02		Mar-06		May-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual		
<b>Pesticides by EPA Method 8081, (ug/L)</b>																															
Aldrin	ND	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
alpha-BHC	0.01	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
beta-BHC	0.04	ND		ND		NS		NS		NS		NS		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		NS		NS		NS		NS	
delta-BHC	0.04	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
gamma-Chlordane	NA	ND		ND		NS		NS		NS		NS		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		NS		NS		NS		NS	
Endosulfan I	NA	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Endrin aldehyde	5	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Endrin	ND	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Heptachlor	0.04	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
Heptachlor epoxide	0.03	ND		ND		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS		NS	
<b>Metals by EPA Methods 6010 and 9012, (ug/L)</b>																															
Aluminum	2,000	436	B	ND		NA		NA		NA		NA		NA		NA		147		ND		420	J	NA		NA		NA		NA	
Antimony	3	ND		ND		NA		NA		NA		NA		NA		NA		ND		ND		ND		NA		NA		NA		NA	
Arsenic	25	ND		ND		ND		ND		0.7		5.3		ND		ND		ND	J	5	J	ND		6.1		6.2		7			
Barium	1,000	31.4		30.3		NA		NA		NA		NA		NA		NA		ND	80		43		NA		NA		NA		NA		NA
Calcium	NA	146,000		185,000		NA		NA		NA		NA		NA		NA		71,600		127,000		81,100		NA		NA		NA		NA	
Chromium	50	5	B	10.9		25		23		9.2		12		12		2	J	35		16		6	J	1	J	5		6.2	J	40	
Cobalt	NA	ND		ND		NA		NA		NA		NA		NA		NA		ND		ND		ND		NA		NA		NA		NA	
Copper	200	1.5	B	ND		NA		NA		NA		NA		NA		NA		ND		ND		5.8	J	NA		NA		NA		NA	
Cyanide, Total	200	ND		ND		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA		NA	
Iron	300	<b>570</b>		ND		ND		67	J	50.3	J	146	J	93		48	J	<b>1,360</b>		ND	J	<b>2,500</b>		<b>2,340</b>		<b>5,460</b>		<b>1,300</b>		<b>11,000</b>	
Lead	25	ND		ND		NA		NA		NA		NA		NA		NA		ND		8.2	J	<b>44</b>		NA		NA		NA		NA	
Magnesium	35,000 (GV)	14,400		18,800		14,500		13,500		12,300		9,760		11,000		10,000		5,900		11,900		6,900		6,000		7,550		3,100		7,800	
Manganese	300	28.8		ND		NA		ND		2.4	J	6.8	J	6		2	J	263		9.8	J	64		60.2	J	80.1	J	35.2		123	
Nickel	100	ND		ND		NA		NA		NA		NA		NA		NA		ND		ND		ND		NA		NA		NA		NA	
Potassium	NA	4,250		2,750		NA		NA		NA		NA		NA		NA		2,260	J	3,800		4,500		NA		NA		NA		NA	
Selenium	10	ND		ND		NA		NA		NA		NA		NA		NA		ND	J	ND		ND		NA		NA		NA		NA	
Sodium	20,000	<b>21,300</b>		15,000		14,200		<b>29,400</b>		<b>24,800</b>		<b>29,000</b>		<b>39,000</b>		<b>31,000</b>		16,200		<b>40,500</b>		<b>26,600</b>		9,380		<b>27,500</b>		<b>66,000</b>		<b>42,000</b>	
Vanadium	NA	ND		ND		NA		NA		NA		NA		NA		NA		ND		0.81	J	3.3	J	NA		NA		NA		NA	
Zinc	2,000 (GV)	ND		ND		NA		NA		NA		NA		NA		NA		ND		73		58		NA		NA		NA		NA	

<sup>(4)</sup> 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).

<sup>(2)</sup> 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 anal

## 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

M indicates a manually integrated compound.

B indicates value was obtained from a reading less than the Contract Required Detection Limit.

E indicates the reported value is estimate because of the presence of inter-

N indicates spiked sample recovery not within control limits. DJ indicates laboratory detection limit.

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.

July 2008, July 2010 and September 2012 analysis

**Table 1**  
**Groundwater Analytical Results (Detections Only)**  
**Independent Leather**  
**C.T. Male Project No. 10.1125**

Sample ID	NYSDEC Water Quality Standard <sup>(1)</sup>	OFF35													
		Feb/March 2006		Apr-07		Jul-08		Jul-10		Sep-12		Aug-14		Aug-16	
		Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual	Result	Qual
<b>Pesticides by EPA Method 8081, (ug/L)</b>															
Aldrin	ND	NS		NS		NS		NS		NS		NS		NS	
alpha-BHC	0.01	NS		NS		NS		NS		NS		NS		NS	
beta-BHC	0.04	NS		NS		NS		NS		NS		NS		NS	
gamma-BHC (Lindane)	0.05	NS		NS		NS		NS		NS		NS		NS	
delta-BHC	0.04	NS		NS		NS		NS		NS		NS		NS	
gamma-Chlordane	NA	NS		NS		NS		NS		NS		NS		NS	
4,4'-DDE	0.2	NS		NS		NS		NS		NS		NS		NS	
Endosulfan I	NA	NS		NS		NS		NS		NS		NS		NS	
Endrin aldehyde	5	NS		NS		NS		NS		NS		NS		NS	
Endrin	ND	NS		NS		NS		NS		NS		NS		NS	
Heptachlor	0.04	NS		NS		NS		NS		NS		NS		NS	
Heptachlor epoxide	0.03	NS		NS		NS		NS		NS		NS		NS	
<b>Metals by EPA Methods 6010 and 9012, (ug/L)</b>															
Aluminum	2,000	726		< 500		< 500		NA		NA		NA		NA	
Antimony	3	ND		ND		ND		NA		NA		NA		NA	
Arsenic	25	ND		ND	J	14	J	24.6		12		15.5		11	
Barium	1,000	ND		87		29		NA		NA		NA		NA	
Calcium	NA	131,000		187,000		96,700		NA		NA		NA		NA	
Chromium	50	11.5		<b>82</b>		<b>60</b>		9		<b>78.4</b>		18		<b>240</b>	
Cobalt	NA	ND		2.8	J	ND		NA		NA		NA		NA	
Copper	200	ND		4.3	J	3.6	J	NA		NA		NA		NA	
Cyanide, Total	200	NA		NA		NA		NA		NA		NA		NA	
Iron	300	<b>6,780</b>		<b>8,100</b>		<b>5,500</b>		<b>5,800</b>		<b>6,030</b>		<b>4,300</b>		<b>6,200</b>	
Lead	25	< 3		ND		ND		NA		NA		NA		NA	
Magnesium	35,000 (GV)	21,700		28,900		18,000		18,300		12,000		16,000		16,000	
Manganese	300	<b>359</b>		<b>1,100</b>		270		223		210.9		197		185	
Nickel	100	ND		ND		ND		NA		NA		NA		NA	
Potassium	NA	1,870	J	2,600		1,600		NA		NA		NA		NA	
Selenium	10	6.83	J	ND		ND		NA		NA		NA		NA	
Sodium	20,000	19,700		<b>20,500</b>		18,200		19,100		14,700		19,000		<b>22,000</b>	
Vanadium	NA	ND		ND		ND		NA		NA		NA		NA	
Zinc	2,000 (GV)	ND		28	J	14	J	NA		NA		NA		NA	

<sup>(1)</sup> 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).

<sup>(2)</sup> 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.

C.T. MALE ASSOCIATES

## **Lab Report**



## ANALYTICAL REPORT

Lab Number:	L1627624
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Jeffrey Marx
Phone:	(518) 786-7548
Project Name:	INDEPENDENT LEATHER
Project Number:	10.1125
Report Date:	09/08/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1627624-01	MW-14	WATER	GLOVERSVILLE, NY	09/01/16 11:50	09/01/16
L1627624-02	B-2R	WATER	GLOVERSVILLE, NY	09/01/16 10:50	09/01/16
L1627624-03	B-3	WATER	GLOVERSVILLE, NY	09/01/16 11:05	09/01/16
L1627624-04	MW-12	WATER	GLOVERSVILLE, NY	09/01/16 11:30	09/01/16

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

**Case Narrative (continued)**

**Report Submission**

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Amita Naik

Title: Technical Director/Representative

Date: 09/08/16

## METALS



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

**SAMPLE RESULTS**

Lab ID: L1627624-01  
Client ID: MW-14  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 09/01/16 11:50  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 14:09	EPA 3005A	1,6010C	PS
Chromium, Total	ND		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 14:09	EPA 3005A	1,6010C	PS
Iron, Total	0.35		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 14:09	EPA 3005A	1,6010C	PS
Magnesium, Total	9.0		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 14:09	EPA 3005A	1,6010C	PS
Manganese, Total	1.70		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:09	EPA 3005A	1,6010C	PS
Sodium, Total	20		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 14:09	EPA 3005A	1,6010C	PS



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

**SAMPLE RESULTS**

Lab ID:	L1627624-02	Date Collected:	09/01/16 10:50
Client ID:	B-2R	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.740		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 14:13	EPA 3005A	1,6010C	PS
Chromium, Total	ND		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 14:13	EPA 3005A	1,6010C	PS
Iron, Total	1.8		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 14:13	EPA 3005A	1,6010C	PS
Magnesium, Total	14		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 14:13	EPA 3005A	1,6010C	PS
Manganese, Total	0.160		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:13	EPA 3005A	1,6010C	PS
Sodium, Total	14		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 14:13	EPA 3005A	1,6010C	PS

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

**SAMPLE RESULTS**

Lab ID: L1627624-03  
Client ID: B-3  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 09/01/16 11:05  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.382		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 14:17	EPA 3005A	1,6010C	PS
Chromium, Total	0.0084	J	mg/l	0.0100	0.0020	1	09/07/16 08:00	09/07/16 14:17	EPA 3005A	1,6010C	PS
Iron, Total	5.2		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 14:17	EPA 3005A	1,6010C	PS
Magnesium, Total	14		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 14:17	EPA 3005A	1,6010C	PS
Manganese, Total	0.094		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:17	EPA 3005A	1,6010C	PS
Sodium, Total	9.9		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 14:17	EPA 3005A	1,6010C	PS



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

**SAMPLE RESULTS**

Lab ID: L1627624-04  
Client ID: MW-12  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 09/01/16 11:30  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.367		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 14:46	EPA 3005A	1,6010C	PS
Chromium, Total	ND		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 14:46	EPA 3005A	1,6010C	PS
Iron, Total	0.96		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 14:46	EPA 3005A	1,6010C	PS
Magnesium, Total	24		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 14:46	EPA 3005A	1,6010C	PS
Manganese, Total	0.157		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:46	EPA 3005A	1,6010C	PS
Sodium, Total	29		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 14:46	EPA 3005A	1,6010C	PS



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG929418-1									
Arsenic, Total	ND	mg/l	0.005	0.002	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Chromium, Total	ND	mg/l	0.01	0.002	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Iron, Total	ND	mg/l	0.05	0.02	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Magnesium, Total	ND	mg/l	0.10	0.01	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Manganese, Total	ND	mg/l	0.010	0.002	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Sodium, Total	ND	mg/l	2.0	0.30	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS

### Prep Information

Digestion Method: EPA 3005A



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG929418-2								
Arsenic, Total	107	-	-	-	80-120	-	-	-
Chromium, Total	95	-	-	-	80-120	-	-	-
Iron, Total	84	-	-	-	80-120	-	-	-
Magnesium, Total	98	-	-	-	80-120	-	-	-
Manganese, Total	86	-	-	-	80-120	-	-	-
Sodium, Total	98	-	-	-	80-120	-	-	-

**Matrix Spike Analysis**  
**Batch Quality Control**

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG929418-4 QC Sample: L1627869-01 Client ID: MS Sample												
Arsenic, Total	0.003J	0.12	0.140	117	-	-	-	-	75-125	-	-	20
Chromium, Total	0.003J	0.2	0.20	100	-	-	-	-	75-125	-	-	20
Iron, Total	0.29	1	1.2	91	-	-	-	-	75-125	-	-	20
Magnesium, Total	1.3	10	12	107	-	-	-	-	75-125	-	-	20
Manganese, Total	0.070	0.5	0.511	88	-	-	-	-	75-125	-	-	20
Sodium, Total	14.	10	24	100	-	-	-	-	75-125	-	-	20

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG929418-3 QC Sample: L1627869-01 Client ID: DUP Sample						
Arsenic, Total	0.003J	0.003J	mg/l	NC		20
Chromium, Total	0.003J	0.003J	mg/l	NC		20

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

#### Cooler Information Custody Seal

##### Cooler

A Absent

#### Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627624-01A	Plastic 250ml HNO3 preserved	A	<2	4.4	Y	Absent	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627624-02A	Plastic 250ml HNO3 preserved	A	<2	4.4	Y	Absent	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627624-03A	Plastic 250ml HNO3 preserved	A	<2	4.4	Y	Absent	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627624-04A	Plastic 250ml HNO3 preserved	A	<2	4.4	Y	Absent	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)

\*Values in parentheses indicate holding time in days

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

**Data Qualifiers**

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format:* DU Report with 'J' Qualifiers



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627624  
**Report Date:** 09/08/16

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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**The following analytes are not included in our Primary NELAP Scope of Accreditation:**

**Westborough Facility**

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide

EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

SM5310C: DW: Dissolved Organic Carbon

**Mansfield Facility**

SM 2540D: TSS

EPA 3005A NPW

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix: EPA 3050B**

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation**

**Westborough Facility:**

**Drinking Water**

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C**, **SM4500CN-CE**, **EPA 180.1**,

**SM2130B**, **SM4500CI-D**, **SM2320B**, **SM2540C**, **SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2**: THMs and VOCs; **EPA 504.1**: EDB, DBCP.

Microbiology: **SM9215B**; **SM9223-P/A**, **SM9223B-Colilert-QT**, **SM9222D**.

**Non-Potable Water**

**SM4500H,B**, **EPA 120.1**, **SM2510B**, **SM2540C**, **SM2320B**, **SM4500CL-E**, **SM4500F-BC**, **SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, **SM4500NO3-F**, **EPA 353.2**: Nitrate-N, **EPA 351.1**, **SM4500P-E**, **SM4500P-B, E**, **SM4500SO4-E**, **SM5220D**, **EPA 410.4**, **SM5210B**, **SM5310C**, **SM4500CL-D**, **EPA 1664**, **EPA 420.1**, **SM4500-CN-CE**, **SM2540D**.

**EPA 624**: Volatile Halocarbons & Aromatics,

**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.

Microbiology: **SM9223B-Colilert-QT**; **Enterolert-QT**, **SM9222D-MF**.

**Mansfield Facility:**

**Drinking Water**

**EPA 200.7**: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8**: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg**.

**Non-Potable Water**

**EPA 200.7**: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8**: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

**EPA 245.1 Hg**.

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.





## ANALYTICAL REPORT

Lab Number:	L1627625
Client:	C.T. Male Associates 50 Century Hill Drive Latham, NY 12210
ATTN:	Jeffrey Marx
Phone:	(518) 786-7548
Project Name:	INDEPENDENT LEATHER
Project Number:	10.1125
Report Date:	11/04/16

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1627625-01	MW-5	WATER	GLOVERSVILLE, NY	08/30/16 10:05	09/01/16
L1627625-02	MW-6	WATER	GLOVERSVILLE, NY	08/30/16 10:55	09/01/16
L1627625-03	MW-7	WATER	GLOVERSVILLE, NY	08/30/16 11:50	09/01/16
L1627625-04	MW-8	WATER	GLOVERSVILLE, NY	08/30/16 14:50	09/01/16
L1627625-05	MW-9	WATER	GLOVERSVILLE, NY	08/30/16 14:35	09/01/16
L1627625-06	MW-10	WATER	GLOVERSVILLE, NY	08/30/16 18:00	09/01/16
L1627625-07	MW-11	WATER	GLOVERSVILLE, NY	08/30/16 16:30	09/01/16
L1627625-08	OFF 33	WATER	GLOVERSVILLE, NY	08/30/16 16:50	09/01/16
L1627625-09	OFF 35	WATER	GLOVERSVILLE, NY	08/30/16 17:40	09/01/16
L1627625-10	TRIP BLANK	WATER	GLOVERSVILLE, NY	08/30/16 00:00	09/01/16

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEX data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

### Case Narrative (continued)

#### Report Submission

This report replaces the report issued September 9, 2016. The Volatile Organics compound list has been amended.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Sample Receipt

L1627625-03: The sample was received above the appropriate pH for the Metals analysis. The laboratory added additional HNO<sub>3</sub> to a pH <2.

#### Volatile Organics

L1627625-06: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1627625-10: The Trip Blank has a result for Acetone present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 11/04/16

# ORGANICS



# VOLATILES



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-03	Date Collected:	08/30/16 11:50
Client ID:	MW-7	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/08/16 19:11		
Analyst:	PK		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethane	ND	ug/l	2.5	0.70	1	
Chloroform	ND	ug/l	2.5	0.70	1	
Carbon tetrachloride	ND	ug/l	0.50	0.13	1	
1,2-Dichloropropane	ND	ug/l	1.0	0.13	1	
Dibromochloromethane	ND	ug/l	0.50	0.15	1	
1,1,2-Trichloroethane	ND	ug/l	1.5	0.50	1	
Tetrachloroethene	ND	ug/l	0.50	0.18	1	
Chlorobenzene	ND	ug/l	2.5	0.70	1	
Trichlorofluoromethane	ND	ug/l	2.5	0.70	1	
1,2-Dichloroethane	ND	ug/l	0.50	0.13	1	
1,1,1-Trichloroethane	ND	ug/l	2.5	0.70	1	
Bromodichloromethane	ND	ug/l	0.50	0.19	1	
trans-1,3-Dichloropropene	ND	ug/l	0.50	0.16	1	
cis-1,3-Dichloropropene	ND	ug/l	0.50	0.14	1	
1,1-Dichloropropene	ND	ug/l	2.5	0.70	1	
Bromoform	ND	ug/l	2.0	0.65	1	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	0.14	1	
Benzene	ND	ug/l	0.50	0.16	1	
Toluene	ND	ug/l	2.5	0.70	1	
Ethylbenzene	ND	ug/l	2.5	0.70	1	
Chloromethane	ND	ug/l	2.5	0.70	1	
Bromomethane	ND	ug/l	2.5	0.70	1	
Vinyl chloride	ND	ug/l	1.0	0.07	1	
Chloroethane	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethene	ND	ug/l	0.50	0.14	1	
trans-1,2-Dichloroethene	ND	ug/l	2.5	0.70	1	
Trichloroethene	ND	ug/l	0.50	0.18	1	
1,2-Dichlorobenzene	ND	ug/l	2.5	0.70	1	
1,3-Dichlorobenzene	ND	ug/l	2.5	0.70	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-03		Date Collected:	08/30/16 11:50		
Client ID:	MW-7		Date Received:	09/01/16		
Sample Location:	GLOVERSVILLE, NY		Field Prep:	Not Specified		
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	1.9	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-03	Date Collected:	08/30/16 11:50
Client ID:	MW-7	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	14		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	D	Date Collected:	08/30/16 18:00
Client ID:	MW-10		Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY		Field Prep:	Not Specified
Matrix:	Water			
Analytical Method:	1,8260C			
Analytical Date:	09/08/16 21:30			
Analyst:	PK			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND	ug/l	25	7.0	10	
1,1-Dichloroethane	ND	ug/l	25	7.0	10	
Chloroform	ND	ug/l	25	7.0	10	
Carbon tetrachloride	ND	ug/l	5.0	1.3	10	
1,2-Dichloropropane	ND	ug/l	10	1.3	10	
Dibromochloromethane	ND	ug/l	5.0	1.5	10	
1,1,2-Trichloroethane	ND	ug/l	15	5.0	10	
Tetrachloroethene	ND	ug/l	5.0	1.8	10	
Chlorobenzene	ND	ug/l	25	7.0	10	
Trichlorofluoromethane	ND	ug/l	25	7.0	10	
1,2-Dichloroethane	ND	ug/l	5.0	1.3	10	
1,1,1-Trichloroethane	ND	ug/l	25	7.0	10	
Bromodichloromethane	ND	ug/l	5.0	1.9	10	
trans-1,3-Dichloropropene	ND	ug/l	5.0	1.6	10	
cis-1,3-Dichloropropene	ND	ug/l	5.0	1.4	10	
1,1-Dichloropropene	ND	ug/l	25	7.0	10	
Bromoform	ND	ug/l	20	6.5	10	
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	1.4	10	
Benzene	ND	ug/l	5.0	1.6	10	
Toluene	ND	ug/l	25	7.0	10	
Ethylbenzene	ND	ug/l	25	7.0	10	
Chloromethane	ND	ug/l	25	7.0	10	
Bromomethane	ND	ug/l	25	7.0	10	
Vinyl chloride	ND	ug/l	10	0.70	10	
Chloroethane	ND	ug/l	25	7.0	10	
1,1-Dichloroethene	ND	ug/l	5.0	1.4	10	
trans-1,2-Dichloroethene	ND	ug/l	25	7.0	10	
Trichloroethene	ND	ug/l	5.0	1.8	10	
1,2-Dichlorobenzene	ND	ug/l	25	7.0	10	
1,3-Dichlorobenzene	ND	ug/l	25	7.0	10	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	D		Date Collected:	08/30/16 18:00	
Client ID:	MW-10			Date Received:	09/01/16	
Sample Location:	GLOVERSVILLE, NY			Field Prep:	Not Specified	
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/l	25	7.0	10
Methyl tert butyl ether	ND		ug/l	25	7.0	10
p/m-Xylene	22	J	ug/l	25	7.0	10
o-Xylene	ND		ug/l	25	7.0	10
Xylenes, Total	22	J	ug/l	25	7.0	10
cis-1,2-Dichloroethene	ND		ug/l	25	7.0	10
Dibromomethane	ND		ug/l	50	10.	10
1,2,3-Trichloropropane	ND		ug/l	25	7.0	10
Acrylonitrile	ND		ug/l	50	15.	10
Styrene	ND		ug/l	25	7.0	10
Dichlorodifluoromethane	ND		ug/l	50	10.	10
Acetone	16	J	ug/l	50	15.	10
Carbon disulfide	ND		ug/l	50	10.	10
2-Butanone	ND		ug/l	50	19.	10
Vinyl acetate	ND		ug/l	50	10.	10
4-Methyl-2-pentanone	ND		ug/l	50	10.	10
2-Hexanone	ND		ug/l	50	10.	10
Bromochloromethane	ND		ug/l	25	7.0	10
2,2-Dichloropropane	ND		ug/l	25	7.0	10
1,2-Dibromoethane	ND		ug/l	20	6.5	10
1,3-Dichloropropane	ND		ug/l	25	7.0	10
1,1,1,2-Tetrachloroethane	ND		ug/l	25	7.0	10
Bromobenzene	ND		ug/l	25	7.0	10
n-Butylbenzene	ND		ug/l	25	7.0	10
sec-Butylbenzene	ND		ug/l	25	7.0	10
tert-Butylbenzene	ND		ug/l	25	7.0	10
o-Chlorotoluene	ND		ug/l	25	7.0	10
p-Chlorotoluene	ND		ug/l	25	7.0	10
1,2-Dibromo-3-chloropropane	ND		ug/l	25	7.0	10
Hexachlorobutadiene	ND		ug/l	25	7.0	10
Isopropylbenzene	ND		ug/l	25	7.0	10
p-Isopropyltoluene	ND		ug/l	25	7.0	10
Naphthalene	680		ug/l	25	7.0	10
n-Propylbenzene	ND		ug/l	25	7.0	10
1,2,3-Trichlorobenzene	ND		ug/l	25	7.0	10
1,2,4-Trichlorobenzene	ND		ug/l	25	7.0	10
1,3,5-Trimethylbenzene	26		ug/l	25	7.0	10
1,2,4-Trimethylbenzene	93		ug/l	25	7.0	10
1,4-Dioxane	ND		ug/l	2500	410	10

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	D	Date Collected:	08/30/16 18:00
Client ID:	MW-10		Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY		Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
p-Diethylbenzene	10	J	ug/l	20	7.0	10
p-Ethyltoluene	16	J	ug/l	20	7.0	10
1,2,4,5-Tetramethylbenzene	ND		ug/l	20	6.5	10
Ethyl ether	ND		ug/l	25	7.0	10
trans-1,4-Dichloro-2-butene	ND		ug/l	25	7.0	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-08	Date Collected:	08/30/16 16:50
Client ID:	OFF 33	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/08/16 19:46		
Analyst:	PK		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethane	ND	ug/l	2.5	0.70	1	
Chloroform	ND	ug/l	2.5	0.70	1	
Carbon tetrachloride	ND	ug/l	0.50	0.13	1	
1,2-Dichloropropane	ND	ug/l	1.0	0.13	1	
Dibromochloromethane	ND	ug/l	0.50	0.15	1	
1,1,2-Trichloroethane	ND	ug/l	1.5	0.50	1	
Tetrachloroethene	ND	ug/l	0.50	0.18	1	
Chlorobenzene	ND	ug/l	2.5	0.70	1	
Trichlorofluoromethane	ND	ug/l	2.5	0.70	1	
1,2-Dichloroethane	ND	ug/l	0.50	0.13	1	
1,1,1-Trichloroethane	ND	ug/l	2.5	0.70	1	
Bromodichloromethane	ND	ug/l	0.50	0.19	1	
trans-1,3-Dichloropropene	ND	ug/l	0.50	0.16	1	
cis-1,3-Dichloropropene	ND	ug/l	0.50	0.14	1	
1,1-Dichloropropene	ND	ug/l	2.5	0.70	1	
Bromoform	ND	ug/l	2.0	0.65	1	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	0.14	1	
Benzene	ND	ug/l	0.50	0.16	1	
Toluene	ND	ug/l	2.5	0.70	1	
Ethylbenzene	ND	ug/l	2.5	0.70	1	
Chloromethane	ND	ug/l	2.5	0.70	1	
Bromomethane	ND	ug/l	2.5	0.70	1	
Vinyl chloride	ND	ug/l	1.0	0.07	1	
Chloroethane	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethene	ND	ug/l	0.50	0.14	1	
trans-1,2-Dichloroethene	ND	ug/l	2.5	0.70	1	
Trichloroethene	ND	ug/l	0.50	0.18	1	
1,2-Dichlorobenzene	ND	ug/l	2.5	0.70	1	
1,3-Dichlorobenzene	ND	ug/l	2.5	0.70	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-08		Date Collected:	08/30/16 16:50		
Client ID:	OFF 33		Date Received:	09/01/16		
Sample Location:	GLOVERSVILLE, NY		Field Prep:	Not Specified		
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.0	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	1.9	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	1

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-08	Date Collected:	08/30/16 16:50
Client ID:	OFF 33	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-09	Date Collected:	08/30/16 17:40
Client ID:	OFF 35	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/08/16 20:20		
Analyst:	PK		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethane	ND	ug/l	2.5	0.70	1	
Chloroform	ND	ug/l	2.5	0.70	1	
Carbon tetrachloride	ND	ug/l	0.50	0.13	1	
1,2-Dichloropropane	ND	ug/l	1.0	0.13	1	
Dibromochloromethane	ND	ug/l	0.50	0.15	1	
1,1,2-Trichloroethane	ND	ug/l	1.5	0.50	1	
Tetrachloroethene	ND	ug/l	0.50	0.18	1	
Chlorobenzene	ND	ug/l	2.5	0.70	1	
Trichlorofluoromethane	ND	ug/l	2.5	0.70	1	
1,2-Dichloroethane	ND	ug/l	0.50	0.13	1	
1,1,1-Trichloroethane	ND	ug/l	2.5	0.70	1	
Bromodichloromethane	ND	ug/l	0.50	0.19	1	
trans-1,3-Dichloropropene	ND	ug/l	0.50	0.16	1	
cis-1,3-Dichloropropene	ND	ug/l	0.50	0.14	1	
1,1-Dichloropropene	ND	ug/l	2.5	0.70	1	
Bromoform	ND	ug/l	2.0	0.65	1	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	0.14	1	
Benzene	ND	ug/l	0.50	0.16	1	
Toluene	ND	ug/l	2.5	0.70	1	
Ethylbenzene	ND	ug/l	2.5	0.70	1	
Chloromethane	ND	ug/l	2.5	0.70	1	
Bromomethane	ND	ug/l	2.5	0.70	1	
Vinyl chloride	ND	ug/l	1.0	0.07	1	
Chloroethane	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethene	ND	ug/l	0.50	0.14	1	
trans-1,2-Dichloroethene	ND	ug/l	2.5	0.70	1	
Trichloroethene	ND	ug/l	0.50	0.18	1	
1,2-Dichlorobenzene	ND	ug/l	2.5	0.70	1	
1,3-Dichlorobenzene	ND	ug/l	2.5	0.70	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-09	Date Collected:	08/30/16 17:40			
Client ID:	OFF 35	Date Received:	09/01/16			
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified			
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND	ug/l	2.5	0.70	1	
Methyl tert butyl ether	ND	ug/l	2.5	0.70	1	
p/m-Xylene	ND	ug/l	2.5	0.70	1	
o-Xylene	ND	ug/l	2.5	0.70	1	
Xylenes, Total	ND	ug/l	2.5	0.70	1	
cis-1,2-Dichloroethene	ND	ug/l	2.5	0.70	1	
Dibromomethane	ND	ug/l	5.0	1.0	1	
1,2,3-Trichloropropane	ND	ug/l	2.5	0.70	1	
Acrylonitrile	ND	ug/l	5.0	1.5	1	
Styrene	ND	ug/l	2.5	0.70	1	
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	1	
Acetone	ND	ug/l	5.0	1.5	1	
Carbon disulfide	ND	ug/l	5.0	1.0	1	
2-Butanone	ND	ug/l	5.0	1.9	1	
Vinyl acetate	ND	ug/l	5.0	1.0	1	
4-Methyl-2-pentanone	ND	ug/l	5.0	1.0	1	
2-Hexanone	ND	ug/l	5.0	1.0	1	
Bromochloromethane	ND	ug/l	2.5	0.70	1	
2,2-Dichloropropane	ND	ug/l	2.5	0.70	1	
1,2-Dibromoethane	ND	ug/l	2.0	0.65	1	
1,3-Dichloropropane	ND	ug/l	2.5	0.70	1	
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5	0.70	1	
Bromobenzene	ND	ug/l	2.5	0.70	1	
n-Butylbenzene	ND	ug/l	2.5	0.70	1	
sec-Butylbenzene	ND	ug/l	2.5	0.70	1	
tert-Butylbenzene	ND	ug/l	2.5	0.70	1	
o-Chlorotoluene	ND	ug/l	2.5	0.70	1	
p-Chlorotoluene	ND	ug/l	2.5	0.70	1	
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5	0.70	1	
Hexachlorobutadiene	ND	ug/l	2.5	0.70	1	
Isopropylbenzene	ND	ug/l	2.5	0.70	1	
p-Isopropyltoluene	ND	ug/l	2.5	0.70	1	
Naphthalene	ND	ug/l	2.5	0.70	1	
n-Propylbenzene	ND	ug/l	2.5	0.70	1	
1,2,3-Trichlorobenzene	ND	ug/l	2.5	0.70	1	
1,2,4-Trichlorobenzene	ND	ug/l	2.5	0.70	1	
1,3,5-Trimethylbenzene	ND	ug/l	2.5	0.70	1	
1,2,4-Trimethylbenzene	ND	ug/l	2.5	0.70	1	
1,4-Dioxane	ND	ug/l	250	41.	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-09 Date Collected: 08/30/16 17:40  
 Client ID: OFF 35 Date Received: 09/01/16  
 Sample Location: GLOVERSVILLE, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-10	Date Collected:	08/30/16 00:00
Client ID:	TRIP BLANK	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water		
Analytical Method:	1,8260C		
Analytical Date:	09/08/16 20:55		
Analyst:	PK		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethane	ND	ug/l	2.5	0.70	1	
Chloroform	ND	ug/l	2.5	0.70	1	
Carbon tetrachloride	ND	ug/l	0.50	0.13	1	
1,2-Dichloropropane	ND	ug/l	1.0	0.13	1	
Dibromochloromethane	ND	ug/l	0.50	0.15	1	
1,1,2-Trichloroethane	ND	ug/l	1.5	0.50	1	
Tetrachloroethene	ND	ug/l	0.50	0.18	1	
Chlorobenzene	ND	ug/l	2.5	0.70	1	
Trichlorofluoromethane	ND	ug/l	2.5	0.70	1	
1,2-Dichloroethane	ND	ug/l	0.50	0.13	1	
1,1,1-Trichloroethane	ND	ug/l	2.5	0.70	1	
Bromodichloromethane	ND	ug/l	0.50	0.19	1	
trans-1,3-Dichloropropene	ND	ug/l	0.50	0.16	1	
cis-1,3-Dichloropropene	ND	ug/l	0.50	0.14	1	
1,1-Dichloropropene	ND	ug/l	2.5	0.70	1	
Bromoform	ND	ug/l	2.0	0.65	1	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	0.14	1	
Benzene	ND	ug/l	0.50	0.16	1	
Toluene	ND	ug/l	2.5	0.70	1	
Ethylbenzene	ND	ug/l	2.5	0.70	1	
Chloromethane	ND	ug/l	2.5	0.70	1	
Bromomethane	ND	ug/l	2.5	0.70	1	
Vinyl chloride	ND	ug/l	1.0	0.07	1	
Chloroethane	ND	ug/l	2.5	0.70	1	
1,1-Dichloroethene	ND	ug/l	0.50	0.14	1	
trans-1,2-Dichloroethene	ND	ug/l	2.5	0.70	1	
Trichloroethene	ND	ug/l	0.50	0.18	1	
1,2-Dichlorobenzene	ND	ug/l	2.5	0.70	1	
1,3-Dichlorobenzene	ND	ug/l	2.5	0.70	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-10	Date Collected:	08/30/16 00:00			
Client ID:	TRIP BLANK	Date Received:	09/01/16			
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified			
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,4-Dichlorobenzene	ND	ug/l	2.5	0.70	1	
Methyl tert butyl ether	ND	ug/l	2.5	0.70	1	
p/m-Xylene	ND	ug/l	2.5	0.70	1	
o-Xylene	ND	ug/l	2.5	0.70	1	
Xylenes, Total	ND	ug/l	2.5	0.70	1	
cis-1,2-Dichloroethene	ND	ug/l	2.5	0.70	1	
Dibromomethane	ND	ug/l	5.0	1.0	1	
1,2,3-Trichloropropane	ND	ug/l	2.5	0.70	1	
Acrylonitrile	ND	ug/l	5.0	1.5	1	
Styrene	ND	ug/l	2.5	0.70	1	
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	1	
Acetone	6.8	ug/l	5.0	1.5	1	
Carbon disulfide	ND	ug/l	5.0	1.0	1	
2-Butanone	ND	ug/l	5.0	1.9	1	
Vinyl acetate	ND	ug/l	5.0	1.0	1	
4-Methyl-2-pentanone	ND	ug/l	5.0	1.0	1	
2-Hexanone	ND	ug/l	5.0	1.0	1	
Bromochloromethane	ND	ug/l	2.5	0.70	1	
2,2-Dichloropropane	ND	ug/l	2.5	0.70	1	
1,2-Dibromoethane	ND	ug/l	2.0	0.65	1	
1,3-Dichloropropane	ND	ug/l	2.5	0.70	1	
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5	0.70	1	
Bromobenzene	ND	ug/l	2.5	0.70	1	
n-Butylbenzene	ND	ug/l	2.5	0.70	1	
sec-Butylbenzene	ND	ug/l	2.5	0.70	1	
tert-Butylbenzene	ND	ug/l	2.5	0.70	1	
o-Chlorotoluene	ND	ug/l	2.5	0.70	1	
p-Chlorotoluene	ND	ug/l	2.5	0.70	1	
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5	0.70	1	
Hexachlorobutadiene	ND	ug/l	2.5	0.70	1	
Isopropylbenzene	ND	ug/l	2.5	0.70	1	
p-Isopropyltoluene	ND	ug/l	2.5	0.70	1	
Naphthalene	ND	ug/l	2.5	0.70	1	
n-Propylbenzene	ND	ug/l	2.5	0.70	1	
1,2,3-Trichlorobenzene	ND	ug/l	2.5	0.70	1	
1,2,4-Trichlorobenzene	ND	ug/l	2.5	0.70	1	
1,3,5-Trimethylbenzene	ND	ug/l	2.5	0.70	1	
1,2,4-Trimethylbenzene	ND	ug/l	2.5	0.70	1	
1,4-Dioxane	ND	ug/l	250	41.	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-10	Date Collected:	08/30/16 00:00
Client ID:	TRIP BLANK	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 09/08/16 12:12  
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08-10 Batch: WG930048-5					
Methylene chloride	ND	ug/l	2.5	0.70	
1,1-Dichloroethane	ND	ug/l	2.5	0.70	
Chloroform	ND	ug/l	2.5	0.70	
Carbon tetrachloride	ND	ug/l	0.50	0.13	
1,2-Dichloropropane	ND	ug/l	1.0	0.13	
Dibromochloromethane	ND	ug/l	0.50	0.15	
1,1,2-Trichloroethane	ND	ug/l	1.5	0.50	
Tetrachloroethene	ND	ug/l	0.50	0.18	
Chlorobenzene	ND	ug/l	2.5	0.70	
Trichlorofluoromethane	ND	ug/l	2.5	0.70	
1,2-Dichloroethane	ND	ug/l	0.50	0.13	
1,1,1-Trichloroethane	ND	ug/l	2.5	0.70	
Bromodichloromethane	ND	ug/l	0.50	0.19	
trans-1,3-Dichloropropene	ND	ug/l	0.50	0.16	
cis-1,3-Dichloropropene	ND	ug/l	0.50	0.14	
1,1-Dichloropropene	ND	ug/l	2.5	0.70	
Bromoform	ND	ug/l	2.0	0.65	
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	0.14	
Benzene	ND	ug/l	0.50	0.16	
Toluene	ND	ug/l	2.5	0.70	
Ethylbenzene	ND	ug/l	2.5	0.70	
Chloromethane	ND	ug/l	2.5	0.70	
Bromomethane	ND	ug/l	2.5	0.70	
Vinyl chloride	ND	ug/l	1.0	0.07	
Chloroethane	ND	ug/l	2.5	0.70	
1,1-Dichloroethene	ND	ug/l	0.50	0.14	
trans-1,2-Dichloroethene	ND	ug/l	2.5	0.70	
Trichloroethene	ND	ug/l	0.50	0.18	
1,2-Dichlorobenzene	ND	ug/l	2.5	0.70	



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 09/08/16 12:12  
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08-10 Batch: WG930048-5					
1,3-Dichlorobenzene	ND	ug/l	2.5	0.70	
1,4-Dichlorobenzene	ND	ug/l	2.5	0.70	
Methyl tert butyl ether	ND	ug/l	2.5	0.70	
p/m-Xylene	ND	ug/l	2.5	0.70	
o-Xylene	ND	ug/l	2.5	0.70	
Xylenes, Total	ND	ug/l	2.5	0.70	
cis-1,2-Dichloroethene	ND	ug/l	2.5	0.70	
Dibromomethane	ND	ug/l	5.0	1.0	
1,2,3-Trichloropropane	ND	ug/l	2.5	0.70	
Acrylonitrile	ND	ug/l	5.0	1.5	
Styrene	ND	ug/l	2.5	0.70	
Dichlorodifluoromethane	ND	ug/l	5.0	1.0	
Acetone	ND	ug/l	5.0	1.5	
Carbon disulfide	ND	ug/l	5.0	1.0	
2-Butanone	ND	ug/l	5.0	1.9	
Vinyl acetate	ND	ug/l	5.0	1.0	
4-Methyl-2-pentanone	ND	ug/l	5.0	1.0	
2-Hexanone	ND	ug/l	5.0	1.0	
Bromochloromethane	ND	ug/l	2.5	0.70	
2,2-Dichloropropane	ND	ug/l	2.5	0.70	
1,2-Dibromoethane	ND	ug/l	2.0	0.65	
1,3-Dichloropropane	ND	ug/l	2.5	0.70	
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5	0.70	
Bromobenzene	ND	ug/l	2.5	0.70	
n-Butylbenzene	ND	ug/l	2.5	0.70	
sec-Butylbenzene	ND	ug/l	2.5	0.70	
tert-Butylbenzene	ND	ug/l	2.5	0.70	
o-Chlorotoluene	ND	ug/l	2.5	0.70	
p-Chlorotoluene	ND	ug/l	2.5	0.70	



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C  
Analytical Date: 09/08/16 12:12  
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08-10 Batch: WG930048-5					
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	41.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-10 Batch: WG930048-3 WG930048-4								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
2-Chloroethylvinyl ether	110		120		70-130	9		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	88		89		63-130	1		20
1,1,2-Trichloroethane	98		100		70-130	2		20
Tetrachloroethene	99		98		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	92		93		62-150	1		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	92		94		70-130	2		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	82		81		54-136	1		20
1,1,2,2-Tetrachloroethane	95		100		67-130	5		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-10 Batch: WG930048-3 WG930048-4								
Ethylbenzene	100		110		70-130	10		20
Chloromethane	97		97		64-130	0		20
Bromomethane	120		120		39-139	0		20
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	91		92		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	96		100		70-130	4		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	99		100		70-130	1		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		105		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	95		100		64-130	5		20
Acrylonitrile	96		100		70-130	4		20
Isopropyl Ether	110		110		70-130	0		20
tert-Butyl Alcohol	104		122		70-130	16		20
Styrene	110		110		70-130	0		20

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-10 Batch: WG930048-3 WG930048-4								
Dichlorodifluoromethane	87		87		36-147	0		20
Acetone	120		88		58-148	31	Q	20
Carbon disulfide	89		87		51-130	2		20
2-Butanone	110		100		63-138	10		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	88		91		59-130	3		20
2-Hexanone	89		96		57-130	8		20
Acrolein	87		88		40-160	1		20
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	130		130		63-133	0		20
1,2-Dibromoethane	97		100		70-130	3		20
1,3-Dichloropropane	99		100		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	100		110		70-130	10		20
1,2-Dibromo-3-chloropropane	75		78		41-144	4		20
Hexachlorobutadiene	90		93		63-130	3		20

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-10 Batch: WG930048-3 WG930048-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	69	Q	77		70-130	11		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	71		78		70-130	9		20
1,2,4-Trichlorobenzene	86		91		70-130	6		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
Methyl Acetate	97		100		70-130	3		20
Ethyl Acetate	120		120		70-130	0		20
Cyclohexane	94		92		70-130	2		20
Ethyl-Tert-Butyl-Ether	110		120		70-130	9		20
Tertiary-Amyl Methyl Ether	100		110		66-130	10		20
1,4-Dioxane	124		130		56-162	5		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	92		91		70-130	1		20
p-Diethylbenzene	100		100		70-130	0		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	99		100		70-130	1		20
Tetrahydrofuran	100		94		58-130	6		20
Ethyl ether	97		100		59-134	3		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

<b>Parameter</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<i>%Recovery</i> <i>Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> <i>Limits</i>
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-10 Batch: WG930048-3 WG930048-4								
Iodomethane	80		83		70-130	4		20
Methyl cyclohexane	94		94		70-130	0		20

<b>Surrogate</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<b>Acceptance Criteria</b>
1,2-Dichloroethane-d4	105		104		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	108		106		70-130
Dibromofluoromethane	100		100		70-130

# **SEMIVOLATILES**



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-03  
Client ID: MW-7  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 09/08/16 18:07  
Analyst: HL

Date Collected: 08/30/16 11:50  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Bis(2-chloroethyl)ether	ND	ug/l	2.0	0.67	1	
3,3'-Dichlorobenzidine	ND	ug/l	5.0	1.4	1	
2,4-Dinitrotoluene	ND	ug/l	5.0	0.84	1	
2,6-Dinitrotoluene	ND	ug/l	5.0	1.1	1	
4-Chlorophenyl phenyl ether	ND	ug/l	2.0	0.62	1	
4-Bromophenyl phenyl ether	ND	ug/l	2.0	0.73	1	
Bis(2-chloroisopropyl)ether	ND	ug/l	2.0	0.70	1	
Bis(2-chloroethoxy)methane	ND	ug/l	5.0	0.63	1	
Hexachlorocyclopentadiene	ND	ug/l	20	7.8	1	
Isophorone	ND	ug/l	5.0	0.60	1	
Nitrobenzene	ND	ug/l	2.0	0.75	1	
NDPA/DPA	ND	ug/l	2.0	0.64	1	
n-Nitrosodi-n-propylamine	ND	ug/l	5.0	0.70	1	
Bis(2-ethylhexyl)phthalate	ND	ug/l	3.0	0.91	1	
Butyl benzyl phthalate	ND	ug/l	5.0	1.3	1	
Di-n-butylphthalate	ND	ug/l	5.0	0.69	1	
Di-n-octylphthalate	ND	ug/l	5.0	1.1	1	
Diethyl phthalate	ND	ug/l	5.0	0.63	1	
Dimethyl phthalate	ND	ug/l	5.0	0.65	1	
Biphenyl	ND	ug/l	2.0	0.76	1	
4-Chloroaniline	ND	ug/l	5.0	0.63	1	
2-Nitroaniline	ND	ug/l	5.0	1.1	1	
3-Nitroaniline	ND	ug/l	5.0	1.1	1	
4-Nitroaniline	ND	ug/l	5.0	1.3	1	
Dibenzofuran	ND	ug/l	2.0	0.66	1	
1,2,4,5-Tetrachlorobenzene	ND	ug/l	10	0.67	1	
Acetophenone	ND	ug/l	5.0	0.85	1	
2,4,6-Trichlorophenol	ND	ug/l	5.0	0.68	1	
p-Chloro-m-cresol	ND	ug/l	2.0	0.62	1	
2-Chlorophenol	ND	ug/l	2.0	0.63	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-03	Date Collected:	08/30/16 11:50
Client ID:	MW-7	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4-Dichlorophenol	ND	ug/l	5.0	0.77	1	
2,4-Dimethylphenol	ND	ug/l	5.0	1.6	1	
2-Nitrophenol	ND	ug/l	10	1.5	1	
4-Nitrophenol	ND	ug/l	10	1.8	1	
2,4-Dinitrophenol	ND	ug/l	20	5.5	1	
4,6-Dinitro-o-cresol	ND	ug/l	10	2.1	1	
Phenol	ND	ug/l	5.0	1.9	1	
3-Methylphenol/4-Methylphenol	ND	ug/l	5.0	1.1	1	
2,4,5-Trichlorophenol	ND	ug/l	5.0	0.72	1	
Carbazole	ND	ug/l	2.0	0.63	1	
Atrazine	ND	ug/l	10	1.8	1	
Benzaldehyde	ND	ug/l	5.0	1.1	1	
Caprolactam	ND	ug/l	10	3.6	1	
2,3,4,6-Tetrachlorophenol	ND	ug/l	5.0	0.93	1	

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	72		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-03  
Client ID: MW-7  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 09/08/16 06:24  
Analyst: KL

Date Collected: 08/30/16 11:50  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.04	J	ug/l	0.10	0.04	1
2-Chloronaphthalene	0.16	J	ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.83		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	0.05	J	ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-03	Date Collected:	08/30/16 11:50
Client ID:	MW-7	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	102		15-120
2,4,6-Tribromophenol	100		10-120
4-Terphenyl-d14	107		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-06  
Client ID: MW-10  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 09/08/16 18:33  
Analyst: HL

Date Collected: 08/30/16 18:00  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	0.95	J	ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	Date Collected:	08/30/16 18:00
Client ID:	MW-10	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	2.0	J	ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1
Atrazine	ND		ug/l	10	1.8	1
Benzaldehyde	ND		ug/l	5.0	1.1	1
Caprolactam	ND		ug/l	10	3.6	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	71		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-06  
Client ID: MW-10  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 09/08/16 06:53  
Analyst: KL

Date Collected: 08/30/16 18:00  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	0.20		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	370	E	ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	0.04	J	ug/l	0.20	0.04	1
Anthracene	0.05	J	ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	0.08	J	ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	1.6		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	Date Collected:	08/30/16 18:00
Client ID:	MW-10	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	90		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	D	Date Collected:	08/30/16 18:00
Client ID:	MW-10		Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY		Field Prep:	Not Specified
Matrix:	Water		Extraction Method:	EPA 3510C
Analytical Method:	1,8270D-SIM		Extraction Date:	09/03/16 18:18
Analytical Date:	09/08/16 14:16			
Analyst:	KL			

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Naphthalene	650		ug/l	8.0	1.7	40

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-08  
Client ID: OFF 33  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 09/08/16 18:58  
Analyst: HL

Date Collected: 08/30/16 16:50  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Bis(2-chloroethyl)ether	ND	ug/l	2.0	0.67	1	
3,3'-Dichlorobenzidine	ND	ug/l	5.0	1.4	1	
2,4-Dinitrotoluene	ND	ug/l	5.0	0.84	1	
2,6-Dinitrotoluene	ND	ug/l	5.0	1.1	1	
4-Chlorophenyl phenyl ether	ND	ug/l	2.0	0.62	1	
4-Bromophenyl phenyl ether	ND	ug/l	2.0	0.73	1	
Bis(2-chloroisopropyl)ether	ND	ug/l	2.0	0.70	1	
Bis(2-chloroethoxy)methane	ND	ug/l	5.0	0.63	1	
Hexachlorocyclopentadiene	ND	ug/l	20	7.8	1	
Isophorone	ND	ug/l	5.0	0.60	1	
Nitrobenzene	ND	ug/l	2.0	0.75	1	
NDPA/DPA	ND	ug/l	2.0	0.64	1	
n-Nitrosodi-n-propylamine	ND	ug/l	5.0	0.70	1	
Bis(2-ethylhexyl)phthalate	ND	ug/l	3.0	0.91	1	
Butyl benzyl phthalate	ND	ug/l	5.0	1.3	1	
Di-n-butylphthalate	ND	ug/l	5.0	0.69	1	
Di-n-octylphthalate	ND	ug/l	5.0	1.1	1	
Diethyl phthalate	ND	ug/l	5.0	0.63	1	
Dimethyl phthalate	ND	ug/l	5.0	0.65	1	
Biphenyl	ND	ug/l	2.0	0.76	1	
4-Chloroaniline	ND	ug/l	5.0	0.63	1	
2-Nitroaniline	ND	ug/l	5.0	1.1	1	
3-Nitroaniline	ND	ug/l	5.0	1.1	1	
4-Nitroaniline	ND	ug/l	5.0	1.3	1	
Dibenzofuran	ND	ug/l	2.0	0.66	1	
1,2,4,5-Tetrachlorobenzene	ND	ug/l	10	0.67	1	
Acetophenone	ND	ug/l	5.0	0.85	1	
2,4,6-Trichlorophenol	ND	ug/l	5.0	0.68	1	
p-Chloro-m-cresol	ND	ug/l	2.0	0.62	1	
2-Chlorophenol	ND	ug/l	2.0	0.63	1	



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-08	Date Collected:	08/30/16 16:50
Client ID:	OFF 33	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4-Dichlorophenol	ND	ug/l	5.0	0.77	1	
2,4-Dimethylphenol	ND	ug/l	5.0	1.6	1	
2-Nitrophenol	ND	ug/l	10	1.5	1	
4-Nitrophenol	ND	ug/l	10	1.8	1	
2,4-Dinitrophenol	ND	ug/l	20	5.5	1	
4,6-Dinitro-o-cresol	ND	ug/l	10	2.1	1	
Phenol	ND	ug/l	5.0	1.9	1	
3-Methylphenol/4-Methylphenol	ND	ug/l	5.0	1.1	1	
2,4,5-Trichlorophenol	ND	ug/l	5.0	0.72	1	
Carbazole	ND	ug/l	2.0	0.63	1	
Atrazine	ND	ug/l	10	1.8	1	
Benzaldehyde	ND	ug/l	5.0	1.1	1	
Caprolactam	ND	ug/l	10	3.6	1	
2,3,4,6-Tetrachlorophenol	ND	ug/l	5.0	0.93	1	

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	36		10-120
4-Terphenyl-d14	58		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-08  
Client ID: OFF 33  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 09/08/16 07:23  
Analyst: KL

Date Collected: 08/30/16 16:50  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	0.14	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	0.08	J	ug/l	0.20	0.02	1
Benzo(a)pyrene	0.06	J	ug/l	0.20	0.04	1
Benzo(b)fluoranthene	0.12	J	ug/l	0.20	0.02	1
Benzo(k)fluoranthene	0.05	J	ug/l	0.20	0.04	1
Chrysene	0.07	J	ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	0.07	J	ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	0.07	J	ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	0.06	J	ug/l	0.20	0.04	1
Pyrene	0.12	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	1.7		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-08	Date Collected:	08/30/16 16:50
Client ID:	OFF 33	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	83		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-09  
Client ID: OFF 35  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D  
Analytical Date: 09/08/16 19:24  
Analyst: HL

Date Collected: 08/30/16 17:40  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Bis(2-chloroethyl)ether	ND	ug/l	2.0	0.67	1	
3,3'-Dichlorobenzidine	ND	ug/l	5.0	1.4	1	
2,4-Dinitrotoluene	ND	ug/l	5.0	0.84	1	
2,6-Dinitrotoluene	ND	ug/l	5.0	1.1	1	
4-Chlorophenyl phenyl ether	ND	ug/l	2.0	0.62	1	
4-Bromophenyl phenyl ether	ND	ug/l	2.0	0.73	1	
Bis(2-chloroisopropyl)ether	ND	ug/l	2.0	0.70	1	
Bis(2-chloroethoxy)methane	ND	ug/l	5.0	0.63	1	
Hexachlorocyclopentadiene	ND	ug/l	20	7.8	1	
Isophorone	ND	ug/l	5.0	0.60	1	
Nitrobenzene	ND	ug/l	2.0	0.75	1	
NDPA/DPA	ND	ug/l	2.0	0.64	1	
n-Nitrosodi-n-propylamine	ND	ug/l	5.0	0.70	1	
Bis(2-ethylhexyl)phthalate	ND	ug/l	3.0	0.91	1	
Butyl benzyl phthalate	ND	ug/l	5.0	1.3	1	
Di-n-butylphthalate	ND	ug/l	5.0	0.69	1	
Di-n-octylphthalate	ND	ug/l	5.0	1.1	1	
Diethyl phthalate	ND	ug/l	5.0	0.63	1	
Dimethyl phthalate	ND	ug/l	5.0	0.65	1	
Biphenyl	ND	ug/l	2.0	0.76	1	
4-Chloroaniline	ND	ug/l	5.0	0.63	1	
2-Nitroaniline	ND	ug/l	5.0	1.1	1	
3-Nitroaniline	ND	ug/l	5.0	1.1	1	
4-Nitroaniline	ND	ug/l	5.0	1.3	1	
Dibenzofuran	ND	ug/l	2.0	0.66	1	
1,2,4,5-Tetrachlorobenzene	ND	ug/l	10	0.67	1	
Acetophenone	ND	ug/l	5.0	0.85	1	
2,4,6-Trichlorophenol	ND	ug/l	5.0	0.68	1	
p-Chloro-m-cresol	ND	ug/l	2.0	0.62	1	
2-Chlorophenol	ND	ug/l	2.0	0.63	1	



Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-09	Date Collected:	08/30/16 17:40
Client ID:	OFF 35	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4-Dichlorophenol	ND	ug/l	5.0	0.77	1	
2,4-Dimethylphenol	ND	ug/l	5.0	1.6	1	
2-Nitrophenol	ND	ug/l	10	1.5	1	
4-Nitrophenol	ND	ug/l	10	1.8	1	
2,4-Dinitrophenol	ND	ug/l	20	5.5	1	
4,6-Dinitro-o-cresol	ND	ug/l	10	2.1	1	
Phenol	ND	ug/l	5.0	1.9	1	
3-Methylphenol/4-Methylphenol	ND	ug/l	5.0	1.1	1	
2,4,5-Trichlorophenol	ND	ug/l	5.0	0.72	1	
Carbazole	ND	ug/l	2.0	0.63	1	
Atrazine	ND	ug/l	10	1.8	1	
Benzaldehyde	ND	ug/l	5.0	1.1	1	
Caprolactam	ND	ug/l	10	3.6	1	
2,3,4,6-Tetrachlorophenol	ND	ug/l	5.0	0.93	1	

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	73		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-09  
Client ID: OFF 35  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8270D-SIM  
Analytical Date: 09/08/16 07:53  
Analyst: KL

Date Collected: 08/30/16 17:40  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS-SIM - Westborough Lab</b>						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	0.08	J	ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	0.07	J	ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: INDEPENDENT LEATHER

Lab Number: L1627625

Project Number: 10.1125

Report Date: 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-09	Date Collected:	08/30/16 17:40
Client ID:	OFF 35	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	101		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 09/08/16 12:31  
Analyst: HL

Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08-09 Batch: WG928824-1					
Bis(2-chloroethyl)ether	ND	ug/l	2.0	0.67	
3,3'-Dichlorobenzidine	ND	ug/l	5.0	1.4	
2,4-Dinitrotoluene	ND	ug/l	5.0	0.84	
2,6-Dinitrotoluene	ND	ug/l	5.0	1.1	
4-Chlorophenyl phenyl ether	ND	ug/l	2.0	0.62	
4-Bromophenyl phenyl ether	ND	ug/l	2.0	0.73	
Bis(2-chloroisopropyl)ether	ND	ug/l	2.0	0.70	
Bis(2-chloroethoxy)methane	ND	ug/l	5.0	0.63	
Hexachlorocyclopentadiene	ND	ug/l	20	7.8	
Isophorone	ND	ug/l	5.0	0.60	
Nitrobenzene	ND	ug/l	2.0	0.75	
NDPA/DPA	ND	ug/l	2.0	0.64	
n-Nitrosodi-n-propylamine	ND	ug/l	5.0	0.70	
Bis(2-ethylhexyl)phthalate	ND	ug/l	3.0	0.91	
Butyl benzyl phthalate	ND	ug/l	5.0	1.3	
Di-n-butylphthalate	ND	ug/l	5.0	0.69	
Di-n-octylphthalate	ND	ug/l	5.0	1.1	
Diethyl phthalate	ND	ug/l	5.0	0.63	
Dimethyl phthalate	ND	ug/l	5.0	0.65	
Biphenyl	ND	ug/l	2.0	0.76	
4-Chloroaniline	ND	ug/l	5.0	0.63	
2-Nitroaniline	ND	ug/l	5.0	1.1	
3-Nitroaniline	ND	ug/l	5.0	1.1	
4-Nitroaniline	ND	ug/l	5.0	1.3	
Dibenzofuran	ND	ug/l	2.0	0.66	
1,2,4,5-Tetrachlorobenzene	ND	ug/l	10	0.67	
Acetophenone	ND	ug/l	5.0	0.85	
2,4,6-Trichlorophenol	ND	ug/l	5.0	0.68	
p-Chloro-m-cresol	ND	ug/l	2.0	0.62	



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 09/08/16 12:31  
Analyst: HL

Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,06,08-09 Batch: WG928824-1					
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Carbazole	ND		ug/l	2.0	0.63
Atrazine	ND		ug/l	10	1.8
Benzaldehyde	ND		ug/l	5.0	1.1
Caprolactam	ND		ug/l	10	3.6
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.93

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	67		41-149

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 09/07/16 23:30  
Analyst: KL

Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,06,08-09 Batch: WG928825-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	ND		ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	ND		ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D-SIM  
Analytical Date: 09/07/16 23:30  
Analyst: KL

Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 18:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03,06,08-09 Batch: WG928825-1					

Surrogate	%Recovery	Qualifier	Acceptance
			Criteria
2-Fluorophenol	48		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	86		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	94		41-149

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928824-2 WG928824-3								
Acenaphthene	60		50		37-111	18		30
Benzidine	0	Q	0	Q	10-75	NC		30
1,2,4-Trichlorobenzene	46		41		39-98	11		30
Hexachlorobenzene	67		58		40-140	14		30
Bis(2-chloroethyl)ether	61		54		40-140	12		30
2-Chloronaphthalene	56		46		40-140	20		30
1,2-Dichlorobenzene	46		45		40-140	2		30
1,3-Dichlorobenzene	43		43		40-140	0		30
1,4-Dichlorobenzene	43		44		36-97	2		30
3,3'-Dichlorobenzidine	61		46		40-140	28		30
2,4-Dinitrotoluene	86		74		24-96	15		30
2,6-Dinitrotoluene	77		67		40-140	14		30
Azobenzene	69		59		40-140	16		30
Fluoranthene	71		61		40-140	15		30
4-Chlorophenyl phenyl ether	64		54		40-140	17		30
4-Bromophenyl phenyl ether	66		56		40-140	16		30
Bis(2-chloroisopropyl)ether	57		48		40-140	17		30
Bis(2-chloroethoxy)methane	67		57		40-140	16		30
Hexachlorobutadiene	44		38	Q	40-140	15		30
Hexachlorocyclopentadiene	53		47		40-140	12		30
Hexachloroethane	45		44		40-140	2		30

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928824-2 WG928824-3								
Isophorone	73		64		40-140	13		30
Naphthalene	54		45		40-140	18		30
Nitrobenzene	74		63		40-140	16		30
NitrosoDiPhenylAmine(NDPA)/DPA	65		54		40-140	18		30
n-Nitrosodi-n-propylamine	71		58		29-132	20		30
Bis(2-Ethylhexyl)phthalate	81		69		40-140	16		30
Butyl benzyl phthalate	86		73		40-140	16		30
Di-n-butylphthalate	81		68		40-140	17		30
Di-n-octylphthalate	91		78		40-140	15		30
Diethyl phthalate	74		64		40-140	14		30
Dimethyl phthalate	77		66		40-140	15		30
Benzo(a)anthracene	70		61		40-140	14		30
Benzo(a)pyrene	72		61		40-140	17		30
Benzo(b)fluoranthene	67		59		40-140	13		30
Benzo(k)fluoranthene	79		66		40-140	18		30
Chrysene	68		59		40-140	14		30
Acenaphthylene	67		57		45-123	16		30
Anthracene	70		60		40-140	15		30
Benzo(ghi)perylene	73		62		40-140	16		30
Fluorene	67		58		40-140	14		30
Phenanthrene	64		55		40-140	15		30

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928824-2 WG928824-3								
Dibenzo(a,h)anthracene	75		65		40-140	14		30
Indeno(1,2,3-cd)Pyrene	75		65		40-140	14		30
Pyrene	68		59		26-127	14		30
Biphenyl	62		52		40-140	18		30
Aniline	24	Q	19	Q	40-140	23		30
4-Chloroaniline	36	Q	28	Q	40-140	25		30
1-Methylnaphthalene	56		48		41-103	15		30
2-Nitroaniline	87		74		52-143	16		30
3-Nitroaniline	68		56		25-145	19		30
4-Nitroaniline	65		56		51-143	15		30
Dibenzofuran	63		54		40-140	15		30
2-Methylnaphthalene	54		44		40-140	20		30
1,2,4,5-Tetrachlorobenzene	55		45		2-134	20		30
Acetophenone	72		62		39-129	15		30
n-Nitrosodimethylamine	35		36		22-74	3		30
2,4,6-Trichlorophenol	69		59		30-130	16		30
P-Chloro-M-Cresol	80		68		23-97	16		30
2-Chlorophenol	70		60		27-123	15		30
2,4-Dichlorophenol	78		65		30-130	18		30
2,4-Dimethylphenol	24	Q	13	Q	30-130	59	Q	30
2-Nitrophenol	98		86		30-130	13		30

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928824-2 WG928824-3								
4-Nitrophenol	51		45		10-80	13		30
2,4-Dinitrophenol	129		116		20-130	11		30
4,6-Dinitro-o-cresol	118		102		20-164	15		30
Pentachlorophenol	72		63		9-103	13		30
Phenol	32		26		12-110	21		30
2-Methylphenol	56		44		30-130	24		30
3-Methylphenol/4-Methylphenol	59		50		30-130	17		30
2,4,5-Trichlorophenol	84		70		30-130	18		30
Benzoic Acid	40		37		10-164	8		30
Benzyl Alcohol	62		54		26-116	14		30
Carbazole	70		60		55-144	15		30
Pyridine	11		13		10-66	17		30
Parathion, ethyl	127		112		40-140	13		30
Atrazine	91		79		40-140	14		30
Benzaldehyde	56		50		40-140	11		30
Caprolactam	24		20		10-130	18		30
2,3,4,6-Tetrachlorophenol	80		67		40-140	18		30

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

<b>Parameter</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<i>%Recovery</i> <i>Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> <i>Limits</i>
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928824-2 WG928824-3								
<b>Surrogate</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<b>Acceptance Criteria</b>			
2-Fluorophenol	46		40		21-120			
Phenol-d6	34		28		10-120			
Nitrobenzene-d5	80		68		23-120			
2-Fluorobiphenyl	66		55		15-120			
2,4,6-Tribromophenol	71		61		10-120			
4-Terphenyl-d14	67		57		41-149			

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928825-2 WG928825-3								
Acenaphthene	83		74		37-111	11		40
2-Chloronaphthalene	78		69		40-140	12		40
Fluoranthene	92		85		40-140	8		40
Hexachlorobutadiene	61		54		40-140	12		40
Naphthalene	73		63		40-140	15		40
Benzo(a)anthracene	88		81		40-140	8		40
Benzo(a)pyrene	88		80		40-140	10		40
Benzo(b)fluoranthene	98		91		40-140	7		40
Benzo(k)fluoranthene	94		88		40-140	7		40
Chrysene	86		79		40-140	8		40
Acenaphthylene	72		65		40-140	10		40
Anthracene	86		77		40-140	11		40
Benzo(ghi)perylene	89		82		40-140	8		40
Fluorene	86		78		40-140	10		40
Phenanthrene	88		81		40-140	8		40
Dibenzo(a,h)anthracene	93		85		40-140	9		40
Indeno(1,2,3-cd)pyrene	89		82		40-140	8		40
Pyrene	84		77		26-127	9		40
1-Methylnaphthalene	78		68		40-140	14		40
2-Methylnaphthalene	78		69		40-140	12		40
Pentachlorophenol	87		80		9-103	8		40

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

<b>Parameter</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<i>%Recovery</i> <i>Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> <i>Limits</i>
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03,06,08-09 Batch: WG928825-2 WG928825-3								
Hexachlorobenzene	87		80		40-140	8		40
Hexachloroethane	62		52		40-140	18		40

<b>Surrogate</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<b>Acceptance Criteria</b>
2-Fluorophenol	45		37		21-120
Phenol-d6	34		28		10-120
Nitrobenzene-d5	74		63		23-120
2-Fluorobiphenyl	79		68		15-120
2,4,6-Tribromophenol	86		75		10-120
4-Terphenyl-d14	90		81		41-149

# **PESTICIDES**

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-02  
Client ID: MW-6  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water  
Analytical Method: 1,8081B  
Analytical Date: 09/04/16 21:46  
Analyst: KEG

Date Collected: 08/30/16 10:55  
Date Received: 09/01/16  
Field Prep: Not Specified  
Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	83		30-150	B

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-03	Date Collected:	08/30/16 11:50
Client ID:	MW-7	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/03/16 15:17
Analytical Date:	09/04/16 21:59		
Analyst:	KEG		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	67		30-150	B

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID:	L1627625-06	Date Collected:	08/30/16 18:00
Client ID:	MW-10	Date Received:	09/01/16
Sample Location:	GLOVERSVILLE, NY	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	09/03/16 15:17
Analytical Date:	09/04/16 22:12		
Analyst:	KEG		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	<b>23</b>	Q	30-150	B

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 09/04/16 19:35  
Analyst: KEG

Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03,06 Batch: WG928815-1						
Delta-BHC	ND	ug/l	0.020	0.005	A	
Lindane	ND	ug/l	0.020	0.004	A	
Alpha-BHC	ND	ug/l	0.020	0.004	A	
Beta-BHC	ND	ug/l	0.020	0.006	A	
Heptachlor	ND	ug/l	0.020	0.003	A	
Aldrin	ND	ug/l	0.020	0.002	A	
Heptachlor epoxide	ND	ug/l	0.020	0.004	A	
Endrin	ND	ug/l	0.040	0.004	A	
Endrin aldehyde	ND	ug/l	0.040	0.008	A	
Endrin ketone	ND	ug/l	0.040	0.005	A	
Dieldrin	ND	ug/l	0.040	0.004	A	
4,4'-DDE	ND	ug/l	0.040	0.004	A	
4,4'-DDD	ND	ug/l	0.040	0.005	A	
4,4'-DDT	ND	ug/l	0.040	0.004	A	
Endosulfan I	ND	ug/l	0.020	0.003	A	
Endosulfan II	ND	ug/l	0.040	0.005	A	
Endosulfan sulfate	ND	ug/l	0.040	0.005	A	
Methoxychlor	ND	ug/l	0.200	0.007	A	
Toxaphene	ND	ug/l	0.200	0.063	A	
cis-Chlordane	ND	ug/l	0.020	0.007	A	
trans-Chlordane	ND	ug/l	0.020	0.006	A	
Chlordane	ND	ug/l	0.200	0.046	A	



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
Analytical Date: 09/04/16 19:35  
Analyst: KEG

Extraction Method: EPA 3510C  
Extraction Date: 09/03/16 15:17

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-03,06 Batch: WG928815-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	89		30-150	B

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,06 Batch: WG928815-2 WG928815-3									
Delta-BHC	59		70		30-150	18		20	A
Lindane	86		103		30-150	18		20	A
Alpha-BHC	89		108		30-150	19		20	A
Beta-BHC	80		96		30-150	17		20	A
Heptachlor	80		94		30-150	17		20	A
Aldrin	89		106		30-150	18		20	A
Heptachlor epoxide	84		101		30-150	19		20	A
Endrin	98		102		30-150	4		20	A
Endrin aldehyde	95		113		30-150	18		20	A
Endrin ketone	110		132		30-150	18		20	A
Dieldrin	96		117		30-150	20		20	A
4,4'-DDE	93		115		30-150	22	Q	20	A
4,4'-DDD	107		130		30-150	19		20	A
4,4'-DDT	66		74		30-150	11		20	A
Endosulfan I	94		113		30-150	18		20	A
Endosulfan II	97		114		30-150	16		20	A
Endosulfan sulfate	137		156	Q	30-150	13		20	A
Methoxychlor	54		60		30-150	9		20	A
cis-Chlordane	81		98		30-150	19		20	A
trans-Chlordane	82		97		30-150	17		20	A

# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

<b>Parameter</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<i>%Recovery</i> <i>Limits</i>	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> <i>Limits</i>
	Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-03,06 Batch: WG928815-2 WG928815-3							
<b>Surrogate</b>	<i>LCS</i> <i>%Recovery</i>	<i>Qual</i>	<i>LCSD</i> <i>%Recovery</i>	<i>Qual</i>	<i>Acceptance</i> <i>Criteria</i>		<i>Column</i>	
2,4,5,6-Tetrachloro-m-xylene	90		102		30-150		A	
Decachlorobiphenyl	123		138		30-150		A	
2,4,5,6-Tetrachloro-m-xylene	97		111		30-150		B	
Decachlorobiphenyl	95		107		30-150		B	

## METALS



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-01  
Client ID: MW-5  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 10:05  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.038		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 14:55	EPA 3005A	1,6010C	PS
Chromium, Total	0.005	J	mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:55	EPA 3005A	1,6010C	PS
Iron, Total	3.3		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 14:55	EPA 3005A	1,6010C	PS
Magnesium, Total	12		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 14:55	EPA 3005A	1,6010C	PS
Manganese, Total	0.315		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:55	EPA 3005A	1,6010C	PS
Sodium, Total	150		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 14:55	EPA 3005A	1,6010C	PS



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-02  
Client ID: MW-6  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 10:55  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 14:59	EPA 3005A	1,6010C	AB
Chromium, Total	ND		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 14:59	EPA 3005A	1,6010C	AB
Iron, Total	2.3		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 14:59	EPA 3005A	1,6010C	AB
Magnesium, Total	13		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 14:59	EPA 3005A	1,6010C	AB
Manganese, Total	0.239		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 14:59	EPA 3005A	1,6010C	AB
Sodium, Total	84		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 14:59	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-03  
Client ID: MW-7  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 11:50  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.158		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 15:03	EPA 3005A	1,6010C	AB
Chromium, Total	ND		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 15:03	EPA 3005A	1,6010C	AB
Iron, Total	23		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 15:03	EPA 3005A	1,6010C	AB
Magnesium, Total	8.7		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 15:03	EPA 3005A	1,6010C	AB
Manganese, Total	1.08		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:03	EPA 3005A	1,6010C	AB
Sodium, Total	120		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 15:03	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-04  
Client ID: MW-8  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 14:50  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	2.20		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 15:07	EPA 3005A	1,6010C	AB
Chromium, Total	ND		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 15:07	EPA 3005A	1,6010C	AB
Iron, Total	4.0		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 15:07	EPA 3005A	1,6010C	AB
Magnesium, Total	11		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 15:07	EPA 3005A	1,6010C	AB
Manganese, Total	1.03		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:07	EPA 3005A	1,6010C	AB
Sodium, Total	92		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 15:07	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-05  
Client ID: MW-9  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 14:35  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	ND		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 15:11	EPA 3005A	1,6010C	AB
Chromium, Total	0.002	J	mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:11	EPA 3005A	1,6010C	AB
Iron, Total	0.048	J	mg/l	0.050	0.020	1	09/07/16 08:00	09/07/16 15:11	EPA 3005A	1,6010C	AB
Magnesium, Total	10		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 15:11	EPA 3005A	1,6010C	AB
Manganese, Total	0.002	J	mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:11	EPA 3005A	1,6010C	AB
Sodium, Total	31		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 15:11	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-06  
Client ID: MW-10  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 18:00  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.041		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 15:16	EPA 3005A	1,6010C	AB
Chromium, Total	0.06		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 15:16	EPA 3005A	1,6010C	AB
Iron, Total	18		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 15:16	EPA 3005A	1,6010C	AB
Magnesium, Total	36		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 15:16	EPA 3005A	1,6010C	AB
Manganese, Total	0.230		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:16	EPA 3005A	1,6010C	AB
Sodium, Total	29		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 15:16	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-07  
Client ID: MW-11  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 16:30  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.554		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 15:20	EPA 3005A	1,6010C	AB
Chromium, Total	0.01		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 15:20	EPA 3005A	1,6010C	AB
Iron, Total	14		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 15:20	EPA 3005A	1,6010C	AB
Magnesium, Total	11		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 15:20	EPA 3005A	1,6010C	AB
Manganese, Total	0.284		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:20	EPA 3005A	1,6010C	AB
Sodium, Total	11		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 15:20	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-08  
Client ID: OFF 33  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 16:50  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.007		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 15:24	EPA 3005A	1,6010C	AB
Chromium, Total	0.04		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 15:24	EPA 3005A	1,6010C	AB
Iron, Total	11		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 15:24	EPA 3005A	1,6010C	AB
Magnesium, Total	7.8		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 15:24	EPA 3005A	1,6010C	AB
Manganese, Total	0.123		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 15:24	EPA 3005A	1,6010C	AB
Sodium, Total	42		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 15:24	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**SAMPLE RESULTS**

Lab ID: L1627625-09  
Client ID: OFF 35  
Sample Location: GLOVERSVILLE, NY  
Matrix: Water

Date Collected: 08/30/16 17:40  
Date Received: 09/01/16  
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Arsenic, Total	0.011		mg/l	0.005	0.002	1	09/07/16 08:00	09/07/16 16:09	EPA 3005A	1,6010C	AB
Chromium, Total	0.24		mg/l	0.01	0.002	1	09/07/16 08:00	09/07/16 16:09	EPA 3005A	1,6010C	AB
Iron, Total	6.2		mg/l	0.05	0.02	1	09/07/16 08:00	09/07/16 16:09	EPA 3005A	1,6010C	AB
Magnesium, Total	16		mg/l	0.10	0.01	1	09/07/16 08:00	09/07/16 16:09	EPA 3005A	1,6010C	AB
Manganese, Total	0.185		mg/l	0.010	0.002	1	09/07/16 08:00	09/07/16 16:09	EPA 3005A	1,6010C	AB
Sodium, Total	22		mg/l	2.0	0.30	1	09/07/16 08:00	09/07/16 16:09	EPA 3005A	1,6010C	AB



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG929418-1									
Arsenic, Total	ND	mg/l	0.005	0.002	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Chromium, Total	ND	mg/l	0.01	0.002	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Iron, Total	ND	mg/l	0.05	0.02	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Magnesium, Total	ND	mg/l	0.10	0.01	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Manganese, Total	ND	mg/l	0.010	0.002	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS
Sodium, Total	ND	mg/l	2.0	0.30	1	09/07/16 09:31	09/07/16 13:45	1,6010C	PS

### Prep Information

Digestion Method: EPA 3005A



# Lab Control Sample Analysis

## Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG929418-2								
Arsenic, Total	107	-	-	-	80-120	-	-	-
Chromium, Total	95	-	-	-	80-120	-	-	-
Iron, Total	84	-	-	-	80-120	-	-	-
Magnesium, Total	98	-	-	-	80-120	-	-	-
Manganese, Total	86	-	-	-	80-120	-	-	-
Sodium, Total	98	-	-	-	80-120	-	-	-

**Matrix Spike Analysis**  
**Batch Quality Control**

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG929418-4 QC Sample: L1627869-01 Client ID: MS Sample												
Arsenic, Total	0.003J	0.12	0.140	117	-	-	-	-	75-125	-	-	20
Chromium, Total	0.003J	0.2	0.20	100	-	-	-	-	75-125	-	-	20
Iron, Total	0.29	1	1.2	91	-	-	-	-	75-125	-	-	20
Magnesium, Total	1.3	10	12	107	-	-	-	-	75-125	-	-	20
Manganese, Total	0.070	0.5	0.511	88	-	-	-	-	75-125	-	-	20
Sodium, Total	14.	10	24	100	-	-	-	-	75-125	-	-	20

**Lab Duplicate Analysis**  
Batch Quality Control

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG929418-3 QC Sample: L1627869-01 Client ID: DUP Sample						
Arsenic, Total	0.003J	0.003J	mg/l	NC		20
Chromium, Total	0.003J	0.003J	mg/l	NC		20

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

### Sample Receipt and Container Information

Were project specific reporting limits specified? YES

#### Cooler Information Custody Seal

##### Cooler

A Present/Intact

#### Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627625-01A	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-02A	Plastic 500ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-02D	Amber 500ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8081(7)
L1627625-02E	Amber 500ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8081(7)
L1627625-03A	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-03B	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-03C	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-03D	Amber 500ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8081(7)
L1627625-03E	Amber 500ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8081(7)
L1627625-03F	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-03G	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-03H	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-04A	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-05A	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-06A	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-06B	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-06C	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-06D	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-06E	Amber 500ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8081(7)
L1627625-06F	Amber 500ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8081(7)
L1627625-06G	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-06H	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)

\*Values in parentheses indicate holding time in days

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627625-07A	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-08A	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-08B	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-08C	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-08D	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-08E	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-08F	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-09A	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-09B	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-09C	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-09D	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-09E	Amber 1000ml unpreserved	A	7	2.6	Y	Present/Intact	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1627625-09F	Plastic 250ml HNO3 preserved	A	<2	2.6	Y	Present/Intact	AS-TI(180),CR-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180)
L1627625-10A	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)
L1627625-10B	Vial HCl preserved	A	N/A	2.6	Y	Present/Intact	NYTCL-8260(14)

\*Values in parentheses indicate holding time in days

**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

## GLOSSARY

### Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

### Data Qualifiers

- A - Spectra identified as "Aldol Condensation Product".
- B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

**Report Format:** DU Report with 'J' Qualifiers



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

**Data Qualifiers**

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

*Report Format:* DU Report with 'J' Qualifiers



**Project Name:** INDEPENDENT LEATHER  
**Project Number:** 10.1125

**Lab Number:** L1627625  
**Report Date:** 11/04/16

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at its own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

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**The following analytes are not included in our Primary NELAP Scope of Accreditation:**

**Westborough Facility**

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide

EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

SM5310C: DW: Dissolved Organic Carbon

**Mansfield Facility**

SM 2540D: TSS

EPA 3005A NPW

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix: EPA 3050B**

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**The following analytes are included in our Massachusetts DEP Scope of Accreditation**

**Westborough Facility:**

**Drinking Water**

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C**, **SM4500CN-CE**, **EPA 180.1**,

**SM2130B**, **SM4500CI-D**, **SM2320B**, **SM2540C**, **SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2**: THMs and VOCs; **EPA 504.1**: EDB, DBCP.

Microbiology: **SM9215B**; **SM9223-P/A**, **SM9223B-Colilert-QT**, **SM9222D**.

**Non-Potable Water**

**SM4500H,B**, **EPA 120.1**, **SM2510B**, **SM2540C**, **SM2320B**, **SM4500CL-E**, **SM4500F-BC**, **SM4500NH3-BH**, **EPA 350.1**: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, **SM4500NO3-F**, **EPA 353.2**: Nitrate-N, **EPA 351.1**, **SM4500P-E**, **SM4500P-B, E**, **SM4500SO4-E**, **SM5220D**, **EPA 410.4**, **SM5210B**, **SM5310C**, **SM4500CL-D**, **EPA 1664**, **EPA 420.1**, **SM4500-CN-CE**, **SM2540D**.

**EPA 624**: Volatile Halocarbons & Aromatics,

**EPA 608**: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625**: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.

Microbiology: **SM9223B-Colilert-QT**; **Enterolert-QT**, **SM9222D-MF**.

**Mansfield Facility:**

**Drinking Water**

**EPA 200.7**: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8**: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg**.

**Non-Potable Water**

**EPA 200.7**: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8**: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

**EPA 245.1 Hg**.

**SM2340B**

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For a complete listing of analytes and methods, please contact your Alpha Project Manager.



 <b>NEW YORK CHAIN OF CUSTODY</b>  Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <i>x2</i> of <i>2</i>	<b>Date Rec'd in Lab</b> <i>9/7/16</i>	<b>ALPHA Job #</b> <i>L1627625</i>					
		<b>Project Information</b> Project Name: Independent Leather Project Location: Gloversville, NY Project #: 10.1125		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQuIS (1 File) <input type="checkbox"/> EQuIS (4 File) <input type="checkbox"/> Other		<b>Billing Information</b> <input checked="" type="checkbox"/> Same as Client Info PO #			
		<b>Client Information</b> Client: CT Male Address: 50 Century Hill Drive Latham, NY 12110 Phone: 518-786-7400 Fax: 518-786-7299 Email: j.marx@ctmale.com		(Use Project name as Project #) <input type="checkbox"/>		<b>Regulatory Requirement</b> <input checked="" type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		<b>Disposal Site Information</b> Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: NA	
These samples have been previously analyzed by Alpha <input checked="" type="checkbox"/> <i>BACK IN 2014</i>				<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <i>Preservation</i> <input type="checkbox"/> Lab to do <i>(Please Specify below)</i>			
Other project specific requirements/comments: <i>*Select Metals (As,Cr,Fe,Mg,Mn,Na)</i>				<b>Select Metals</b> Total Pests 8081      NYTCL VOCs 8260      NYTCL SVOCs 8270			<b>Sample Specific Comments</b>		
Please specify Metals or TAL.									
<b>ALPHA Lab ID (Lab Use Only)</b>  <i>27625 -08</i> <i>-09</i> <i>TRIP BLANK</i>	<b>Sample ID</b>  <i>MW# 9m 9/1/16</i> <i>OFF 33</i> <i>OFF 35</i> <i>—</i>	<b>Collection</b> Date      Time		<b>Sample Matrix</b> Water Water Water <i>WATER LAB</i>	<b>Sampler's Initials</b> <i>JC</i> <i>JC</i> <i>—</i>	<input checked="" type="checkbox"/> X <input type="checkbox"/> X <input type="checkbox"/> X <input checked="" type="checkbox"/> X <input type="checkbox"/> X	<input checked="" type="checkbox"/> ✓ <input checked="" type="checkbox"/> ✓ <input checked="" type="checkbox"/> ✓	<b>ot al Bo tt le</b>	
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		<b>Container Type</b> P      A      V      A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.	
						<b>Preservative</b> C      A      B      A			
<b>Relinquished By:</b> <i>Karen Marx</i> <i>Jeff Marx</i> <i>Robert Hahn</i>		<b>Date/Time</b> <i>8/30/16, 19:30</i> <i>9-1-16 15:30</i> <i>9-1-16 22:10</i>		<b>Received By:</b> <i>Jeff Marx</i> <i>Robert Hahn AAC</i> <i>Jeff Marx</i>		<b>Date/Time</b> <i>8/30/16 19:30</i> <i>9-1-16 15:30</i> <i>9/2/16 01:10</i>			
Form No: 01-25 (rev. 30-Sept-2013)									