September 2001
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Site Investigation Report
Reference Tables

Environmental Restoration Project
Clean Water / Clean Air Bond Act of 1996
Risedorph Tannery
130-146 West Eighth Avenue
City of Gloversville
Fulton County, New York

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ENVIRONMENTAL RESTORATION PROJECT
SITE INVESTIGATION REPORT REFERENCE TABLES
RISEDORPH TANNERY
130-146 WEST EIGHTH AVENUE
GLOVERSVILLE, NEW YORK

DOCUMENT OVERVIEW

Due to the volume of the Site Investigation Report and numerous analytical summary tables prepared by C.T. Male Associates, P.C. this document was prepared to present the analytical summary tables. This document is set up in sections with each section referring to a different media and/or work task investigated as part of the site investigation. The number of each individual table can be used to find the appropriate section that discusses the analytical results (i.e., Table 4.4.1a refers to Section 4.4.1 of the Site Investigation Report). The reference tables presented herein form an integral part of the Site Investigation Report dated September 2001, Revised September 2004. All of the analytical data presented has been validated according to NYSDEC Data Usability Summary Report Guidelines.

For additional reference two figures showing approximate sampling locations are also provided herein. The figures are reduced and/or partial versions of the boundary survey with the sampling locations enlarged for ease of depiction. Figure 1 shows the locations of the monitoring wells, catch basins, test pits, and creek and pond sampling points. Figure 2 depicts the grid numbers for each surface sampling location. Please note that Figure 2 is not to scale.

ENVIRONMENTAL RESTORATION PROJECT
SITE INVESTIGATION REPORT REFERENCE TABLES
RISEDORPH TANNERY
130-146 WEST EIGHTH AVENUE
GLOVERSVILLE, NEW YORK

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Figure 1 Approximate Sampling Locations

Figure 2 Approximate Surface Sample Locations

SECTION 1
ANALYTICAL TABLES FOR SOIL
UNDERGROUND STORAGE TANK #1
ALONG WILSON STREET

SECTION 1 – ANALYTICAL TABLES FOR SOIL, UNDERGROUND STORAGE TANK #1 ALONG WILSON STREET

Table 4.3.2a	Volatile Organic Compounds For Soil, Underground Storage Tank
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Table 4.3.2a -Volatile Organic Compounds for Soil
Underground Storage Tank
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	UST Floor Grab	UST Floor Grab DL	UST Floor Composite
	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.2	0.038	0.062 D	<0.0058
Benzene	0.06	<0.0059	<0.029	<0.0058
Bromodichloromethane	NA	<0.0059	<0.029	<0.0058
Bromoform	NA	<0.0059	<0.029	<0.0058
Bromomethane	NA	<0.0059	<0.029	<0.0058
2-Butanone	0.3	<0.0059	<0.029	<0.0058
Carbon Disulfide	2.7	<0.0059	<0.029	<0.0058
Carbon Tetrachloride	0.6	<0.0059	<0.029	<0.0058
Chlorobenzene	1.7	<0.0059	<0.029	<0.0058
Chloroethane	NA	<0.0059	<0.029	<0.0058
Chloroform	0.3	<0.0059	<0.029	<0.0058
Chloromethane	NA	<0.0059	<0.029	<0.0058
Dibromochloromethane	NA	<0.0059	<0.029	<0.0058
1,1-Dichloroethane	0.2	<0.0059	<0.029	<0.0058
1,2-Dichloroethane	0.1	<0.0059	<0.029	<0.0058
1,2-Dichloroethene (cis)	0.25	<0.0059	<0.029	<0.0058
1,2-Dichloroethene (trans)	0.3	<0.0059	<0.029	0.0019 J
1,1-Dichloroethene	0.4	<0.0059	<0.029	<0.0058
1,2-Dichloropropane	NA	<0.0059	<0.029	<0.0058
1,3-Dichloropropene (cis)	NA	<0.0059	<0.029	<0.0058
1,3-Dichloropropene (trans)	NA	<0.0059	<0.029	<0.0058
4-Methyl-2-Pentanone	1.0	<0.0059	<0.029	<0.0058
Styrene	NA	<0.0059	<0.029	<0.0058
Tetrachloroethene	1.4	<0.0059	0.0082 JD	0.0017 J
1,1,1-Trichloroethane	0.8	<0.0059	<0.029	<0.0058
1,1,2-Trichloroethane	NA	<0.0059	<0.029	<0.0058
1,1,2,2-Tetrachloroethane	0.6	<0.0059	<0.029	<0.0058
Toluene	1.5	<0.0059	<0.029	0.0018 J
Trichloroethene	0.7	<0.0059	<0.029	<0.0058
Vinyl Chloride	0.2	<0.0059	<0.029	<0.0058
m / p-Xylenes	1.2	0.0067	0.12 D	0.026
o-Xylene	1.2	<0.0059	0.0074 JD	0.0052 J
Total VOCs	**10**	**0.0447**	**0.1976 D**	**0.0366**
Total TICs	***NA***	***0.322 J***	***1.157 JD***	***0.4518 J***

VOCs analyzed using EPA Method 8260
TIC is Tentatively Identified Compounds
J indicates an estimated value
D indicates secondary dilution was performed on analyte
NA is Not Applicable

Table 4.3.2b - Semi-Volatile Organic Compounds for Soil
Underground Storage Tank
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	UST Floor Grab	UST Floor Composite
	mg/kg	mg/kg	mg/kg
Acenaphthene	50.0	<0.39	<0.39
Acenaphthylene	41	<0.39	<0.39
Anthracene	50.0	<0.39	<0.39
Benzo(a)anthracene [1]	0.224 or MDL	<0.39	<0.39
Benzo(a)pyrene [1]	0.061 or MDL	<0.39	<0.39
Benzo(b)fluoranthene [1]	0.224 or MDL	<0.39	<0.39
Benzo(g,h,i)perylene	50.0	<0.39	<0.39
Benzo(k)fluoranthene [1]	0.224 or MDL	<0.39	<0.39
bis(2-Chloroethoxy)methane	NA	<0.39	<0.39
bis(2-Chloroethyl)ether	NA	<0.39	<0.39
bis(2-ethylhexyl)phthalate [1]	50.0	<0.39	<0.39
4-Bromophenyl-phenylether	NA	<0.39	<0.39
Butylbenzylphthalate	50.0	<0.39	<0.39
Carbazole	NA	<0.39	<0.39
4-Chlorophenyl-phenylether	NA	<0.39	<0.39
4-Chloroaniline [1]	0.220 or MDL	<0.39	<0.39
4-Chloro-3-methylphenol	0.240 or MDL	<0.39	<0.39
2-Chloronaphthalene	NA	<0.39	<0.39
2-Chlorophenol	0.8	<0.39	<0.39
Chrysene	0.4	<0.39	<0.39
Dibenzo(a,h)anthracene [1]	0.014 or MDL	<0.39	<0.39
Dibenzofuran	6.2	<0.39	<0.39
1,2-Dichlorobenzene	NA	<0.39	<0.39
1,3-Dichlorobenzene	NA	<0.39	<0.39
1,4-Dichlorobenzene	NA	<0.39	<0.39
3,3'-Dichlorobenzidine [1]	NA	<0.39	<0.39
2,4-Dichlorophenol	0.4	<0.39	<0.39
2,4-Dimethylphenol	NA	<0.39	<0.39
4,6-Dinitro-2-methylphenol	NA	<0.39	<0.39
2,4-Dinitrophenol	0.200 or MDL	<0.39	<0.39
2,4-Dinitrotoluene	NA	<0.39	<0.39
2,6-Dinitrotoluene [1]	1.0	<0.39	<0.39
Diethylphthlate	7.1	<0.39	<0.39
Dimethylphthlate	2.0	<0.39	<0.39
Di-n-buyl phthalate	8.1	<0.39	<0.39
Di-n-octyl phthalate	50.0	<0.39	<0.39
Fluoranthene	50.0	<0.39	<0.39
Fluorene	50.0	<0.39	<0.39
Hexachlorobenzene [1]	0.41	<0.39	<0.39
Hexachlorobutadiene	NA	<0.39	<0.39
Hexachlorocyclopentadiene	NA	<0.39	<0.39
Hexachloroethane	NA	<0.39	<0.39

Table 4.3.2b - Semi-Volatile Organic Compounds for Soil
Underground Storage Tank
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	UST Floor Grab	UST Floor Composite
	mg/kg	mg/kg	mg/kg
Indeno(1,2,3-cd)pyrene	3.2	<0.39	<0.39
Isophorone [1]	4.4	<0.39	<0.39
2-Methylnaphthalene	36.4	0.071 J	<0.39
2-Methylphenol	0.100 or MDL	<0.39	<0.39
3+4-Methylphenols	NA	<0.78	<0.78
Naphthalene	13	0.12 J	<0.39
Nitrobenzene	0.200 or MDL	<0.39	<0.39
2-Nitroaniline	0.430 or MDL	<0.39	<0.39
3-Nitroaniline	0.500 or MDL	<0.39	<0.39
4-Nitroaniline	NA	<0.39	<0.39
2-Nitrophenol	0.330 or MDL	<0.39	<0.39
4-Nitrophenol	0.100 or MDL	<0.39	<0.39
n-Nitroso-di-n-propylamine	NA	<0.39	<0.39
n-Nitrosodiphenylamine	NA	<0.39	<0.39
2,2'-oxybis(1-Chloropropane)	NA	<0.39	<0.39
Pentachlorophenol [1]	1.0 or MDL	<0.39	<0.39
Phenanthrene	50.0	<0.39	<0.39
Phenol	0.03 or MDL	<0.39	<0.39
Pyrene	50.0	<0.39	<0.39
2,4,5-Trichlorophenol	0.1	<0.39	<0.39
1,2,4-Trichlorobenzene	NA	<0.39	<0.39
2,4,6-Trichlorophenol	NA	<0.39	<0.39
Total Non-Carcinogenic SVOCs	**500**	**0.191**	**ND**
Total Carcinogenic SVOCs	**50**	**ND**	**ND**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270

MDL is Method Detection Limit

J indicates an estimated value

NA is Not Applicable

ND is Not Detected

Table 4.3.2c - Pesticides and Polychlorinated Biphenyl Compounds for Soil
Underground Storage Tank
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	UST Floor Grab	UST Floor Composite
	mg/kg	mg/kg	mg/kg
Aldrin	0.041	<0.002	<0.0019
alpha-BHC	0.11	<0.002	<0.0019
beta-BHC	0.2	<0.002	<0.0019
delta-BHC	0.3	<0.002	<0.0019
gamma-BHC (Lindane)	0.06	<0.002	<0.0019
Chlordane	0.54	<0.002	<0.0019
alpha-Chlordane	NA	<0.002	<0.0019
gamma-chlordane	0.54	<0.002	<0.0019
4,4'-DDD	2.9	<0.002	<0.0019
4,4'-DDE	2.1	<0.002	<0.0019
4,4'-DDT	2.1	<0.002	<0.0019
Dieldrin	0.044	<0.002	<0.0019
Endosulfan I	0.9	<0.002	<0.0019
Endosulfan II	0.9	<0.002	<0.0019
Endosulfan Sulfate	1.0	<0.002	<0.0019
Endrin	0.1	<0.002	<0.0019
Endrin aldehyde	NA	<0.02	<0.019
Endrin keytone	NA	<0.002	<0.0019
Heptachlor	0.1	<0.002	<0.0019
Heptachlor epoxide	0.02	<0.002	<0.0019
Methoxychlor	NA	<0.002	<0.0019
Toxaphene	NA	<0.02	<0.019
Total Pesticides	**10**	**ND**	**ND**
Polychlorinated Biphenyls			
Aroclor 1016	1.0 (1) / 10 (2)	<0.02	<0.019
Aroclor 1221	1.0 (1) / 10 (2)	<0.02	<0.019
Aroclor 1232	1.0 (1) / 10 (2)	<0.02	<0.019
Aroclor 1242	1.0 (1) / 10 (2)	<0.02	<0.019
Aroclor 1248	1.0 (1) / 10 (2)	<0.02	<0.019
Aroclor 1254	1.0 (1) / 10 (2)	<0.02	<0.019
Aroclor 1260	1.0 (1) / 10 (2)	<0.02	<0.019
Total PCBs	**1.0 (1)/10 (2)**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082

NA is Not Applicable

ND is Not Detected

(1) Surface Standard

(2) Subsurface Standard

Table 4.3.2d - Metal Analytes for Soil
Underground Storage Tank
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values mg/kg	USEPA Eastern USA Background mg/kg	UST Floor Grab mg/kg	UST Floor Composite mg/kg
Aluminum	SB	33,000	1,490	1,220
Antimony	SB	NA	<0.6	<0.62
Arsenic	7.5 or SB	3-12	10	7.4
Barium	300 or SB	15-600	6.0 B	4.8 B
Beryllium	0.16 or SB	0-1.75	0.1 B	0.1 B
Cadmium	10	0.1-1	<0.05	<0.05
Calcium	SB	130-35,000	9,120	13,300
Chromium	50	1.5-40	57.8	21.2
Cobalt	30 or SB	2.5-60	2.0 B	1.8 B
Copper	25 or SB	1-50	3.3	4.0
Cyanide	NA	NA	<0.59	<0.58
Iron	2,000 or SB	2,000-550,000	5,210	4,150
Lead	**	**	4.0	2.3
Magnesium	SB	100-5,000	2,750	3,400
Manganese	SB	50-5,000	50.8	53.6
Mercury	0.1	0.001-0.2	0.05	<0.04
Nickel	13 or SB	0.5-25	2.6 B	2.4 B
Potassium	SB	8,500-43,000	228 BE	200 BE
Selenium	2 or SB	0.1-3.9	0.65	<0.44
Silver	SB	NA	<0.07	<0.07
Sodium	SB	6,000-8,000	96.4 B	66.4 B
Thallium	SB	NA	<0.54	<0.56
Vanadium	150 or SB	1-300	7.6	4.6 B
Zinc	20 or SB	9-50	15	22.8
% Solids	NA	NA	85.7	86.3

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

SB is Site Background

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 value is estimated

NA is Not Applicable

SECTION 2
ANALYTICAL TABLES FOR SEDIMENT CATCH BASINS

SECTION 2 – ANALYTICAL TABLES FOR SEDIMENT, CATCH BASINS

Table 4.4.1a	Volatile Organic Compounds For Sediment, Catch Basins
Table 4.4.1b	Semi-volatile Organic Compounds For Sediment, Catch Basins
Table 4.4.1c	Pesticides and Polychlorinated Biphenyl Compounds For Sediment, Catch Basins
Table 4.4.1d	Metal Analytes For Sediment, Catch Basins

Table 4.4.1a - Volatile Organic Compounds for Sediment
Catch Basins
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2801 & L4353

Parameter	NYSDEC TAGM 4046 Values	Catchbasin #1	Catchbasin #2	Catchbasin #3	Main Building Floor Drain
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.2	<0.0055	0.011	<0.0066	<0.049
Benzene	0.06	<0.0055	<0.006	<0.0066	<0.049
Bromodichloromethane	NA	<0.0055	<0.006	<0.0066	<0.049
Bromoform	NA	<0.0055	<0.006	<0.0066	<0.049
Bromomethane	NA	<0.0055	<0.006	<0.0066	<0.049
2-Butanone	0.3	<0.0055	<0.006	<0.0066	<0.049
Carbon Disulfide	2.7	<0.0055	<0.006	<0.0066	<0.049
Carbon Tetrachloride	0.6	<0.0055	<0.006	<0.0066	<0.049
Chlorobenzene	1.7	<0.0055	<0.006	<0.0066	<0.049
Chloroethane	NA	<0.0055	<0.006	<0.0066	<0.049
Chloroform	0.3	<0.0055	<0.006	<0.0066	<0.049
Chloromethane	NA	<0.0055	<0.006	<0.0066	<0.049
Dibromochloromethane	NA	<0.0055	<0.006	<0.0066	<0.049
1,1-Dichloroethane	0.2	<0.0055	<0.006	<0.0066	<0.049
1,2-Dichloroethane	0.1	<0.0055	<0.006	<0.0066	<0.049
1,2-Dichloroethene (cis)	0.25	<0.0055	<0.006	<0.0066	<0.049
1,2-Dichloroethene (trans)	0.3	<0.0055	<0.006	<0.0066	<0.049
1,1-Dichloroethene	0.4	<0.0055	<0.006	<0.0066	<0.049
1,2-Dichloropropane	NA	<0.0055	<0.006	<0.0066	<0.049
1,3-Dichloropropene (cis)	NA	<0.0055	<0.006	<0.0066	<0.049
1,3-Dichloropropene (trans)	NA	<0.0055	<0.006	<0.0066	<0.049
Ethylbenzene	5.5	<0.0055	<0.006	<0.0066	<0.049
2-Hexanone	NA	<0.0055	<0.006	<0.0066	<0.049
Methylene Chloride	0.1	0.0071	0.0086	0.012	0.023 J
4-Methyl-2-Pentanone	1.0	<0.0055	<0.006	<0.0066	<0.049
Styrene	NA	<0.0055	<0.006	<0.0066	<0.049
Tetrachloroethene	1.4	<0.0055	<0.006	<0.0066	1.5
1,1,1-Trichloroethane	0.8	<0.0055	<0.006	<0.0066	<0.049
1,1,2-Trichloroethane	NA	<0.0055	<0.006	<0.0066	<0.049
1,1,2,2-Tetrachloroethane	0.6	<0.0055	<0.006	<0.0066	<0.049
Toluene	1.5	<0.0055	<0.006	<0.0066	<0.049
Trichloroethene	0.7	<0.0055	<0.006	<0.0066	<0.049
Vinyl Chloride	0.2	<0.0055	<0.006	<0.0066	<0.049
m / p-Xylenes	1.2	<0.0055	<0.006	<0.0066	<0.049
o-Xylene	1.2	<0.0055	<0.006	<0.0066	<0.049
Total VOCs	**10**	**0.0071**	**0.0196**	**0.012**	**1.523**
Total TICs	***ND***	***ND***	***ND***	***0.0505 J***	***ND***

VOCs analyzed using EPA Method 8260

TIC is Tentatively Identified Compounds

J indicates an estimated value

ND is Not Detected

NA is Not Applicable

Table 4.4.1b - Semi-Volatile Organic Compounds for Sediment
Catch Basins
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2801 & L4353

Parameter	NYSDEC TAGM 4046 Values mg/kg	Catchbasin #1 mg/kg	Catchbasin #1 RE mg/kg	Catchbasin #2 mg/kg	Catchbasin #2 RE mg/kg	Catchbasin #3 mg/kg	Main Bldg. Floor Drain mg/kg
Acenaphthene	50.0	0.041 J	<0.37	<0.40	<0.40	<0.44	1.5 D
Acenaphthylene	41	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Anthracene	50.0	0.063 J	0.065 J	<0.40	<0.40	<0.44	1.7 D
Benzo(a)anthracene [1]	0.224 or MDL	0.11 J	0.12 J	0.054 J	0.065 J	<0.44	1.9 J
Benzo(a)pyrene [1]	0.061 or MDL	0.063 J	0.064 J	0.045 J	0.044 J	<0.44	1.8 D
Benzo(b)fluoranthene [1]	0.224 or MDL	0.12 J	0.14 J	0.097 J	0.11 J	<0.44	1.4 D
Benzo(g,h,i)perylene	50.0	<0.37 J	<0.37	<0.40 J	<0.40	<0.44	0.69
Benzo(k)fluoranthene [1]	0.224 or MDL	0.08 J	0.076 J	0.071 J	0.056 J	<0.44	2.7 D
bis(2-Chloroethoxy)methane	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
bis(2-Chloroethyl)ether	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
bis(2-ethylhexyl)phthalate [1]	50.0	0.054 J	0.064 J	0.37 J	0.44	0.17 J	3.0 J
4-Bromophenyl-phenylether	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Butylbenzylphthalate	50.0	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65 J
Carbazole	NA	<0.37	<0.37	<0.40	<0.40	<0.44	1.0 JD
4-Chlorophenyl-phenylether	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
4-Chloroaniline [1]	0.220 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
4-Chloro-3-methylphenol	0.240 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2-Chloronaphthalene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2-Chlorophenol	0.8	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Chrysene	0.4	0.12 J	0.12 J	0.082 J	0.085 J	<0.44	2.2 D
Dibenzo(a,h)anthracene [1]	0.014 or MDL	<0.37 J	<0.37	<0.40 J	<0.40	<0.44	0.12 J
Dibenzofuran	6.2	<0.37	<0.37	<0.40	<0.40	<0.44	0.95 JD
1,2-Dichlorobenzene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
1,3-Dichlorobenzene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
1,4-Dichlorobenzene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
3,3'-Dichlorobenzidine [1]	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65 J
2,4-Dichlorophenol	0.4	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2,4-Dimethylphenol	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
4,6-Dinitro-2-methylphenol	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2,4-Dinitrophenol	0.200 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2,4-Dinitrotoluene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2,6-Dinitrotoluene [1]	1.0	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Diethylphthlate	7.1	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Dimethylphthlate	2.0	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Di-n-butyl phthalate	8.1	0.07 J	0.079 J	0.18 J	0.20 J	0.14 J	0.16 JD
Di-n-octyl phthalate	50.0	<0.37 J	<0.37	<0.40 J	<0.40	<0.44	<0.65
Fluoranthene	50.0	0.32 J	0.31 J	0.14 J	0.14 J	<0.44	4.1 D
Fluorene	50.0	0.043 J	0.043 J	<0.40	<0.40	<0.44	1.7 D
Hexachlorobenzene [1]	0.41	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Hexachlorobutadiene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65

Table 4.4.1b - Semi-Volatile Organic Compounds for Sediment
Catch Basins
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2801 & L4353

Parameter	NYSDEC TAGM 4046 Values mg/kg	Catchbasin #1 mg/kg	Catchbasin #1 RE mg/kg	Catchbasin #2 mg/kg	Catchbasin #2 RE mg/kg	Catchbasin #3 mg/kg	Main Bldg. Floor Drain mg/kg
Hexachlorocyclopentadiene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Hexachloroethane	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Indeno(1,2,3-cd)pyrene	3.2	<0.37	<0.37	<0.40	<0.40	<0.44	0.37 JD
Isophorone [1]	4.4	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2-Methylnaphthalene	36.4	<0.37	<0.37	<0.40	<0.40	<0.44	0.61 JD
2-Methylphenol	0.100 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
3+4-Methylphenols	NA	<0.73	<0.73	<0.79	<0.79	<0.88	<1.3
Naphthalene	13	<0.37	<0.37	<0.40	<0.40	<0.44	0.54 JD
Nitrobenzene	0.200 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2-Nitroaniline	0.430 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
3-Nitroaniline	0.500 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
4-Nitroaniline	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2-Nitrophenol	0.330 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
4-Nitrophenol	0.100 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65 J
n-Nitroso-di-n-propylamine	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
n-Nitrosodiphenylamine	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2,2'-oxybis(1-Chloropropane)	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Pentachlorophenol [1]	1.0 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Phenanthrene	50.0	0.33 J	0.33 J	0.12 J	0.12 J	<0.44	5.5 D
Phenol	0.03 or MDL	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Pyrene	50.0	0.18 J	0.20 J	0.12 J	0.12 J	<0.44	4.2 D
2,4,5-Trichlorophenol	0.1	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
1,2,4-Trichlorobenzene	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
2,4,6-Trichlorophenol	NA	<0.37	<0.37	<0.40	<0.40	<0.44	<0.65
Total Non-Carcinogenic SVOCs	**500**	**1.167**	**1.147**	**0.642**	**0.665**	**0.14**	**25.22**
Total Carcinogenic SVOCs	**50**	**0.427**	**0.464**	**0.637**	**0.715**	**0.17**	**10.92**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270.

MDL is Method Detection Limit

J indicates an estimated value

NA is Not Applicable

D indicates result from dilution analysis

Table 4.4.1c - Pesticides and Polychlorinated Biphenyl Compounds for Sediment
Catch Basins
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2801 & L4353

Parameter	NYSDEC TAGM 4046 Values	Catchbasin #1	Catchbasin #2	Catchbasin #3	Main Building Floor Drain
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aldrin	0.041	<0.0018	<0.002	<0.0022	<0.0033
alpha-BHC	0.11	<0.0018	<0.002	<0.0022	<0.0033
beta-BHC	0.2	<0.0018	<0.002	<0.0022	<0.0033
delta-BHC	0.3	<0.0018	<0.002	<0.0022	<0.0033
gamma-BHC (Lindane)	0.06	<0.0018	<0.002	<0.0022	<0.0033
Chlordane	0.54	<0.0018	<0.002	<0.0022	<0.0033
alpha-Chlordane	NA	<0.0018	<0.002	<0.0022	0.0046
gamma-chlordane	0.54	<0.0018	<0.002	<0.0022	<0.0033
4,4'-DDD	2.9	<0.0018	<0.002	<0.0022	<0.0033
4,4'-DDE	2.1	<0.0018	<0.002	<0.0022	<0.0033
4,4'-DDT	2.1	<0.0018	<0.002	<0.0022	<0.0033
Dieldrin	0.044	<0.0018	<0.002	<0.0022	<0.0033
Endosulfan I	0.9	<0.0018	<0.002	<0.0022	<0.0033
Endosulfan II	0.9	<0.0018	<0.002	<0.0022	<0.0033
Endosulfan Sulfate	1.0	<0.0018	<0.002	<0.0022	<0.0033
Endrin	0.1	<0.0018	<0.002	<0.0022	<0.0033
Endrin aldehyde	NA	<0.0018	<0.002	<0.0022	<0.0033
Endrin keytone	NA	<0.0018	<0.002	<0.0022	<0.0033
Heptachlor	0.1	<0.0018	<0.002	<0.0022	<0.0033
Heptachlor epoxide	0.02	<0.0018	<0.002	<0.0022	<0.0033
Methoxychlor	NA	<0.0018	<0.002	<0.0022	<0.0033
Toxaphene	NA	<0.018	<0.020	<0.022	<0.0033
Total Pesticides	**10**	**ND**	**ND**	**ND**	**0.0046**
Polychlorinated Biphenyls					
Aroclor 1016	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	<0.033
Aroclor 1221	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	<0.033
Aroclor 1232	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	<0.033
Aroclor 1242	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	<0.033
Aroclor 1248	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	<0.033
Aroclor 1254	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	<0.033
Aroclor 1260	1.0 (1) / 10 (2)	<0.018	<0.020	<0.022	0.066 J
Total PCBs	**1.0 (1)/10 (2)**	**ND**	**ND**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082.
ND is Not Detected
NA is Not Applicable
(1) Surface Standard
(2) Subsurface Standard

Table 4.4.1d - Metal Analytes for Sediment
Catch Basins
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2801 & L4353

Parameter	NYSDEC TAGM 4046 Values mg/kg	USEPA Eastern USA Background mg/kg	Catchbasin #1 mg/kg	Catchbasin #2 mg/kg	Catchbasin #3 mg/kg	Main Building Floor Drain mg/kg
Aluminum	SB	33,000	1,980	2,360	3,360	5,220
Antimony	SB	NA	<0.81	<0.86	<0.98	24.2 N
Arsenic	7.5 or SB	3-12	7.7	9.8	15.9	457
Barium	300 or SB	15-600	12.4 B	13.6 B	46.6	279
Beryllium	0.16 or SB	0-1.75	0.12 B	0.16 B	0.24 B	0.36 B
Cadmium	10	0.1-1	<0.05	<0.06	<0.07	19.8
Calcium	SB	130-35,000	20,500	34,400	29,700	18,500
Chromium	50	1.5-40	35.2	44.7	374	4,780
Cobalt	30 or SB	2.5-60	2.3 B	3.0 B	7.8	10.2
Copper	25 or SB	1-50	8.7	8.6	97.3	148
Cyanide	NA	NA	<0.55	<0.59	<0.66	0.97
Iron	2,000 or SB	2,000-550,000	11,800	12,200	99,200	58,100
Lead	**	**	8.2	6.9	34.4	463
Magnesium	SB	100-5,000	8,310	17,100	13,600	7,050
Manganese	SB	50-5,000	167	139	966	313
Mercury	0.1	0.001-0.2	<0.04	<0.04	0.07	0.41
Nickel	13 or SB	0.5-25	5.3	5.3	46.5 J	41.2
Potassium	SB	8,500-43,000	300 B	444 B	555 B	460 BE
Selenium	2 or SB	0.1-3.9	<0.52	<0.55	0.88	<0.62
Silver	SB	NA	<0.17	<0.18	0.94 B	<0.25
Sodium	SB	6,000-8,000	140 B	1,980	360 B	421 B
Thallium	SB	NA	1.3	0.78 B	4.3	<0.76
Vanadium	150 or SB	1-300	10	17.2	21.8	32.3
Zinc	20 or SB	9-50	106	120	258	1,200 N
% Solids			91	84.4	75.7	51.3

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury.

SB is Site Background

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)

N indicates spiked sample recovery not within control limits

E indicates reported value is estimated because of the presence of interference

NA is Not Applicable

SECTION 3
ANALYTICAL TABLES FOR WATER AND SLUDGE WASTEWATER TREATMENT PLANT

SECTION 3 – ANALYTICAL TABLES FOR WATER AND SLUDGE, WASTEWATER TREATMENT PLANT

Table 4.5.1a	Volatile Organic Compounds For Water and Sludge, Wastewater Treatment Plant
Table 4.5.1b	Semi-volatile Organic Compounds For Water and Sludge, Wastewater Treatment Plant
Table 4.5.1c	Pesticides and Polychlorinated Biphenyl Compounds For Water and Sludge, Wastewater Treatment Plant
Table 4.5.1d	Metal Analytes For Water and Sludge, Wastewater Treatment Plant

Table 4.5.1a - Volatile Organic Compounds for Water and Sludge
Waste Water Treatment Plant
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2504

Parameter	Pretreatment Water	Pretreatment Sediment
	ug/L	mg/Kg
Acetone	<5	<0.06
Benzene	<5	<0.06
Bromodichloromethane	<5	<0.06
Bromoform	<5	<0.06
Bromomethane	<5	<0.06
2-Butanone	<5	<0.06
Carbon Disulfide	<5	<0.06
Carbon Tetrachloride	<5	<0.06
Chlorobenzene	<5	<0.06
Chloroethane	<5	<0.06
Chloroform	<5	<0.06
Chloromethane	<5	<0.06
Dibromochloromethane	<5	<0.06
1,1-Dichloroethane	<5	<0.06
1,2-Dichloroethane	<5	<0.06
1,1-Dichloroethene	<5	<0.06
1,2-Dichloroethene (cis)	<5	<0.06
1,2-Dichloroethene (trans)	<5	<0.06
1,2-Dichloropropane	<5	<0.06
1,3-Dichloropropene (cis)	<5	<0.06
1,3-Dichloropropene (trans)	<5	<0.06
Ethylbenzene	<5	<0.06
2-Hexanone	<5	<0.06
Methylene Chloride	<5	<0.06
4-Methyl-2-Pentanone	<5	<0.06
Styrene	<5	<0.06
Tetrachloroethene	<5	<0.06
1,1,1-Trichloroethane	<5	<0.06
1,1,2-Trichloroethane	<5	<0.06
1,1,2,2-Tetrachloroethane	<5	<0.06
Toluene	<5	<0.06
Trichloroethene	<5	<0.06
Vinyl Chloride	<5	<0.06
m / p-Xylenes	<5	<0.06
o-Xylene	<5	<0.06
Total VOCs	**ND**	**ND**
Total TICs	**0.0264 J**	**6.46 J**

VOCs analyzed using EPA Method 8260
TIC is Tentatively Identified Compounds
J indicates an estimated value
ND is Not Detected

Table 4.5.1b - Semi-Volatile Organic Compounds for Water and Sludge
Waste Water Treatment Plant
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2504

Parameter	Pretreatment Water	Pretreatment Sediment	Pretreatment Sediment RE
	ug/L	mg/Kg	mg/Kg
Acenaphthene	<0.010	<0.790	<0.790
Acenaphthylene	<0.010	<0.790	<0.790
Anthracene	<0.010	<0.790	<0.790
Benzo(a)anthracene [1]	<0.010	<0.790	<0.790
Benzo(a)pyrene [1]	<0.010	<0.790	<0.790
Benzo(b)fluoranthene [1]	<0.010	<0.790	<0.790
Benzo(g,h,i)perylene	<0.010	<0.790	<0.790
Benzo(k)fluoranthene [1]	<0.010	<0.790	<0.790
bis(2-Chloroethoxy)methane	<0.010	<0.790	<0.790
bis(2-Chloroethyl)ether	<0.010	<0.790	<0.790
bis(2-ethylhexyl)phthalate [1]	0.0013 J	1.000	1.000
4-Bromophenyl-phenylether	<0.010	<0.790	<0.790
Butylbenzylphthalate	<0.010	<0.790	<0.790
Carbazole	<0.010	<0.790	<0.790
4-Chlorophenyl-phenylether	<0.010	<0.790	<0.790
4-Chloroaniline [1]	<0.010	<0.790	<0.790
4-Chloro-3-methylphenol	<0.010	<0.790	<0.790
2-Chloronaphthalene	<0.010	<0.790	<0.790
2-Chlorophenol	<0.010	<0.790	<0.790
Chrysene	<0.010	<0.790	<0.790
Dibenzo(a,h)anthracene [1]	<0.010	<0.790	<0.790
Dibenzofuran	<0.010	<0.790	<0.790
1,2-Dichlorobenzene	<0.010	<0.790	<0.790
1,3-Dichlorobenzene	<0.010	<0.790	<0.790
1,4-Dichlorobenzene	<0.010	<0.790	<0.790
3,3'-Dichlorobenzidine [1]	<0.010	<0.790	<0.790
2,4-Dichlorophenol	<0.010	<0.790	<0.790
2,4-Dimethylphenol	<0.010	<0.790	<0.790
4,6-Dinitro-2-methylphenol	<0.010	<0.790	<0.790
2,4-Dinitrophenol	<0.010	<0.790	<0.790
2,4-Dinitrotoluene	<0.010	<0.790	<0.790
2,6-Dinitrotoluene [1]	<0.010	<0.790	<0.790
Diethylphthlate	<0.010	<0.790	<0.790
Dimethylphthlate	<0.010	<0.790	<0.790
Di-n-buyl phthalate	<0.010	<0.790	<0.790
Di-n-octyl phthalate	<0.010	<0.790	<0.790
Fluoranthene	<0.010	0.130 J	0.110 J
Fluorene	<0.010	<0.790	<0.790
Hexachlorobenzene [1]	<0.010	<0.790	<0.790
Hexachlorobutadiene	<0.010	<0.790	<0.790
Hexachlorocyclopentadiene	<0.010	<0.790	<0.790

Table 4.5.1b - Semi-Volatile Organic Compounds for Water and Sludge
Waste Water Treatment Plant
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2504

Parameter	Pretreatment Water	Pretreatment Sediment	Pretreatment Sediment RE
	ug/L	mg/Kg	mg/Kg
Hexachloroethane	<0.010	<0.790	<0.790
Indeno(1,2,3-cd)pyrene	<0.010	<0.790	<0.790
Isophorone [1]	<0.010	<0.790	<0.790
2-Methylnaphthalene	<0.010	<0.790	<0.790
2-Methylphenol	<0.010	<0.790	<0.790
3+4-Methylphenols	<0.020	<1.600	<1.600
Naphthalene	<0.010	<0.790	<0.790
Nitrobenzene	<0.010	<0.790	<0.790
2-Nitroaniline	<0.010	<0.790	<0.790
3-Nitroaniline	<0.010	<0.790	<0.790
4-Nitroaniline	<0.010	<0.790	<0.790
2-Nitrophenol	<0.010	<0.790	<0.790
4-Nitrophenol	<0.010	<0.790	<0.790
n-Nitroso-di-n-propylamine	<0.010	<0.790	<0.790
n-Nitrosodiphenylamine	<0.010	<0.790	<0.790
2,2'-oxybis(1-Chloropropane)	<0.010	<0.790	<0.790
Pentachlorophenol [1]	<0.010	<0.790	<0.790
Phenanthrene	<0.010	0.120 J	0.120 J
Phenol	<0.010	<0.790	<0.790
Pyrene	<0.010	0.110 J	0.120 J
2,4,5-Trichlorophenol	<0.010	<0.790	<0.790
1,2,4-Trichlorobenzene	<0.010	<0.790	<0.790
2,4,6-Trichlorophenol	<0.010	<0.790	<0.790
Total Non-Carcinogenic SVOCs	**ND**	**0.36**	**0.35**
Total Carcinogenic SVOCs	**0.0013**	**1.000**	**1.000**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270

MDL is Method Detection Limit

J indicates an estimated value

ND is Not Detected

Table 4.5.1c - Pesticides and Polychlorinated Biphenyl Compounds for Water and Sludge
Waste Water Treatment Plant
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2405

Parameter	Pretreatment Water ug/L	Pretreatment Sediment mg/Kg
Aldrin	<0.05	<0.004
alpha-BHC	<0.05	<0.004
beta-BHC	<0.05	<0.004
delta-BHC	<0.05	<0.004
gamma-BHC (Lindane)	<0.05	<0.004
Chlordane	<0.05	<0.004
alpha-Chlordane	<0.05	<0.004
gamma-chlordane	<0.05	<0.004
4,4'-DDD	<0.05	<0.004
4,4'-DDE	<0.05	<0.004
4,4'-DDT	<0.05	<0.004
Dieldrin	<0.05	<0.004
Endosulfan I	<0.05	<0.004
Endosulfan II	<0.05	<0.004
Endosulfan Sulfate	<0.05	<0.004
Endrin	<0.05	<0.004
Endrin aldehyde	<0.05	<0.004
Endrin keytone	<0.05	<0.004
Heptachlor	<0.05	<0.004
Heptachlor epoxide	<0.05	<0.004
Methoxychlor	<0.50	<0.04
Toxaphene	<0.50	<0.04
Total Pesticides	**ND**	**ND**
Polychlorinated Biphenyls		
Aroclor 1016	<0.5	<0.017
Aroclor 1221	<0.5	<0.017
Aroclor 1232	<0.5	<0.017
Aroclor 1242	<0.5	<0.017
Aroclor 1248	<0.5	<0.017
Aroclor 1254	<0.5	<0.017
Aroclor 1260	<0.5	<0.017
Total PCBs	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082.
ND is Not Detected

Table 4.5.1d - Metal Analytes for Soil
Waste Water Treatment Plant
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2405

Parameter	Pretreatment Water	Pretreatment Sediment
	ug/L	mg/Kg
Aluminum	6,950	8,510
Antimony	32.2 B	120
Arsenic	32.4	41.6
Barium	223	253
Beryllium	<1.1	<0.02
Cadmium	<2.0	<0.09
Calcium	144,000	27,500
Chromium	12,200	28,200
Cobalt	5.3 B	9.2 B
Copper	47.6	97.4
Cyanide	<10	17
Iron	26,100	57,100
Lead	41.1	57.9
Magnesium	7,870	4,530
Manganese	1,320	599
Mercury	<0.20	0.15
Nickel	13.5 B	27.9
Potassium	43,700	766 B
Selenium	<4.0	2.4
Silver	<1.6	0.84 B
Sodium	136,000	713 B
Thallium	<3.7	5.4
Vanadium	10 B	30.2
Zinc	799	1,210
% Solids	NA	41.8

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

SB is Site Background

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)

NA is Not Applicable

SECTION 4
ANALYTICAL TABLES FOR SEDIMENT & SURFACE WATER, CREEK & PONDS
(JANUARY 2001 SAMPLING EVENT)

SECTION 4 – ANALYTICAL TABLES FOR SEDIMENT & SURFACE WATER, CREEK & PONDS (JANUARY 2001 SAMPLING EVENT)

Table 7.3.2a	Volatile Organic Compounds For Sediment & Surface Water, Creek & Ponds
Table 7.3.2b	Semi-volatile Organic Compounds For Sediment & Surface Water, Creek & Ponds
Table 7.3.2c	Pesticides and Polychlorinated Biphenyl Compounds For Sediment & Surface Water, creek & Ponds
Table 7.3.2d	Metal Analytes For Sediment & Surface Water, creek & Ponds

Table 7.3.2a - Volatile Organic Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

Sediment						
Parameter	**NYSDEC Water Quality Sediment Criteria [(1)]**	**NYSDEC TAGM 4046 Values**	**Creek #1**	**Creek #2**	**Lower Pond Sediment**	**Upper Pond Sediment**
	ug/g	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acetone	NA	0.2	0.017 J	0.02 J	0.13 J	0.099 J
Benzene	0.6	0.06	<0.0061	<0.007	<0.02	<0.017
Bromodichloromethane	NA	NA	<0.0061	<0.007	<0.02	<0.017
Bromoform	NA	NA	<0.0061	<0.007	<0.02	<0.017
Bromomethane	NA	NA	<0.0061	<0.007	<0.02	<0.017
2-Butanone	NA	0.3	<0.0061	<0.007	<0.02	0.044
Carbon Disulfide	NA	2.7	<0.0061	<0.007	<0.02	<0.017
Carbon Tetrachloride	NA	0.6	<0.0061	<0.007	<0.02	<0.017
Chlorobenzene	NA	1.7	<0.0061	<0.007	<0.02	<0.017
Chloroethane	NA	NA	<0.0061	<0.007	<0.02	<0.017
Chloroform	NA	0.3	<0.0061	<0.007	<0.02	<0.017
Chloromethane	NA	NA	<0.0061	<0.007	<0.02	<0.017
Dibromochloromethane	NA	NA	<0.0061	<0.007	<0.02	<0.017
1,1-Dichloroethane	NA	0.2	<0.0061	<0.007	<0.02	<0.017
1,2-Dichloroethane	0.7	0.1	<0.0061	<0.007	<0.02	<0.017
1,2-Dichloroethene (cis)	NA	0.25	<0.0061	<0.007	<0.02	<0.017
1,2-Dichloroethene (trans)	NA	0.3	<0.0061	<0.007	<0.02	<0.017
1,1-Dichloroethene	NA	0.4	<0.0061	<0.007	<0.02	<0.017
1,2-Dichloropropane	NA	NA	<0.0061	<0.007	<0.02	<0.017
1,3-Dichloropropene (cis)	NA	NA	<0.0061	<0.007	<0.02	<0.017
1,3-Dichloropropene (trans)	NA	NA	<0.0061	<0.007	<0.02	<0.017
Ethylbenzene	NA	5.5	<0.0061	<0.007	<0.02	<0.017
2-Hexanone	NA	NA	<0.0061	<0.007	<0.02	<0.017
Methylene Chloride	NA	0.1	0.0063	0.007 J	0.021	0.021
4-Methyl-2-Pentanone	NA	1.0	<0.0061	<0.007	<0.02	<0.017
Styrene	NA	NA	<0.0061	<0.007	<0.02	<0.017
Tetrachloroethene	NA	1.4	<0.0061	<0.007	<0.02	<0.017
1,1,1-Trichloroethane	NA	0.8	<0.0061	<0.007	<0.02	<0.017
1,1,2-Trichloroethane	NA	NA	<0.0061	<0.007	<0.02	<0.017
1,1,2,2-Tetrachloroethane	0.3	0.6	<0.0061	<0.007	<0.02	<0.017
Toluene	NA	1.5	<0.0061	<0.007	<0.02	<0.017
Trichloroethene	NA	0.7	<0.0061	<0.007	<0.02	<0.017
Vinyl Chloride	0.07	0.2	<0.0061	<0.007	<0.02	<0.017
m / p-Xylenes	NA	1.2	<0.0061	<0.007	<0.02	<0.017
o-Xylene	NA	1.2	<0.0061	<0.007	<0.02	<0.017
Total VOCs	**NA**	**10**	**0.0233**	**0.027**	**0.151**	**0.164**
Total TICs	**NA**	**NA**	**0.0071 J**	**ND**	**ND**	**ND**

VOCs analyzed using EPA Method 8260.
TIC is Tentatively Identified Compound
J indicates an estimated value
NA is Not Applicable
* indicates a Guidance Value (GV)
ND is Not Detected
(1) NYSDEC Technical Guidance for Screening Contam
Health Bioaccumulation

Table 7.3.2a - Volatile Organic Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

	Surface Water					
Parameter	**NYSDEC Water Quality Criteria [1]**	**NYSDEC Water Quality Standard**	**Downgradient SW**	**Upgradient SW**	**Lower Pond SW**	**Upper Pond SW**
	ug/L	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Acetone	NA	NA	< 20	< 20	< 20	< 20
Benzene	6	210	<5	<5	<5	<5
Bromodichloromethane	NA	NA	<5	<5	<5	<5
Bromoform	NA	NA	<5	<5	<5	<5
Bromomethane	NA	NA	<5	<5	<5	<5
2-Butanone	NA	NA	<5	<5	<5	<5
Carbon Disulfide	NA	NA	<5	<5	<5	<5
Carbon Tetrachloride	NA	NA	<5	<5	<5	<5
Chlorobenzene	NA	5.0	<5	<5	<5	<5
Chloroethane	NA	NA	<5	<5	<5	<5
Chloroform	NA	NA	<5	<5	<5	<5
Chloromethane	NA	NA	<5	<5	<5	<5
Dibromochloromethane	NA	NA	<5	<5	<5	<5
1,1-Dichloroethane	NA	NA	<5	<5	<5	<5
1,2-Dichloroethane	24	NA	<5	<5	<5	<5
1,2-Dichloroethene (cis)	NA	NA	<5	<5	<5	<5
1,2-Dichloroethene (trans)	NA	NA	<5	<5	<5	<5
1,1-Dichloroethene	NA	NA	<5	<5	<5	<5
1,2-Dichloropropane	NA	NA	<5	<5	<5	<5
1,3-Dichloropropene (cis)	NA	NA	<5	<5	<5	<5
1,3-Dichloropropene (trans)	NA	NA	<5	<5	<5	<5
Ethylbenzene	NA	17 *	<5	<5	<5	<5
2-Hexanone	NA	NA	<5	<5	<5	<5
Methylene Chloride	NA	NA	<20	<20	<20	<20
4-Methyl-2-Pentanone	NA	NA	<5	<5	<5	<5
Styrene	NA	NA	<5	<5	<5	<5
Tetrachloroethene	NA	NA	<5	<5	<5	<5
1,1,1-Trichloroethane	NA	NA	<5	<5	<5	<5
1,1,2-Trichloroethane	NA	NA	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	0.7	NA	<5	<5	<5	<5
Toluene	NA	100 *	<5	<5	<5	<5
Trichloroethene	NA	NA	<5	<5	<5	<5
Vinyl Chloride	18	NA	<5	<5	<5	<5
m / p-Xylenes	NA	65	<5	<5	<5	<5
o-Xylene	NA	65	<5	<5	<5	<5
Total VOCs	**NA**	**NA**	**ND**	**ND**	**ND**	**ND**
Total TICs	**NA**	**NA**	**6.7 J**	**0.0068 J**	**0.0145 J**	**0.0078 J**

VOCs analyzed using EPA Method 8260.
TIC is Tentatively Identified Compound
J indicates an estimated value
NA is Not Applicable
* indicates a Guidance Value (GV)
ND is Not Detected
(1) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.2b - Semi-Volatile Organic Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

Sediment								
Parameter	**NYSDEC Water Quality Sediment Criteria [(1)]**	**NYSDEC TAGM 4046 Values**	**Creek #1**	**Creek #1 RE**	**Creek #2**	**Creek #2 RE**	**Lower Pond Sediment**	**Upper Pond Sediment**
	ug/g	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Acenaphthene	NA	50.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Acenaphthylene	NA	41	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Anthracene	NA	50.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Benzo(a)anthracene [1]	1.3	0.224 or MDL	0.045 J	0.046 J	0.081 J	0.08 J	0.46 J	0.23 J
Benzo(a)pyrene [1]	1.3	0.061 or MDL	<0.41 J	<0.41	0.078 J	0.072 J	0.49 J	0.21 J
Benzo(b)fluoranthene [1]	1.3	0.224 or MDL	0.065 J	0.045 J	0.14 J	0.15 J	0.98 J	0.34 J
Benzo(g,h,i)perylene	NA	50.0	<0.41 J	<0.41	<0.47 J	<0.47	0.32 J	0.18 J
Benzo(k)fluoranthene [1]	1.3	0.224 or MDL	<0.41 J	0.05 J	0.083 J	0.065 J	0.29 J	0.17 J
bis(2-Chloroethoxy)methane	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
bis(2-Chloroethyl)ether	0.03	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
bis(2-ethylhexyl)phthalate [1]	NA	50.0	0.06 J	0.045 J	0.32 J	0.36 J	0.43 J	0.53 J
4-Bromophenyl-phenylether	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Butylbenzylphthalate	NA	50.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Carbazole	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
4-Chlorophenyl-phenylether	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
4-Chloroaniline [1]	NA	0.220 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
4-Chloro-3-methylphenol	NA	0.240 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2-Chloronaphthalene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2-Chlorophenol	NA	0.8	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Chrysene	1.3	0.4	0.048 J	0.05 J	0.11 J	0.11 J	0.73 J	0.29 J
Dibenzo(a,h)anthracene [1]	NA	0.014 or MDL	<0.41 J	<0.41	<0.47 J	<0.47	<1.3	<1.1
Dibenzofuran	NA	6.2	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
1,2-Dichlorobenzene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
1,3-Dichlorobenzene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
1,4-Dichlorobenzene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
3,3'-Dichlorobenzidine [1]	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,4-Dichlorophenol	NA	0.4	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,4-Dimethylphenol	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
4,6-Dinitro-2-methylphenol	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,4-Dinitrophenol	NA	0.200 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,4-Dinitrotoluene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,6-Dinitrotoluene [1]	NA	1.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Diethylphthlate	NA	7.1	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Dimethylphthlate	NA	2.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Di-n-butyl phthalate	NA	8.1	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Di-n-octyl phthalate	NA	50.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Fluoranthene	NA	50.0	0.096 J	0.092 J	0.18 J	0.18 J	1.3 J	0.57 J
Fluorene	NA	50.0	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Hexachlorobenzene [1]	0.15	0.41	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Hexachlorobutadiene	0.3	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1

Table 7.3.2b - Semi-Volatile Organic Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

Sediment								
Parameter	**NYSDEC Water Quality Sediment Criteria (1)**	**NYSDEC TAGM 4046 Values**	**Creek #1**	**Creek #1 RE**	**Creek #2**	**Creek #2 RE**	**Lower Pond Sediment**	**Upper Pond Sediment**
	ug/g	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Hexachlorocyclopentadiene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Hexachloroethane	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Indeno(1,2,3-cd)pyrene	1.3	3.2	<0.41	<0.41	<0.47	<0.47	0.25 J	0.14 J
Isophorone [1]	NA	4.4	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2-Methylnaphthalene	NA	36.4	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2-Methylphenol	NA	0.100 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
3+4-Methylphenols	NA	NA	<0.81	<0.81	<0.94	<0.94	<2.7	<2.2
Naphthalene	NA	13	0.042 J	0.042 J	<0.47	<0.47	<1.3	<1.1
Nitrobenzene	NA	0.200 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2-Nitroaniline	NA	0.430 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
3-Nitroaniline	NA	0.500 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
4-Nitroaniline	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2-Nitrophenol	NA	0.330 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
4-Nitrophenol	NA	0.100 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
n-Nitroso-di-n-propylamine	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
n-Nitrosodiphenylamine	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,2'-oxybis(1-Chloropropane)	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Pentachlorophenol [1]	NA	1.0 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Phenanthrene	NA	50.0	0.093 J	0.091 J	0.12 J	0.13 J	0.56 J	0.27 J
Phenol	NA	0.03 or MDL	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Pyrene	NA	50.0	0.085 J	0.075 J	0.17 J	0.18 J	0.8 J	0.36 J
1,2,4-Trichlorobenzene	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,4,5-Trichlorophenol	NA	0.1	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
2,4,6-Trichlorophenol	NA	NA	<0.41	<0.41	<0.47	<0.47	<1.3	<1.1
Total Non-Carcinogenic SVOCs	**NA**	**500**	**0.354**	**0.142**	**0.72**	**1.08**	**4.2**	**2.25**
Total Carcinogenic SVOCs	**NA**	**50**	**0.17**	**0.186**	**0.159**	**0.727**	**2.65**	**1.48**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270.

MDL is Method Detection Limit

J indicates an estimated value

NA is Not Applicable

(1) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.2b - Semi-Volatile Organic Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

	Surface Water					
Parameter	**NYSDEC Water Quality Criteria (1)**	**NYSDEC Water Quality Standard**	**Downgradient SW**	**Upgradient SW**	**Lower Pond SW**	**Upper Pond SW**
	ug/L	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Acenaphthene	NA	NA	<10	<10	<10	<10
Acenaphthylene	NA	NA	<10	<10	<10	<10
Anthracene	NA	3.8 *	<10	<10	<10	<10
Benzo(a)anthracene [1]	0.0012	0.03 *	<10	<10	<10	<10
Benzo(a)pyrene [1]	0.0012	NA	<10	<10	<10	<10
Benzo(b)fluoranthene [1]	0.0012	NA	<10	<10	<10	<10
Benzo(g,h,i)perylene	NA	NA	<10	<10	<10	<10
Benzo(k)fluoranthene [1]	0.0012	NA	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	NA	NA	<10	<10	<10	<10
bis(2-Chloroethyl)ether	0.5	NA	<10	<10	<10	<10
bis(2-ethylhexyl)phthalate [1]	NA	0.6	<10	<10	<10	<10
4-Bromophenyl-phenylether	NA	NA	<10	<10	<10	<10
Butylbenzylphthalate	NA	NA	<10	<10	<10	<10
Carbazole	NA	NA	<10	<10	<10	<10
4-Chlorophenyl-phenylether	NA	NA	<10	<10	<10	<10
4-Chloroaniline [1]	NA	NA	<10	<10	<10	<10
4-Chloro-3-methylphenol	NA	NA	<10	<10	<10	<10
2-Chloronaphthalene	NA	NA	<10	<10	<10	<10
2-Chlorophenol	NA	NA	<10	<10	<10	<10
Chrysene	0.0012	NA	<10	<10	<10	<10
Dibenzo(a,h)anthracene [1]	NA	NA	<10	<10	<10	<10
Dibenzofuran	NA	NA	<10	<10	<10	<10
1,2-Dichlorobenzene	NA	5	<10	<10	<10	<10
1,3-Dichlorobenzene	NA	5	<10	<10	<10	<10
1,4-Dichlorobenzene	NA	5	<10	<10	<10	<10
3,3'-Dichlorobenzidine [1]	NA	NA	<10	<10	<10	<10
2,4-Dichlorophenol	NA	5	<10	<10	<10	<10
2,4-Dimethylphenol	NA	NA	<10	<10	<10	<10
4,6-Dinitro-2-methylphenol	NA	NA	<10	<10	<10	<10
2,4-Dinitrophenol	NA	NA	<10	<10	<10	<10
2,4-Dinitrotoluene	NA	NA	<10	<10	<10	<10
2,6-Dinitrotoluene [1]	NA	NA	<10	<10	<10	<10
Diethylphthlate	NA	NA	<10	<10	<10	<10
Dimethylphthlate	NA	NA	<10	<10	<10	<10
Di-n-butyl phthalate	NA	NA	<10	<10	<10	<10
Di-n-octyl phthalate	NA	NA	<10	<10	<10	<10
Fluoranthene	NA	NA	<10	<10	<10	<10
Fluorene	NA	0.54 *	<10	<10	<10	<10
Hexachlorobenzene [1]	0.0001	NA	<10	<10	<10	<10
Hexachlorobutadiene	0.06	1.0	<10	<10	<10	<10

Table 7.3.2b - Semi-Volatile Organic Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

	Surface Water					
Parameter	**NYSDEC Water Quality Criteria (1)**	**NYSDEC Water Quality Standard**	**Downgradient SW**	**Upgradient SW**	**Lower Pond SW**	**Upper Pond SW**
	ug/L	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Hexachlorocyclopentadiene	NA	0.45	<10	<10	<10	<10
Hexachloroethane	NA	NA	<10	<10	<10	<10
Indeno(1,2,3-cd)pyrene	0.0012	NA	<10	<10	<10	<10
Isophorone [1]	NA	NA	<10	<10	<10	<10
2-Methylnaphthalene	NA	4.7	<10	<10	<10	<10
2-Methylphenol	NA	NA	<10	<10	<10	<10
3+4-Methylphenols	NA	NA	<20	<20	<20	<20
Naphthalene	NA	13 *	<10	<10	<10	<10
Nitrobenzene	NA	NA	<10	<10	<10	<10
2-Nitroaniline	NA	NA	<10	<10	<10	<10
3-Nitroaniline	NA	NA	<10	<10	<10	<10
4-Nitroaniline	NA	NA	<10	<10	<10	<10
2-Nitrophenol	NA	NA	<10	<10	<10	<10
4-Nitrophenol	NA	NA	<10	<10	<10	<10
n-Nitroso-di-n-propylamine	NA	NA	<10	<10	<10	<10
n-Nitrosodiphenylamine	NA	NA	<10	<10	<10	<10
2,2'-oxybis(1-Chloropropane)	NA	NA	<10	<10	<10	<10
Pentachlorophenol [1]	NA	[2]	<10	<10	<10	<10
Phenanthrene	NA	5.0 *	<10	<10	<10	<10
Phenol	NA	NA	<10	<10	<10	<10
Pyrene	NA	4.6 *	<10	<10	<10	<10
1,2,4-Trichlorobenzene	NA	5	<10	<10	<10	<10
2,4,5-Trichlorophenol	NA	NA	<10	<10	<10	<10
2,4,6-Trichlorophenol	NA	NA	<10	<10	<10	<10
Total Non-Carcinogenic SVOCs	**NA**	**NA**	**ND**	**ND**	**ND**	**ND**
Total Carcinogenic SVOCs	**NA**	**NA**	**ND**	**ND**	**ND**	**ND**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270.

MDL is Method Detection Limit

J indicates an estimated value

[2] exp[1.005 (pH) - 5.134]

* indicates a Guidance Value (GV)

NA is Not Applicable

ND is Not Detected

(1) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.2c - Pesticides and Polychlorinated Biphenyl Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech No. L2801

Sediment						
Parameter	**NYSDEC Water Quality Sediment Criteria [3]**	**NYSDEC TAGM 4046 Values**	**Creek #1**	**Creek #2**	**Lower Pond Sediment**	**Upper Pond Sediment**
	ug/g	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aldrin	0.1	0.041	<0.0041	<0.0047	<0.0067	<0.0056
alpha-BHC	NA	0.11	<0.0041	<0.0047	<0.0067	<0.0056
beta-BHC	NA	0.2	<0.0041	<0.0047	<0.0067	<0.0056
delta-BHC	NA	0.3	<0.0041	<0.0047	<0.0067	<0.0056
gamma-BHC (Lindane)	NA	0.06	<0.0041	<0.0047	<0.0067	<0.0056
Chlordane	0.001	0.54	<0.0041	<0.0047	<0.0067	<0.0056
alpha-chlordane	NA	NA	<0.0041	<0.0047	<0.0067	<0.0056
gamma-chlordane	NA	0.54	<0.0041	<0.0047	<0.0067	<0.0056
4,4'-DDD	0.01	2.9	<0.0041	<0.0047	<0.0067	<0.0056
4,4'-DDE	0.01	2.1	<0.0041	<0.0047	<0.0067	<0.0056
4,4'-DDT	0.01	2.1	<0.0041	0.00715 *	<0.0067	<0.0056
Dieldrin	0.1	0.044	<0.0041	<0.0047	<0.0067	<0.0056
Endosulfan I	NA	0.9	<0.0041	<0.0047	<0.0067	<0.0056
Endosulfan II	NA	0.9	<0.0041	<0.0047	<0.0067	<0.0056
Endosulfan Sulfate	NA	1.0	<0.0041	<0.0047	<0.0067	<0.0056
Endrin	0.8	0.1	<0.0041	<0.0047	<0.0067	<0.0056
Endrin aldehyde	NA	NA	<0.0041	<0.0047	<0.0067	<0.0056
Endrin keytone	NA	NA	<0.0041	<0.0047	<0.0067	<0.0056
Heptachlor	0.0008	0.1	<0.0041	<0.0047	<0.0067	<0.0056
Heptachlor epoxide	0.0008	0.02	<0.0041	<0.0047	<0.0067	<0.0056
Methoxychlor	NA	NA	<0.0041	<0.0047	<0.0067	<0.0056
Toxaphene	0.02	NA	<0.0041	<0.047	<0.067	<0.056
Total Pesticides	**NA**	**10**	**ND**	**0.00715**	**ND**	**ND**
Polychlorinated Biphenyls						
Aroclor 1016	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	<0.067	<0.056
Aroclor 1221	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	<0.067	<0.056
Aroclor 1232	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	<0.067	<0.056
Aroclor 1242	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	<0.067	<0.056
Aroclor 1248	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	<0.067	<0.056
Aroclor 1254	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	0.6	0.55
Aroclor 1260	0.0008	1.0 [1] / 10 [2]	<0.020	<0.023	<0.067	<0.056
Total PCBs	0.0008	**1.0 [1]/10 [2]**	**ND**	**ND**	**0.6**	**0.55**

Pesticides and PCBs analyzed using EPA Method 8082.

* Result is an average of the Primary Result and the Confirmation Result

NA is Not Applicable

ND is Not Detected

(1) Surface Standard; (2) Subsurface Standard

(3) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.2c - Pesticides and Polychlorinated Biphenyl Compounds for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech No. L2801

	Surface Water					
Parameter	**NYSDEC Water Quality Criteria [3]**	**NYSDEC Water Quality Standard**	**Downgradient SW**	**Upgradient SW**	**Lower Pond SW**	**Upper Pond SW**
	ug/L	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Aldrin	0.001	0.001	<0.05	<0.05	<0.05	<0.05
alpha-BHC	NA	NA	<0.05	<0.05	<0.05	<0.05
beta-BHC	NA	NA	<0.05	<0.05	<0.05	<0.05
delta-BHC	NA	NA	<0.05	<0.05	<0.05	<0.05
gamma-BHC (Lindane)	NA	NA	<0.05	<0.05	<0.05	<0.05
Chlordane	0.002	NA	<0.05	<0.05	<0.05	<0.05
alpha-chlordane	NA	NA	<0.05	<0.05	<0.05	<0.05
gamma-chlordane	NA	NA	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	0.00001	0.00008	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	0.00001	0.000007	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	0.00001	0.00001	<0.05	<0.05	<0.05	<0.05
Dieldrin	0.001	0.0000006	<0.05	<0.05	<0.05	<0.05
Endosulfan I	NA	NA	<0.05	<0.05	<0.05	<0.05
Endosulfan II	NA	NA	<0.05	<0.05	<0.05	<0.05
Endosulfan Sulfate	NA	NA	<0.05	<0.05	<0.05	<0.05
Endrin	0.002	0.002	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	NA	NA	<0.05	<0.05	<0.05	<0.05
Endrin keytone	NA	NA	<0.05	<0.05	<0.05	<0.05
Heptachlor	0.00003	0.0004	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	0.00003	0.0003	<0.05	<0.05	<0.05	<0.05
Methoxychlor	NA	0.03	<0.05	<0.05	<0.05	<0.05
Toxaphene	0.009	0.000006	<0.50	<0.50	<0.50	<0.50
Total Pesticides	**NA**	**NA**	**ND**	**ND**	**ND**	**ND**
	Polychlorinated Biphenyls					
Aroclor 1016	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.0000006	0.000001	<0.5	<0.5	<0.5	<0.5
Total PCBs	0.0000006	0.000001	**ND**	**ND**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082.

* Result is an average of the Primary Result and the Confirmation Result

NA is Not Applicable

ND is Not Detected

(3) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.2d - Metal Analytes for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

Sediment							
Parameter	**NYSDEC Water Quality Sediment Criteria (1)**	**NYSDEC TAGM 4046 Values**	**USEPA Eastern USA Background**	**Creek #1**	**Creek #2**	**Lower Pond Sediment**	**Upper Pond Sediment**
	ug/g	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**	**mg/kg**
Aluminum	NA	SB	33,000	2,020	3,610	17,700	14,900
Antimony	2/25	SB	NA	<0.9	1.2 B	<2.9	<2.5
Arsenic	6/33	7.5 or SB	3-12	35.9	64	31.6	29.1
Barium	NA	300 or SB	15-600	14.3 B	47.9	108	102
Beryllium	NA	0.16 or SB	0-1.75	0.15 B	0.36 B	0.88 B	0.74 B
Cadmium	0.6/9	10	0.1-1	<0.06	<0.07	<0.2	<0.16
Calcium	NA	SB	130-35,000	40,700	29,200	22,100	16,800
Chromium	26/110	50	1.5-40	55.9	449	58.9	25
Cobalt	NA	30 or SB	2.5-60	2.5 B	3.9 B	10.8 B	9.0 B
Copper	16/110	25 or SB	1-50	10.2	104	33.2	22.6
Cyanide	NA	NA	NA	<0.61	<0.70	<2.0	<1.7
Iron	2%/4%	2,000 or SB	2,000-550,000	8,980	15,700	30,500	24,300
Lead	31/110	**	**	11.4	24.1	64.2	68.9
Magnesium	NA	SB	100-5,000	9,470	11,800	3,720	3,000
Manganese	460/1,100	SB	50-5,000	172	295	1,230	700
Mercury	0.15/1.3	0.1	0.001-0.2	<0.04	<0.05	<0.12	<0.11
Nickel	16/50	13 or SB	0.5-25	3.9 B	11	13.7 B	10.8 B
Potassium	NA	SB	8,500-43,000	336 B	325 B	1,080 B	776 B
Selenium	NA	2 or SB	0.1-3.9	<0.57	0.9	<1.9	<1.6
Silver	1/2.2	SB	NA	<0.19	<0.22	<0.63	<0.53
Sodium	NA	SB	6,000-8,000	165 B	218 B	362 B	365 B
Thallium	NA	SB	NA	0.63 B	<0.73	<2	<1.7
Vanadium	NA	150 or SB	1-300	13.4	24.8	52.6	42.9
Zinc	120/270	20 or SB	9-50	56.9	291	203	178
% Solids	NA	NA	NA	81.9	71	25.2	29.8

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury.

SB is Site Background

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)

NA is Not Applicable

(1) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.2d - Metal Analytes for Sediment & Surface Water (January 2001), Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2801

	Surface Water				
Parameter	**NYSDEC Surface Water Quality Standard [8]**	**Downgradient SW**	**Upgradient SW**	**Lower Pond SW**	**Upper Pond SW**
	ug/L	**ug/L**	**ug/L**	**ug/L**	**ug/L**
Aluminum	100	241	562	388	285
Antimony	NA	<7.5	<7.5	<7.5	<7.5
Arsenic	150	<4.5	<4.5	<4.5	<4.5
Barium	NA	9.7 B	10.1 B	9.9 B	9.1 B
Beryllium	[4]	<0.1	<0.1	<0.1	<0.1
Cadmium	[5]	<0.5	<0.5	<0.5	<0.5
Calcium	NA	39,900	37,100	38,400	39,300
Chromium	[6]	0.69 B	0.68 B	<0.5	<0.5
Cobalt	5.0	<1.1	<1.1	<1.1	<1.1
Copper	[7]	<1.2	<1.2	<1.2	<1.2
Cyanide	5.2	<10	<10	<10	<10
Iron	300	575	894	870	553
Lead	[1]	<1.5	<1.5	<1.5	3.0 B
Magnesium	NA	5,020	4,980 B	4,910 B	5,110
Manganese	NA	118	89.7	163	101
Mercury	0.77	<0.2	<0.2	<0.20	<0.20
Nickel	[2]	<1.6	<1.6	<1.6	<1.6
Potassium	NA	747 B	718 B	678 B	679 B
Selenium	4.6	<4.8	<4.8	<4.8	<4.8
Silver	0.1	<1.6	<1.6	<1.6	<1.6
Sodium	NA	11,800	24,100	10,700	10,500
Thallium	8	7.6 B	<5.2	<5.2	<5.2
Vanadium	14	<0.80	0.9 B	<0.8	<0.8
Zinc	[3]	26.8	20.3	16.2 B	17 B
% Solids	NA	NA	NA	NA	NA

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury.

SB is Site Background; NA is Not Applicable

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)

[1] {1.46203- [In (hardness) (0.145712)]} exp (1.273 [In (hardness)] -4.297)

[2] (0.997) exp (0.846 [In (hardness)] +0.0584)

[3] exp(0.85 [In (ppm hardness)] + 0.50)

[4] 11 ug/L when hardness is < 75 ppm, 1,100 ug/L when hardness is > 75 ppm

[5] (0.85) exp (0.7852 [In (ppm hardness)] - 2.715)

[6] (0.86) exp (0.819 [In (ppm hardness)] + 0.6848)

[7] (0.96) exp (0.8545 [In (ppm hardness)] - 1.702)

[8] Based on Water Class C Type A(C) for Fish Propagation

SECTION 5
ANALYTICAL TABLES FOR SEDIMENT & SURFACE WATER, CREEK & PONDS
(FEBRUARY 2002 SAMPLING EVENT)

SECTION 5 – ANALYTICAL TABLES FOR SEDIMENT & SURFACE WATER, CREEK & PONDS (FEBRUARY 2002 SAMPLING EVENT)

Table 7.3.3a	Semi-volatile Organic Compounds For Sediment, Creek and Ponds
Table 7.3.3b	Polychlorinated Biphenyl For Sediment Creek and Ponds
Table 7.3.3c	Metal Analytes For Sediment Creek and Ponds

Table 7.3.3a - Semi-Volatile Organic Compounds for Sediment (February 2002)
Creek & Ponds
Risedorph Tannery - Project #00.6630
Not Validated Analytical Results
Chemtech No. P1593

Parameter	Quality Sediment Criteria (1)	NYSDEC TAGM 4046 Values	PSS-1	PSS-2	PSS-3	PSS-4	PSS-5	PSS-6	PSS-7	PSS-8	CSS-1	EQUIP. BLANK	CSS-2	CSS-3	CSS-4	CSS-5	CSS-6	FD-1 (CSS-3)
	ug/g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	NA	50.0	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Acenaphthylene	NA	41	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Anthracene	NA	50.0	< 1.1	< 1.2	< 1.3	< 0.97	0.13 J	< 1.1	0.14 J	0.16 J(0.17 J)	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45(0.047 J)	0.064 J(0.063 J)
Benzo(a)anthracene [1]	1.3	0.224 or MDL	0.29 J(0.28 J)	0.48 J(0.46 J)	0.39 J	0.36 J(0.35 J)	0.82 J(0.81 J)	0.33 J	0.6 J(0.61 J)	0.64 J	< 0.43	< 0.01	< 0.42	< 0.97	0.071 J(0.07 J)	0.23 J(0.22 J)	0.11 J(0.12 J)	0.21 J(0.22 J)
Benzo(a)pyrene [1]	1.3	0.061 or MDL	0.32 J(0.34 J)	0.57 J(0.56 J)	0.4 J	0.38 J	0.91 J(0.87 J)	0.34 J	0.65 J(0.64 J)	0.72 J(0.71 J)	< 0.43	< 0.01	< 0.42	< 0.97	0.073 J(0.080 J)	0.24 J(0.26 J)	0.11 J	0.21 J
Benzo(b)fluoranthene [1]	1.3	0.224 or MDL	0.44 J(0.4 J)	0.76 J(0.71 J)	0.51 J	0.52 J(0.51 J)	1.2	0.39 J	0.88 J(0.87 J)	0.82 J(0.87 J)	< 0.43	< 0.01	< 0.42	< 0.97(0.11 J)	0.094 J(0.1 J)	0.31 J(0.32 J)	0.14 J(0.13 J)	0.24 J(0.22 J)
Benzo(g,h,i)perylene	NA	50.0	0.11 J	0.18 J(0.21 J)	0.18 J	0.15 J	0.36 J	0.18 J	0.25 J(0.24 J)	0.23 J(0.26 J)	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	0.086 J(0.095 J)	0.05 J(0.046 J)	0.096 J(0.089 J)
Benzo(k)fluoranthene [1]	1.3	0.224 or MDL	0.42 J(0.48 J)	0.77 J(0.86 J)	0.51 J	0.56 J(0.57 J)	1.4	0.45 J	0.87 J(0.85 J)	1.0 J(0.96 J)	< 0.43	< 0.01	< 0.42	0.10 J(0.11 J)	0.096 J(0.098 J)	0.35 J(0.34 J)	0.13 J(0.14 J)	0.27 J(0.25 J)
bis(2-Chloroethoxy)methane	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
bis(2-Chloroethyl)ether	0.03	NA	< 1.1	< 1.2	<1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
bis(2-ethylhexyl)phthalate [1]	NA	50.0	0.6 J(0.71 J)	1.3(1.4)	0.78 J	< 0.93(0.9 J)	0.53 J(0.52 J)	0.26 J	0.54 J(0.55 J)	0.78 J(0.87 J)	0.18 J	< 0.01	0.91(1.1)	0.30 J(0.36 J)	< 0.43	0.7(0.75)	1.4(1.5)	0.33 J(0.48 J)
4-Bromophenyl-phenylether	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Butylbenzylphthalate	NA	50.0	< 1.1	< 1.2(0.13 J)	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	0.13 J(0.15 J)	< 0.43	< 0.57	< 0.45	< 0.48
Carbazole	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	0.11 J(0.1 J)	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	0.056 J(0.055 J)
4-Chlorophenyl-phenylether	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
4-Chloroaniline [1]	NA	0.220 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
4-Chloro-3-methylphenol	NA	0.240 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2-Chloronaphthalene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2-Chlorophenol	NA	0.8	< 1.1	<1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Chrysene	1.3	0.4	0.46 J	0.77 J	0.59 J	0.59 J(0.58 J)	1.4	0.53 J	0.92(0.91)	0.96 J(0.95 J)	< 0.43	< 0.01	< 0.42	0.12 J	0.12 J(0.11 J)	0.31 J(0.30 J)	0.17 J	0.29 J(0.3 J)
Dibenzo(a,h)anthracene [1]	NA	0.014 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Dibenzofuran	NA	6.2	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
1,2-Dichlorobenzene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
1,3-Dichlorobenzene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
1,4-Dichlorobenzene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
3,3'-Dichlorobenzidine [1]	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,4-Dichlorophenol	NA	0.4	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,4-Dimethylphenol	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
4,6-Dinitro-2-methylphenol	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,4-Dinitrophenol	NA	0.200 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,4-Dinitrotoluene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,6-Dinitrotoluene [1]	NA	1.0	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Diethylphthalate	NA	7.1	< 1.1	< 1.2	< 1.3	< 0.97	0.13 J	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	0.045 J(0.044J)	< 0.57	< 0.45	< 0.48
Dimethylphthalate	NA	2.0	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57(0.28 J)	< 0.45	< 0.48
Di-n-butyl phthalate	NA	8.1	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Di-n-octyl phthalate	NA	50.0	0.6 J(0.62 J)	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Fluoranthene	NA	50.0	0.7 J(0.64 J)	1.1 J(1.0 J)	1.0 J	< 0.9(0.88 J)	1.9(1.8)	0.85 J	1.3(1.4)	1.4(1.3)	< 0.43	< 0.01	< 0.42	0.17 J(0.15 J)	0.17 J(0.15 J)	0.48 J(0.46 J)	0.31 J(0.29 J)	0.48(0.47 J)
Fluorene	NA	50.0	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Hexachlorobenzene [1]	0.15	0.41	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Hexachlorobutadiene	0.3	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48

Table 7.3.3a - Semi-Volatile Organic Compounds for Sediment (February 2002)
Creek & Ponds
Risedorph Tannery - Project #00.6630
Not Validated Analytical Results
Chemtech No. P1593

Parameter	Quality Sediment Criteria (1)	NYSDEC TAGM 4046 Values	PSS-1	PSS-2	PSS-3	PSS-4	PSS-5	PSS-6	PSS-7	PSS-8	CSS-1	EQUIP. BLANK	CSS-2	CSS-3	CSS-4	CSS-5	CSS-6	FD-1 (CSS-3)
	ug/g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hexachlorocyclopentadiene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Hexachloroethane	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Indeno(1,2,3-cd)pyrene	1.3	3.2	< 1.1	< 1.2	< 1.3	< 0.97	0.16 J(0.18 J)	0.14 J	0.13 J(0.12 J)	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	0.057 J(0.053 J)
Isophorone [1]	NA	4.4	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2-Methylnaphthalene	NA	36.4	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2-Methylphenol	NA	0.100 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
3+4-Methylphenols	NA	NA	< 2.2	< 2.4	< 2.5	< 1.9	< 2.0	< 2.1	< 0.91	< 2.3	< 0.86	< 0.02	< 0.84	< 1.9	< 0.87	< 1.1	< 0.9	< 0.96
Naphthalene	NA	13	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	0.053 J	< 0.57	< 0.45	0.083 J(0.087 J)
Nitrobenzene	NA	0.200 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2-Nitroaniline	NA	0.430 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
3-Nitroaniline	NA	0.500 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
4-Nitroaniline	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2-Nitrophenol	NA	0.330 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
4-Nitrophenol	NA	0.100 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
n-Nitroso-di-n-propylamine	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
n-Nitrosodiphenylamine	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,2'-oxybis(1-Chloropropane)	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Pentachlorophenol [1]	NA	1.0 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Phenanthrene	NA	50.0	0.4 J(0.39 J)	0.63 J(0.61 J)	0.54 J	0.49 J(0.50 J)	0.94 J(0.91 J)	0.41 J	0.75 J	0.82 J(0.8 J)	< 0.43	< 0.01	< 0.42	0.098 J(<0.97)	0.14 J(0.13 J)	0.24 J	0.24 J	0.36 J(0.37 J)
Phenol	NA	0.03 or MDL	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Pyrene	NA	50.0	0.91 J(0.99 J)	1.5(1.7)	0.91 J	1	2.2	0.71 J	1.6(1.5)	2(2.1)	< 0.43	< 0.01	0.067 J(0.069 J)	0.19 J(0.21 J)	0.22 J(0.25 J)	0.71(0.76)	0.34 J(0.35 J)	0.5
1,2,4-Trichlorobenzene	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,4,5-Trichlorophenol	NA	0.1	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
2,4,6-Trichlorophenol	NA	NA	< 1.1	< 1.2	< 1.3	< 0.97	< 1.0	< 1.1	< 0.91	< 1.2	< 0.43	< 0.01	< 0.42	< 0.97	< 0.43	< 0.57	< 0.45	< 0.48
Total Non-Carcinogenic SVOCs	**NA**	**500**	**3.18(3.21)**	**4.18(4.42)**	**3.22**	**2.23(3.11)**	**7.33(7.21)**	**2.82**	**5.09(5.06)**	**5.57(5.58)**	**ND**	**ND**	**0.067(0.069)**	**0.708(0.63)**	**0.695(0.737)**	**1.826(2.135)**	**1.11(1.143)**	**1.986(1.987)**
Total Carcinogenic SVOCs	**NA**	**50**	**2.07(2.21)**	**3.88(3.99)**	**2.59**	**1.82(2.71)**	**4.86(4.80)**	**1.77**	**3.54(3.52)**	**3.96(4.05)**	**0.18**	**ND**	**0.91(1.1)**	**0.4(0.58)**	**0.334(0.348)**	**1.83(1.89)**	**1.89(2.00)**	**1.26(1.38)**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270.

MDL is Method Detection Limit

J indicates an estimated value

NA is Not Applicable

(1) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.3b - Polychlorinated Biphenyl Compounds for Sediment (February 2002)
Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech No. P1593

Parameter	NYSDEC Water Quality Sediment Criteria [3]	NYSDEC TAGM 4046 Values	PSS-1	PSS-2	PSS-3	PSS-4	PSS-5	PSS-6	PSS-7	PSS-8	CSS-1	CSS-2	CSS-3	CSS-4	CSS-5	CSS-6	FD-1 (CSS-3)	EQUIP. BLANK
	ug/g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aroclor 1016	0.0008	1.0 [1] / 10 [2]	< 0.056	< 0.063	< 0.065	< 0.050	< 0.051	< 0.054	<0.046	<0.060	< 0.022	< 0.021	< 0.024	< 0.022	< 0.029	< 0.023	< 0.024	< .00051
Aroclor 1221	0.0008	1.0 [1] / 10 [2]	< 0.056	< 0.063	< 0.065	< 0.050	< 0.051	< 0.054	<0.046	<0.060	< 0.022	< 0.021	< 0.024	< 0.022	< 0.029	< 0.023	< 0.024	< .00051
Aroclor 1232	0.0008	1.0 [1] / 10 [2]	< 0.056	< 0.063	< 0.065	< 0.050	< 0.051	< 0.054	<0.046	<0.060	< 0.022	< 0.021	< 0.024	< 0.022	< 0.029	< 0.023	< 0.024	< .00051
Aroclor 1242	0.0008	1.0 [1] / 10 [2]	< 0.056	< 0.063	< 0.065	< 0.050	< 0.051	< 0.054	<0.046	<0.060	< 0.022	< 0.021	< 0.024	< 0.022	< 0.029	< 0.023	< 0.024	< .00051
Aroclor 1248	0.0008	1.0 [1] / 10 [2]	< 0.056	< 0.063	< 0.065	< 0.050	< 0.051	< 0.054	<0.046	<0.060	< 0.022	< 0.021	< 0.024	< 0.022	< 0.029	< 0.023	< 0.024	< .00051
Aroclor 1254	0.0008	1.0 [1] / 10 [2]	0.12	0.17	0.086	0.5	0.14	0.16	0.35	0.21	< 0.022	< 0.021	0.044 P	0.058	0.062	0.034	0.16	< .00051
Aroclor 1260	0.0008	1.0 [1] / 10 [2]	< 0.056	< 0.063	< 0.065	< 0.050	< 0.051	< 0.054	<0.046	<0.060	< 0.022	0.0053 J	0.022 JP	< 0.022	< 0.029	< 0.023	0.055	< .00051
Total PCBs	0.0008	**1.0 [1]/10 [2]**	**0.12**	**0.17**	**0.086**	**0.5**	**0.14**	**0.16**	**0.35**	**0.21**	**ND**	**0.0053**	**0.044**	**0.058**	**0.062**	**0.034**	**0.215**	**ND**

PCBs analyzed using EPA Method 8082.
* Result is an average of the Primary Result and the Confirmation Result
NA is Not Applicable
ND is Not Detected
(1) Surface Standard
(2) Subsurface Standard
(3) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

Table 7.3.3c - Metal Analytes for Sediment (February 2002)
Creek & Ponds
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. P1593

Parameter	NYSDEC Water Quality Sediment Criteria [(1)]	NYSDEC TAGM 4046 Values	Eastern USA Background	PSS-1	PSS-2	PSS-3	PSS-4	PSS-5	PSS-6	PSS-7	PSS-8	CSS-1	CSS-2	CSS-3	CSS-4	CSS-5	CSS-6	FD-1 (CSS-1)	EQUIP. BLANK
	ug/g	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	NA	SB	33,000	12,500	16,000	17,200	15,300	16,100	13,900	12,200	12,700	7,090	2,350	4,080	2,900	5,260	3,340	3,300	12.3 B
Antimony	2/25	SB	NA	< 1.9	< 2.1	< 2.3	2.3 B	1.9 B	< 1.9	< 1.6	< 2.1	0.84 B	13.4	4.0 B	< 0.77	1.5 B	1.6 B	7.2 B	< 5.9
Arsenic	6/33	7.5 or SB	3-12	56.7	23	30.5	31.8	20.5	29.5	20	25.2	30.5	23	75.1	12	23.9	16.5	103	< 3.2
Barium	NA	300 or SB	15-600	97.5	102	117	109	92.4	91	85.4	92.7	62.9	67.2	42.5	34.6	55.3	33.6	50.3	< 1.6
Beryllium	NA	0.16 or SB	0-1.75	0.65 B	0.73 B	0.85 B	0.76 B	0.80 B	0.71 B	0.74 B	0.73 B	0.46 B	0.15 B	0.27 B	0.20 B	0.31 B	0.23 B	0.26 B	< 0.20
Cadmium	0.6/9	10	0.1-1	0.66 B	0.69 B	1.1 B	0.76 B	0.59 B	0.68 B	0.58 B	0.93 B	0.28 B	0.26 B	0.31 B	0.15 B	0.30 B	0.25 B	0.78	< 0.60
Calcium	NA	SB	130-35,000	16,300	25,300	12,900	26,600	17,900	12,300	18,400	18,400	23,600	41,800	19,900	14,300	18,000	17,700	23,600	14.1 B
Chromium	26/110	50	1.5-40	121	50.7	36.1	88	25.6	32.8	26	31.6	22.7	1,690	457	83	85	131	779	< 0.90
Cobalt	NA	30 or SB	2.5-60	6.8 B	7.2 B	8.7 B	7.9 B	7.8 B	6.6 B	6.7 B	7.2 B	5.3 B	1.9 B	2.9 B	2.5 B	3.8 B	2.6 B	3.0 B	< 1.0
Copper	16/110	25 or SB	1-50	31.2	25.5	30.1	25.2	23.7	25.1	21.4	27.1	14.7	8.8	11.6	8.1	13.9	12.9	22.6	< 1.6
Iron	2%/4%	2,000 or SB	2,000-550,000	25,100	25,100	27,400	25,900	25,900	23,800	20,500	23,600	14,000	9,550	12,300	9,580	18,500	10,200	12,000	< 17.3
Lead	31/110	**	**	63.8	50.9	77	43.5	35.2	48.7	40.1	69.7	40.8	28.8	24	11.8	20.8	17.9	28.8	< 2.5
Magnesium	NA	SB	100-5,000	2,750	3,590	3,530	5,730	3,430	3,000	3,460	3,050	3,570	14,600	4,910	2,560	5,440	4,920	3,170	< 7.3
Manganese	460/1,100	SB	50-5,000	896	683	795	670	846	584	581	698	481	526	438	185	273	129	307	< 0.40
Mercury	0.15/1.3	0.1	0.001-0.2	0.24	0.19	0.2	0.15	0.15	0.2	0.13	0.3	0.05	0.02	0.07	0.04	0.04	0.04	0.06	< 0.20
Nickel	16/50	13 or SB	0.5-25	14.8	11.8 B	17.2	14.2	13.2	12.0 B	11.3	12.4 B	9.7	3.5 B	6.6	6.6	8.2	7.2	8.2	4.3 B
Potassium	NA	SB	8,500-43,000	638 B	999 B	955 B	1020 B	1070 B	729 B	670 B	609 B	739	318 B	391 B	277 B	436 B	272 B	257 B	< 137
Selenium	NA	2 or SB	0.1-3.9	2	1.9	2.3	1.4 B	< 1.0	1.2 B	1.3 B	2.3	< 0.43	< 0.43	< 0.50	< 0.44	0.78 B	< 0.47	< 0.49	< 3.4
Silver	1/2.2	SB	NA	< 0.53	< 0.57	< 0.62	< 0.47	< 0.49	< 0.51	< 0.44	<0.57	< 0.20	< 0.20	< 0.23	< 0.21	< 0.28	< 0.22	< 0.23	< 1.6
Sodium	NA	SB	6,000-8,000	344 B	349 B	508 B	347 B	340 B	506 B	332 B	337 B	202 B	179 B	286 B	219 B	594 B	198 B	292 B	< 291
Thallium	NA	SB	NA	< 1.9	< 2.0	< 2.2	< 1.7	< 1.7	< 1.8	< 1.6	< 2	< 0.72	< 0.72	< 0.83	< 0.75	< 0.98	< 0.79	< 0.82	< 5.7
Vanadium	NA	150 or SB	1-300	52.3	42.9	55	43.5	41.6	37.5	36.1	39.9	25.1	5.1 B	14.9	16.4	25	18.4	12.3	< 1.5
Zinc	120/270	20 or SB	9-50	191	177	254	155	148	168	130	208	75.2	57	110	73.8	127	111	137	< 1.3
% Solids	NA	NA	NA	29.8	27.3	25.7	34.2	32.6	30.9	35.9	28.1	76.9	78.8	68.3	75.7	57.4	72	69.1	0

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury.

SB is Site Background

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)

NA is Not Applicable

(1) NYSDEC Technical Guidance for Screening Contaminated Sediments, Human Health Bioaccumulation

SECTION 6
ANALYTICAL TABLES FOR SURFACE SOIL SITEWIDE GRID SAMPLING

SECTION 6 – ANALYTICAL TABLES FOR SURFACE SOIL, SITEWIDE GRID SAMPLING

Table 7.4.2a	Semi-volatile Organic Compounds For Surface Soil, Sitewide Grid Sampling
Table 7.4.3a	Polychlorinated Biphenyl Compounds For Surface Soil, Sitewide Grid Sampling
Table 7.4.4a	Metal Analytes For Surface Soil, Sitewide Grid Sampling

Table 7.4.2a - Semi-Volatile Organic Compounds for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	GRID #1	GRID #2	GRID #3	GRID #4	GRID #5	GRID #6	GRID #7	GRID #8	GRID #9	GRID #10	GRID #11	GRID #12	GRID #13	GRID #14	GRID #15	GRID #16	GRID #17	GRID #17 RE	GRID #18	GRID #18 RE	GRID #19	GRID #20	GRID #21
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Acenaphthylene	41	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Anthracene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Benzo(a)anthracene [1]	0.224 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	0.041 J	0.039 J	<0.55	<0.65	<0.51
Benzo(a)pyrene [1]	0.061 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 R	<0.35	0.054 J	0.052 J	<0.55	<0.65	<0.51
Benzo(b)fluoranthene [1]	0.224 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 R	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
Benzo(g,h,i)perylene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 R	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
Benzo(k)fluoranthene [1]	0.224 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	0.067 J	<0.36	<0.55	<0.65	<0.51
bis(2-Chloroethoxy)methane	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
bis(2-Chloroethyl)ether	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
bis(2-ethylhexyl)phthalate [1]	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	0.086 J	0.88	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	0.078 J	0.078 J	<0.36	<0.36	<0.55	<0.65	<0.51
4-Bromophenyl-phenylether	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Butylbenzylphthalate	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Carbazole	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
4-Chlorophenyl-phenylether	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
4-Chloroaniline [1]	0.220 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
4-Chloro-3-methylphenol	0.240 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2-Chloronaphthalene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2-Chlorophenol	0.8	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Chrysene	0.4	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	0.035 J	<0.35	0.047 J	0.048 J	<0.55	<0.65	<0.51
Dibenzo(a,h)anthracene [1]	0.014 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 R	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
Dibenzofuran	6.2	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
1,2-Dichlorobenzene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
1,3-Dichlorobenzene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
1,4-Dichlorobenzene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
3,3'-Dichlorobenzidine [1]	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2,4-Dichlorophenol	0.4	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2,4-Dimethylphenol	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
4,6-Dinitro-2-methylphenol	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34 J	<0.35 J	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
2,4-Dinitrophenol	0.200 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34 J	<0.35	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
2,4-Dinitrotoluene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2,6-Dinitrotoluene [1]	1.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Diethylphthlate	7.1	<1.0	<0.9	<0.56	0.082 J	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Dimethylphthlate	2.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Di-n-buty phthalate	8.1	0.31 J	<0.9	<0.56	<0.52	0.092 J	0.052 J	0.21 J	0.28 J	<0.83	<0.71	0.18 J	0.20 J	<0.45	0.21 J	0.097 J	0.044 J	<0.35 J	<0.35	<0.36	<0.36	0.064 J	<0.65	0.071 J
Di-n-octyl phthalate	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 R	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
Fluoranthene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	0.061 J	0.053 J	<0.34	<0.35 J	<0.35	0.072 J	0.067 J	<0.55	<0.65	<0.51
Fluorene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	0.038 J	0.037 J	<0.36	<0.36	<0.55	<0.65	<0.51
Hexachlorobenzene [1]	0.41	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Hexachlorobutadiene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Hexachlorocyclopentadiene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Hexachloroethane	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Indeno(1,2,3-cd)pyrene	3.2	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 R	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
Isophorone [1]	4.4	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2-Methylnaphthalene	36.4	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	0.06 J	0.057 J	<0.36	<0.36	<0.55	<0.65	<0.51
2-Methylphenol	0.100 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
3+4-Methylphenols	NA	<2.1	<1.8	<1.1	<1.0	<1.1	<0.97	<1.0	<2.8	<1.7	<1.4	<1.3	<1.2	<0.90	<0.87	<0.81	<0.69	<0.69	<0.69	<0.72	<0.72	<1.1	<1.3	<1.0

Table 7.4.2a - Semi-Volatile Organic Compounds for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	GRID #1	GRID #2	GRID #3	GRID #4	GRID #5	GRID #6	GRID #7	GRID #8	GRID #9	GRID #10	GRID #11	GRID #12	GRID #13	GRID #14	GRID #15	GRID #16	GRID #17	GRID #17 RE	GRID #18	GRID #18 RE	GRID #19	GRID #20	GRID #21
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Naphthalene	13	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Nitrobenzene	0.200 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2-Nitroaniline	0.430 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
3-Nitroaniline	0.500 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
4-Nitroaniline	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2-Nitrophenol	0.330 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
4-Nitrophenol	0.100 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34 J	<0.35 J	<0.35	<0.36 J	<0.36	<0.55	<0.65	<0.51
n-Nitroso-di-n-propylamine	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
n-Nitrosodiphenylamine	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2,2'-oxybis(1-Chloropropane)	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Pentachlorophenol [1]	1.0 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35 J	0.037 J	<0.36	<0.36	<0.55	<0.65	<0.51
Phenanthrene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	0.074 J	0.081 J	0.056 J	0.058 J	<0.55	<0.65	<0.51
Phenol	0.03 or MDL	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
Pyrene	50.0	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	0.047 J	0.042 J	<0.34	0.045 J	0.045 J	0.11 J	0.12 J	<0.55	<0.65	<0.51
1,2,4-Trichlorobenzene	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2,4,5-Trichlorophenol	0.1	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	<0.35	<0.35	<0.36	<0.36	<0.55	<0.65	<0.51
2,4,6-Trichlorophenol	NA	<1.0	<0.9	<0.56	<0.52	<0.53	<0.48	<0.51	<1.4	<0.83	<0.71	<0.63	<0.61	<0.45	<0.43	<0.41	<0.34	0.11 JN	0.095 J	<0.36	<0.36	<0.55	<0.65	<0.51
Total Non-Carcinogenic SVOCs	**500**	**0.31**	**ND**	**ND**	**0.082**	**0.092**	**0.052**	**0.21**	**0.28 J**	**ND**	**ND**	**0.18**	**0.2**	**ND**	**0.318**	**0.192**	**0.044**	**0.362**	**0.315**	**0.285**	**0.293**	**0.064**	**ND**	**0.071**
Total Carcinogenic SVOCs	**50**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.086**	**0.88**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.078**	**0.115**	**0.162**	**0.091**	**ND**	**ND**	**ND**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)
SVOCs analyzed using EPA Method 8270
MDL is Method Detection Limit
J indicates an estimated value
E indicates the analyte's concentration exceeds the calibrated range of the GC / MS instrument
D indicates secondary dilution was performed on analyte
NA is Not Applicable
ND is Not Detected

Table 7.4.2a - Semi-Volatile Organic Compounds for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	GRID #22	GRID #23	GRID #24	GRID #25	GRID #26	GRID #27	GRID #28	GRID #29	GRID #30	GRID #31	GRID #32	GRID #33	GRID #34	GRID #35	GRID #36	GRID #37	GRID #38
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	50.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	0.29 J	<0.40	0.046 J	<0.46	<0.44	<0.40	<0.43
Acenaphthylene	41	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	0.13 J	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Anthracene	50.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	0.61 JD	0.62	<0.40	0.17 J	<0.46	<0.44	<0.40	<0.43
Benzo(a)anthracene [1]	0.224 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	3.6 D	1.4	<0.40	0.42 J	0.13 J	<0.44	0.10 J	<0.43
Benzo(a)pyrene [1]	0.061 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	3.1 E	1.2	<0.40	0.30 J	0.12 J	<0.44	0.076 J	<0.43
Benzo(b)fluoranthene [1]	0.224 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	3.9 E	1.3	<0.40	0.33 J	0.15 J	<0.44	0.08 J	<0.43
Benzo(g,h,i)perylene	50.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	1.8 JD	<0.56	<0.40	<0.44	<0.46	<0.44	0.045 J	<0.43
Benzo(k)fluoranthene [1]	0.224 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	1.4 JD	0.57	<0.40	0.17 J	0.06 J	<0.44	0.048 J	<0.43
bis(2-Chloroethoxy)methane	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
bis(2-Chloroethyl)ether	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
bis(2-ethylhexyl)phthalate [1]	50.0	<0.79	<0.35	0.041 J	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	0.041 J	0.10 J
4-Bromophenyl-phenylether	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Butylbenzylphthalate	50.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Carbazole	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	0.072 J	0.34 J	<0.40	0.052 J	<0.46	<0.44	<0.40	<0.43
4-Chlorophenyl-phenylether	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
4-Chloroaniline [1]	0.220 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
4-Chloro-3-methylphenol	0.240 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2-Chloronaphthalene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2-Chlorophenol	0.8	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Chrysene	0.4	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	3.4 D	1.2	<0.40	0.37 J	0.13 J	<0.44	0.087 J	<0.43
Dibenzo(a,h)anthracene [1]	0.014 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	0.41	0.12 J	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Dibenzofuran	6.2	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	0.36 J	<0.40	0.046 J	<0.46	<0.44	<0.40	<0.43
1,2-Dichlorobenzene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
1,3-Dichlorobenzene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
1,4-Dichlorobenzene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
3,3'-Dichlorobenzidine [1]	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,4-Dichlorophenol	0.4	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,4-Dimethylphenol	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
4,6-Dinitro-2-methylphenol	NA	<0.79	<0.35	<0.35 J	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,4-Dinitrophenol	0.200 or MDL	<0.79	<0.35	<0.35 J	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,4-Dinitrotoluene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,6-Dinitrotoluene [1]	1.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Diethylphthlate	7.1	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Dimethylphthlate	2.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Di-n-buty phthalate	8.1	0.081 J	<0.35	<0.35	<4.8	<4.7	0.051 J	0.12 J	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Di-n-octyl phthalate	50.0	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Fluoranthene	50.0	<0.79	<0.35	<0.35	0.6 J	<4.7	<0.44	<0.88	<0.42	<0.42	6.3 D	3.4	0.056 J	0.96	0.20 J	<0.44	0.20 J	<0.43
Fluorene	50.0	<0.79	<0.35	<0.35	0.5 J	0.61 J	<0.44	<0.88	<0.42	<0.42	0.058 J	0.6	<0.40	0.10 J	<0.46	<0.44	<0.40	<0.43
Hexachlorobenzene [1]	0.41	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Hexachlorobutadiene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Hexachlorocyclopentadiene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Hexachloroethane	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Indeno(1,2,3-cd)pyrene	3.2	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	1.9 JD	0.43 J	<0.40	0.11 J	0.066 J	<0.44	<0.40	<0.43
Isophorone [1]	4.4	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2-Methylnaphthalene	36.4	<0.79	<0.35	<0.35	1.3 J	3.4 J	<0.44	<0.88	<0.42	<0.42	<0.39	0.16 J	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2-Methylphenol	0.100 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
3+4-Methylphenols	NA	<1.6	<0.71	<0.70	<9.5	<9.4	<0.89	<1.8	<0.83	<0.84	<0.78	<1.1	<0.79	<0.89	<0.93	<0.88	<0.79	<0.85

Table 7.4.2a - Semi-Volatile Organic Compounds for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	GRID #22	GRID #23	GRID #24	GRID #25	GRID #26	GRID #27	GRID #28	GRID #29	GRID #30	GRID #31	GRID #32	GRID #33	GRID #34	GRID #35	GRID #36	GRID #37	GRID #38
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Naphthalene	13	<0.79	<0.35	<0.35	2.9 J	15	<0.44	<0.88	<0.42	<0.42	<0.39	0.33 J	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Nitrobenzene	0.200 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2-Nitroaniline	0.430 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
3-Nitroaniline	0.500 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
4-Nitroaniline	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2-Nitrophenol	0.330 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
4-Nitrophenol	0.100 or MDL	<0.79	<0.35	<0.35 J	<4.8 J	<4.7 J	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
n-Nitroso-di-n-propylamine	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
n-Nitrosodiphenylamine	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,2'-oxybis(1-Chloropropane)	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Pentachlorophenol [1]	1.0 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Phenanthrene	50.0	<0.79	<0.35	<0.35	1.0 J	<4.7	0.06 J	<0.88	<0.42	<0.42	0.74 JD	3.8	0.044 J	0.78	0.13 J	<0.44	0.14 J	<0.43
Phenol	0.03 or MDL	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Pyrene	50.0	<0.79	<0.35	<0.35	0.49 J	<4.7	<0.44	<0.88	<0.42	<0.42	5.7 D	3.0	0.051 J	0.86	0.21 J	<0.44	0.19 J	<0.43
1,2,4-Trichlorobenzene	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,4,5-Trichlorophenol	0.1	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
2,4,6-Trichlorophenol	NA	<0.79	<0.35	<0.35	<4.8	<4.7	<0.44	<0.88	<0.42	<0.42	<0.39	<0.56	<0.40	<0.44	<0.46	<0.44	<0.40	<0.43
Total Non-Carcinogenic SVOCs	**500**	**0.081**	**ND**	**ND**	**6.79**	**19.01**	**0.111**	**0.12**	**ND**	**ND**	**20.71**	**14.53**	**0.151**	**3.494**	**0.736**	**ND**	**0.662**	**ND**
Total Carcinogenic SVOCs	**50**	**ND**	**ND**	**0.041**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**12.41**	**4.59**	**ND**	**1.22**	**0.46**	**ND**	**0.345**	**0.1**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)
SVOCs analyzed using EPA Method 8270
MDL is Method Detection Limit
J indicates an estimated value
E indicates the analyte's concentration exceeds the calibrated range of the GC / MS instrument
D indicates secondary dilution was performed on analyte
NA is Not Applicable
ND is Not Detected

Table 7.4.3a - Polychlorinated Biphenyl Compounds for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	GRID #1	GRID #2	GRID #3	GRID #4	GRID #5	GRID #6	GRID #7	GRID #8	GRID #9	GRID #10	GRID #11	GRID #12	GRID #13	GRID #14	GRID #15	GRID #16	GRID #17	GRID #18	GRID #19
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Polychlorinated Biphenyls																		
Aroclor 1016	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Aroclor 1221	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Aroclor 1232	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Aroclor 1242	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Aroclor 1248	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Aroclor 1254	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Aroclor 1260	1.0	<0.05	<0.05	<0.03	<0.03	<0.03	<0.02	<0.03	<0.07	<0.04	<0.04	<0.03	<0.03	<0.02	<0.02	<0.02	<0.017	<0.017	<0.018	<0.03
Total PCBs	**1.0**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082
NA is Not Applicable
ND is Not Detected

Parameter	NYSDEC TAGM 4046 Values	GRID #20	GRID #21	GRID #22	GRID #23	GRID #24	GRID #25	GRID #26	GRID #27	GRID #28	GRID #29	GRID #30	GRID #31	GRID #32	GRID #33	GRID #34	GRID #35	GRID #36	GRID #37	GRID #38
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
		Polychlorinated Biphenyls																		
Aroclor 1016	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1221	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1232	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1242	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1248	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1254	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	0.031	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Aroclor 1260	1.0	<0.03	<0.03	<0.04	<0.02	<0.018	<0.024	<0.023	<0.02	<0.04	<0.02	<0.021	<0.02	<0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Total PCBs	**1.0**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.031**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082
NA is Not Applicable
ND is Not Detected

Table 7.4.4a - Metal Analytes for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech No. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	USEPA Eastern USA Background	GRID #1	GRID #2	GRID #3	GRID #4	GRID #5	GRID #6	GRID #7	GRID #8	GRID #9	GRID #10	GRID #11	GRID #12	GRID #13	GRID #14	GRID #15	GRID #16	GRID #17	GRID #18	GRID #19	GRID #20
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	6,770	5,740	7,650	13,500	10,400	10,800	8,850	4,830	6,940	12,300	5,360	6,660	6,490	6,870	7,620	3,190	3,500	1,990	9,160	7,840
Antimony	SB	NA	1.4 B	0.96 B	0.84 B	0.96 B	0.56 B	0.95 B	1.5 B	<1.3	1.6 B	0.88 B	0.64 B	0.94 B	0.45 B	0.86 B	1.8 B	0.41 B	<0.32	1.3 B	0.62 BN	<0.613 NE
Arsenic	7.5 or SB	3-12	3.4 E	2.8 E	2.3 E	3.1 E	2.6 E	2.7 E	73.5 E	4.0 BE	5.2 E	5.2 E	2.1 E	3.1 E	2.4 E	42.6 E	101 E	2.4 *	6.1 *	4.8 *	2.5	2.5
Barium	300 or SB	15-600	44.0 B	35.4 B	38.7	90.4	42.7	49.7	40.8	43.3 B	50.8	55.4	29.6 B	33.8 B	32.9	45.2	45.5	37.6	25.3	16.7 B	36.7	103
Beryllium	0.16 or SB	0-1.75	0.82 B	0.66 B	0.76 B	0.97	0.61 B	0.66 B	0.5 B	0.87 B	0.82 B	0.89 B	0.57 B	0.5 B	0.44 B	0.52 B	0.45 B	0.22 B	0.23 B	0.31 B	0.53 B	0.49 B
Cadmium	10	0.1-1	0.28 B	<0.1	<0.07	<0.06	<0.06	<0.06	<0.06	0.64 B	0.26 B	0.09 B	0.13 B	<0.07	<0.05	<0.05	<0.05	<0.04	<0.04	0.09 B	<0.066	0.43 B
Calcium	SB	130-35,000	16,300	12,900	4,660	4,570	4,060	3,560	4,620	22,900	11,800	10,200	6,380	5,680	3,900	6,790	6,440	11,300	44,000	94,400	5,390	10,900
Chromium	50	1.5-40	54.7	31.4	18.0	18.3	11.4	12.2	81.9	36.9	23.5	23.5	17.3	10.8	9.8	58.5	134	9.9	13.6	164	7.5	10.5
Cobalt	30 or SB	2.5-60	6.1 B	4.3 B	4.5 B	6.8 B	5.3 B	5.9 B	5.0 B	3.4 B	5.8 B	7.9 B	3.5 B	4.3 B	4.6 B	5.5 B	5.3 B	2.9 B	3.4 B	3.0 B	3.6 B	6.0 B
Copper	25 or SB	1-50	16.8	16.5	10.2	15.4	10.4	8.9	9.5	38.4	15.9	12.6	11.9	8.5	7.9	48.3	12.1	7.3	7.9	12.9	5.2 E	11.2 E
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	2,000 or SB	2,000-550,000	6,540 E	8,560 E	13,300 E	20,600 E	14,600 E	15,400 E	14,000 E	7,100 E	17,500 E	22,800 E	7,730 E	12,500 E	11,500 E	14,100 E	14,400 E	7,870	7,970	7,100	11,600	9,430
Lead	**	**	5.7	19.9	9.9	33.6	15.3	13.2	25.4	33.3	25.9	18.8	12.5	17.8	10.3	16.5	20	1.4	2.1	7.2	15.0	13.3
Magnesium	SB	100-5,000	1,230 B	1,010 B	867	1,310	1,200	1,320	1,300	1,060 B	1,120 B	1,820	906 B	938	1,410	1,540	1,680	1,310	21,600	13,600	775 B	1,020
Manganese	SB	50-5,000	187 E	149 E	103 E	168 E	179 E	331 E	250 E	216 E	1,020 E	434 E	154 E	244 E	148 E	215 E	215 E	87.7	83	128	139 N	1,470 N
Mercury	0.1	0.001-0.2	0.26	0.21	0.14	0.14	0.11	0.09	0.12	0.08	0.32	0.28	0.13	0.13	0.07	0.09	0.14	<0.01 *	<0.01 *	<0.01 *	0.11 *	0.24 *E
Nickel	13 or SB	0.5-25	13.1	10.4	8.7	12.8	9.9	9.3	6.2	15.6 B	11.2	9.5	6.9 B	5.8 B	7.8	10.1	8.7	3.8 B	6.1	8.4	4.1 B	6.4 B
Potassium	SB	8,500-43,000	327 BE	270 BE	223 BE	503 BE	384 BE	387 BE	288 BE	205 BE	276 BE	591 BE	172 BE	211 BE	356 BE	569 BE	342 BE	499 E	866 E	823 E	134 BE	228 BE
Selenium	2 or SB	0.1-3.9	3.1	1.8	<0.53	<0.49	<0.49	0.46 B	0.6 B	5.1	2.0	0.72 B	1.1	<0.58	0.53 B	<0.41	<0.38	<0.33	<0.33	<0.34	0.99	3.5
Silver	SB	NA	<0.41	<0.34	<0.21	<0.2	<0.2	<0.18	0.21 B	<0.55	<0.32	<0.28	<0.24	<0.24	<0.17	<0.17	<0.16	0.18 B	<0.14	<0.14	0.25 B	0.44 B
Sodium	SB	6,000-8,000	<83.6	138 B	53.7 B	<41	<41	57.5 B	<40.6	219 B	<66.9	<56.8	<49.2	66.9 B	<35.9	97.2 B	<32	1080	754	185 B	<43.84	70.1 B
Thallium	SB	NA	<1.2	<1.0	<0.64	<0.6	<0.6	<0.55	<0.59	<1.7	<0.98	<0.83	<0.72	<0.71	<0.52	<0.5	<0.47	<0.39	<0.41	<0.41	<0.639	<0.76
Vanadium	150 or SB	1-300	18.9	17.6	21.7	33	28.4	26.9	26.5	20.5 B	32.7	43.5	17.7	22.9	22.9	23.9	27.8	14.8	14.2	14.8	22.8	15.2
Zinc	20 or SB	9-50	57.6	29.2	26.2	126	41.4	39.5	42.5	101	60.4	64.4	36.2	47.2	36	539	53.7	15.2	31.6	31.3	28.8	61.1
% Solids	NA	NA																				

** Background levels for lead vary widely. Avg. background levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.
Metals were analyzed using EPA Method 6010 and 7471 for Mercury
SB is Site Background
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 value is estimated
NA is Not Applicable
ND is Not Detected
* indicates duplicate analysis not within control limits
N indicates tentative value

Table 7.4.4a - Metal Analytes for Surface Soil
Sitewide Grid Sampling
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech No. L4155 & L4156

Parameter	NYSDEC TAGM 4046 Values	USEPA Eastern USA Background	GRID #21	GRID #22	GRID #23	GRID #24	GRID #25	GRID #26	GRID #27	GRID #28	GRID #29	GRID #30	GRID #31	GRID #32	GRID #33	GRID #34	GRID #35	GRID #36	GRID #37	GRID #38
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	11,800	8,690	965	3,190	5,520	3,740	9,480	8,060	4,820	9,670	3,400	5,850	4,200	7,700	5,350	5,390	4,760	3,790
Antimony	SB	NA	0.71 BNE	1.6 BNE	1.7 B	0.42 B	7.3 B	22.8	0.84 BNE	1.5 BNE	0.54 BNE	<0.39	0.42 BNE	0.80 BNE	0.81 BNE	0.64 BNE	1.3 BNE	4.9 BNE	0.75 BNE	1.4 BNE
Arsenic	7.5 or SB	3-12	1.9	4.5	14.4 E	1.5 *	134 *	4,210 *	2.5	8.5	2.9	6.4 *	2.3	12.1	16.1	9.0	7.4	887	5.4	4.8
Barium	300 or SB	15-600	29.6 B	43.9 B	25.2	19.4 B	112	346	36.2	57.4	31.0	24.1 B	28.3	52.7	36.4	43.8	43.8	50.4	29.1	387
Beryllium	0.16 or SB	0-1.75	0.57 B	0.75 B	0.18 B	0.26 B	0.43 B	0.46 B	0.56 B	0.68 B	0.40 B	0.37 B	0.34 B	0.49 B	0.47 B	0.53 B	0.51 B	0.49 B	0.35 B	0.31 B
Cadmium	10	0.1-1	<0.062	0.31 B	0.17 B	<0.04	0.98	0.18 B	0.13 B	0.58 B	0.16 B	<0.05	<0.047	0.22 B	0.11 B	0.23 B	0.19 B	0.05 B	0.16 B	0.74
Calcium	SB	130-35,000	2,730	6,940	145,000	32,500	23,200	40,100	2,810	6,380	5,460	6,760	25,500	5,130	19,600	4,000	9,130	7,500	6,120	2,360
Chromium	50	1.5-40	9.6	19.3	42	7.8	279	2,070	11.5	15.2	8.1	7.4	6.0	12.4	14.4	19.8	56.4	295	9.1	9.6
Cobalt	30 or SB	2.5-60	6.0 B	5.5 B	4.2 B	3.3 B	5.3 B	5.0 B	6.6 B	5.9 B	4.6 B	3.2 B	3.2 B	4.6 B	4.8 B	5.3 B	4.0 B	4.9 B	4.1 B	3.2 B
Copper	25 or SB	1-50	6.0 E	14.4 E	25.9	7.6	48.8	30.9	9.4 E	15.2 E	10.1 E	4.8	7.1 E	19.9 E	15.9 E	19.7 E	30.5 E	13.5 E	8.1 E	34.3 E
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	2,000 or SB	2,000-550,000	16,700	18,500	17,800 E	9,100	11,100	11,600	16,800	19,800	9,830	8,950	7,920	12,000	10,300	14,000	10,600	12,800	10,700	5,870
Lead	**	**	10.7	22.6	15.3	3.5	580	86.5	18.6	53.1	11.5	2.8	15.2	69.3	44.5	39.9	128	24.9	21.1	641
Magnesium	SB	100-5,000	1,420	1,310		4,360	3,730	2,360	1,830	1,300 B	2,300	770	2,090	1,310	2,090	1,520	2,840	1,130	1,910	652
Manganese	SB	50-5,000	106 N	359 N	1,310 E	144	82.2	648	256 N	279 N	176 N	67.4	134 N	217 N	210 N	234 N	229 N	304 N	175 N	122 N
Mercury	0.1	0.001-0.2	0.09 *E	0.14 *E	0.03	<0.01 *	<0.01 *	0.27 *	0.15 *E	0.22 *E	0.04 *E	<0.01 *	0.04 *E	0.18 *E	0.09 *E	0.16 *E	0.2 *E	0.27 *E	0.07 *E	0.08 *E
Nickel	13 or SB	0.5-25	7.6	10.6	9.1	22.8	27.9	10.2	7.7	10.7	7.0	4.7 B	5.6	8.9	9.8	9.7	8.6	7.4	7.3	6.2
Potassium	SB	8,500-43,000	198 BE	328 BE	486 BE	928 E	489 BE	973 E	462 BE	217 BE	488 BE	233 BE	582 E	265 BE	698 E	582 BE	424 BE	433 BE	450 BE	311 BE
Selenium	2 or SB	0.1-3.9	0.83	1.5	<0.34	<0.33	0.68 B	0.92	0.79	1.6	<0.402	<0.40	<0.373	<0.51	<0.383	0.57 B	<0.444	<0.41	<0.383	0.73
Silver	SB	NA	0.53 B	0.56 B	<0.14	<0.13	<0.18	0.21 B	0.36 B	0.89 B	<0.163	0.26 B	<0.152	0.43 B	0.2 B	0.26 B	0.27 B	0.26 B	0.26 B	0.19 B
Sodium	SB	6,000-8,000	<40.6	<62.9	184 B	2,690	125 B	2,690	<35.65	<70.2	<33.2	135 B	308 B	89.2 B	89.4 B	145 B	582 B	<34.4	76 B	93.5 B
Thallium	SB	NA	<0.59	0.92	0.85 B	<0.40	<0.54	<0.55	<0.52	<1.034	<0.48	<0.49	<0.455	<0.63	<0.467	<0.523	<0.542	<0.50	<0.467	<0.498
Vanadium	150 or SB	1-300	29.1	30.8	15.3	14	21.9	11.2	31.5	32.7	19.1	14.9	13.7	22.5	19.5	29.7	19.5	20.2	24.3	15.1
Zinc	20 or SB	9-50	36.4	60.4	23.7	17.8	229	162	50.7	90.4	43.7	21.6	32.4	101	72.4	97.2	113	57.9	66.1	331
% Solids	NA	NA																		

und levels for lead vary widely. Avg. background levels in metropolitan areas near highways
h higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard
e (7/14/94) establishes a residential screening level of 400 ppm.
e analyzed using EPA Method 6010 and 7471 for Mercury
ackground
value was obtained from a reading less than the Contract Required Detection
(CRDL), but greater than or equal to the Instrument Detection Limit (IDL)
s value is estimated
Applicable
Detected
duplicate analysis not within control limit
s tentative value

SECTION 7
ANALYTICAL TABLES FOR SOIL TEST BORINGS AND GEOPROBES

SECTION 7 – ANALYTICAL TABLES FOR SOIL, TEST BORINGS AND GEOPROBES

Table 7.5.2a	Volatile Organic Compounds For Soil, Test Borings and Geoprobes
Table 7.5.3a	Semi-volatile Organic Compounds For Soil, Test Borings and Geoprobes
Table 7.5.4a	Pesticides and Polychlorinated Biphenyl Compounds For Soil, Test Borings and Geoprobes
Table 7.5.5a	Metal Analytes For Soil, Test Borings and Geoprobes

Table 7.5.2a - Volatile Organic Compounds for Soil
Test Borings and Geoprobes
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2622 & L2667

Parameter	NYSDEC TAGM	GP-1 (0-2')	GP-2 (2-4')	GP-3 (0-4')	GP-3 (0-4') RE	GP-4 (4-8')	GP-5 (2-4')	GP-5 (2-4') RE	SB-1 (1-2')	SB-2 (0.5-2')	SB-3 (0.5-2')	SB-4 (0-2')	SB-5 (0-2')	SB-6A (0.5-2')	SB-7 (0.5-4')	SB-8 (0-2')	SB-9 (0.5-4')	SB-10 (4-8')	SB-11 (0.5-2')
	4046 Values	MW-12	MW-13	MW-14	MW-14	MW-15	MW-16	MW-16	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.2	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Benzene	0.06	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
2-Butanone	0.3	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Carbon Disulfide	2.7	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Carbon Tetrachloride	0.6	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Chlorobenzene	1.7	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Chloroform	0.3	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Dibromochloromethane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,1-Dichloroethane	0.2	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,2-Dichloroethane	0.1	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,1-Dichloroethene	0.4	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,2-Dichloroethene (trans)	0.3	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,2-Dichloroethene (cis)	0.25	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Ethylbenzene	5.5	<0.0085	0.013 J	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Methylene Chloride	0.1	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
4-Methyl-2-Pentanone	1.0	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Tetrachloroethene	1.4	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,1,1-Trichloroethane	0.8	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,1,2,2-Tetrachloroethane	0.6	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Toluene	1.5	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Trichloroethene	0.7	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Vinyl Chloride	0.2	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,1,2-Trichloroethane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,2-Dichloropropane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,3-Dichloropropene (cis)	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
1,3-Dichloropropene (trans	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
2-Hexanone	NA	<0.020	<0.020	<0.020 R	<0.020	<0.020	<0.020 J	<0.020 J	<0.020 J	<0.020 J	<0.020 J	<0.020 J	<0.020 J	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Bromodichloromethane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Bromoform	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Bromomethane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Chloroethane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Chloromethane	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
m / p-Xylenes	1.2	<0.0085	0.039	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
o-Xylene	1.2	<0.0085	0.009 J	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Styrene	NA	<0.0085	<0.014	<0.0097 R	<0.0097	<0.0061	<0.0071 J	<0.0071 J	<0.0055 J	<0.0062 J	<0.0061 J	<0.0066 J	<0.0056 J	<0.0056	<0.006	<0.0062	<0.0057	<0.0067	<0.0064
Total VOCs	**10**	**ND**	**0.061**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Total TICs	***NA***	***2.835 J***	***5.187 J***	***0.656 J***	***0.325 J***	***0.0086 J***	***0.3179 J***	***0.037 J***	***0.0209 J***	***0.025 J***	***0.037 J***	***0.04 J***	***0.011 J***	***0.015 J***	***0.026 J***	***0.0227 J***	***0.0227 J***	***0.0548 J***	***0.0293 J***

VOCs analyzed using EPA Method 8260
TIC is Tentatively Identified Compound
J indicates an estimated value
NA is Not Applicable
ND is Not Detected

Table 7.5.3a - Semi-Volatile Organic Compounds for Soil
Test Borings and Geoprobes
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2622 & L2667

Parameter	NYSDEC TAGM	GP-1 (0-2')	GP-2 (2-4')	GP-2 (2-4') DL	GP-3 (0-4')	GP-4 (4-8')	GP-5 (2-4')	SB-1 (1-2')	SB-2 (0.5-2')	SB-3 (0.5-2')	SB-4 (0-2')	SB-5 (0-2')	SB-6A (0.5-2')	SB-7 (0.5-4')	SB-8 (0-2')	SB-8 (0-2') RE	SB-9 (0.5-4')	SB-9 (0.5-4') RE	SB-10 (4-8')	SB-11 (0.5-2')
	4046 Values	MW-12	MW-13	MW-13	MW-14	MW-15	MW-16	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-8	MW-9	MW-9	MW-10	MW-11
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	50.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.094 J	0.086 J	<0.38	<0.38	<0.44	<0.43
Acenaphthylene	41	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Anthracene	50.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.11 J	0.11 J	<0.38	<0.38	<0.44	<0.43
Benzo(a)anthracene [1]	0.224 or MDL	0.09 J	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	0.041 J	0.25 J	0.25 J	<0.38	<0.38	<0.44	0.055 J
Benzo(a)pyrene [1]	0.061 or MDL	0.094 J	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.18 J	0.19 J	<0.38 J	<0.38 J	<0.44	0.046 J
Benzo(b)fluoranthene [1]	0.224 or MDL	0.14 J	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	0.041 J	0.41 J	0.45 J	0.052 J	0.050 J	<0.44	0.067 J
Benzo(g,h,i)perylene	50.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.043 J	0.073 J	<0.38 J	<0.38 J	<0.44	<0.43
Benzo(k)fluoranthene [1]	0.224 or MDL	0.086 J	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.2 J	0.200 J	<0.38 J	<0.38 J	<0.44	<0.43
bis(2-Chloroethoxy)methane	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
bis(2-Chloroethyl)ether	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
bis(2-ethylhexyl)phthalate [1]	50.0	0.11 J	<0.93	<4.6	<0.64	<0.41	<0.48	0.041 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	0.04 J	<0.40	0.061 J	0.068 J	<0.38	<0.38	<0.44	<0.43
4-Bromophenyl-phenylether	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Butylbenzylphthalate	50.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Carbazole	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
4-Chlorophenyl-phenylether	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
4-Chloroaniline [1]	0.220 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
4-Chloro-3-methylphenol	0.240 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2-Chloronaphthalene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2-Chlorophenol	0.8	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Chrysene	0.4	0.12 J	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	0.044 J	0.26 J	0.28 J	0.047 J	0.044 J	<0.44	0.072 J
Dibenzo(a,h)anthracene [1]	0.014 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41 J	<0.41 J	<0.38 J	<0.38 J	<0.44	<0.43
Dibenzofuran	6.2	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
1,2-Dichlorobenzene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
1,3-Dichlorobenzene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
1,4-Dichlorobenzene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
3,3'-Dichlorobenzidine [1]	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,4-Dichlorophenol	0.4	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,4-Dimethylphenol	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
4,6-Dinitro-2-methylphenol	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,4-Dinitrophenol	0.200 or MDL	<0.56 J	<0.93 J	<4.6 J	<0.64 J	<0.41 J	<0.48 J	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,4-Dinitrotoluene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,6-Dinitrotoluene [1]	1.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Diethylphthlate	7.1	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Dimethylphthlate	2.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Di-n-butyl phthalate	8.1	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Di-n-octyl phthalate	50.0	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41 J	<0.41 J	<0.38 J	<0.38 J	<0.44	<0.43
Fluoranthene	50.0	0.14 J	<0.93	<4.6	<0.64	<0.41	0.048 J	<0.37 J	<0.41 J	0.059 J	<0.44 J	<0.37 J	<0.37	0.089 J	0.52	0.52	0.058 J	0.058 J	<0.44	0.074 J
Fluorene	50.0	<0.56	0.13 J	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.046 J	0.051 J	<0.38	<0.38	<0.44	<0.43
Hexachlorobenzene [1]	0.41	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Hexachlorobutadiene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Hexachlorocyclopentadiene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Hexachloroethane	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Indeno(1,2,3-cd)pyrene	3.2	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41 J	<0.41 J	<0.38 J	<0.38 J	<0.44	<0.43
Isophorone [1]	4.4	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2-Methylnaphthalene	36.4	<0.56	0.56 J	0.59 JD	<0.64	<0.41	0.075 J	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	0.075 J	0.076 J	<0.44	<0.43

Table 7.5.3a - Semi-Volatile Organic Compounds for Soil
Test Borings and Geoprobes
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2622 & L2667

Parameter	NYSDEC TAGM	GP-1 (0-2')	GP-2 (2-4')	GP-2 (2-4') DL	GP-3 (0-4')	GP-4 (4-8')	GP-5 (2-4')	SB-1 (1-2')	SB-2 (0.5-2')	SB-3 (0.5-2')	SB-4 (0-2')	SB-5 (0-2')	SB-6A (0.5-2')	SB-7 (0.5-4')	SB-8 (0-2')	SB-8 (0-2') RE	SB-9 (0.5-4')	SB-9 (0.5-4') RE	SB-10 (4-8')	SB-11 (0.5-2')
	4046 Values	MW-12	MW-13	MW-13	MW-14	MW-15	MW-16	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-8	MW-9	MW-9	MW-10	MW-11
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Methylphenol	0.100 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
3+4-Methylphenols	NA	<1.1	0.35 J	<9.3	<1.3	<0.81	<0.95	<0.73 J	<0.82	<0.41 J	<0.44 J	<0.74 J	<0.75	<0.79	<0.82	<0.82	<0.77	<0.77	<0.89	<0.85
Naphthalene	13	0.85	11 E	15 D	0.076 J	<0.41	0.14 J	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	0.13 J	0.12 J	0.061 J	0.063 J	<0.44	0.11 J
Nitrobenzene	0.200 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2-Nitroaniline	0.430 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
3-Nitroaniline	0.500 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
4-Nitroaniline	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2-Nitrophenol	0.330 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
4-Nitrophenol	0.100 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
n-Nitroso-di-n-propylamine	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
n-Nitrosodiphenylamine	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,2'-oxybis(1-Chloropropane	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Pentachlorophenol [1]	1.0 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Phenanthrene	50.0	0.26 J	<0.93	<4.6	0.12 J	<0.41	0.055 J	<0.37 J	<0.41 J	0.041 J	<0.44 J	<0.37 J	<0.37	0.045 J	0.45	0.44	0.089 J	0.100 J	<0.44	0.052 J
Phenol	0.03 or MDL	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
Pyrene	50.0	0.10 J	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	0.042 J	<0.44 J	<0.37 J	<0.37	0.053 J	0.43	0.49	0.067 J	0.082 J	<0.44	0.053 J
2,4,5-Trichlorophenol	0.1	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
1,2,4-Trichlorobenzene	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
2,4,6-Trichlorophenol	NA	<0.56	<0.93	<4.6	<0.64	<0.41	<0.48	<0.37 J	<0.41 J	<0.41 J	<0.44 J	<0.37 J	<0.37	<0.40	<0.41	<0.41	<0.38	<0.38	<0.44	<0.43
l Non-Carcinogenic SVOCs	**500**	**1.47**	**12.04**	**15.59**	**0.196**	**ND**	**0.318**	**ND**	**ND**	**0.142**	**ND**	**ND**	**ND**	**0.231**	**1.203**	**2.17**	**0.35**	**0.423**	**ND**	**0.361**
Total Carcinogenic SVOCs	**50**	**0.52**	**ND**	**ND**	**ND**	**ND**	**ND**	**0.041**	**ND**	**ND**	**ND**	**ND**	**0.04**	**0.082**	**1.101**	**1.158**	**0.052**	**0.05**	**ND**	**0.168**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)
SVOCs analyzed using EPA Method 8270
MDL is Method Detection Limit
J indicates an estimated value
D indicates secondary dilution was performed on analyte

Table 7.5.4a - Pesticides and Polychlorinated Biphenyl Compounds for Soil
Test Borings and Geoprobes
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2622 & L2667

Parameter	NYSDEC TAGM 4046 Values mg/kg	GP-1 (0-2') MW-12 mg/kg	GP-2 (2-4') MW-13 mg/kg	GP-3 (0-4') MW-14 mg/kg	GP-4 (4-8') MW-15 mg/kg	GP-5 (2-4') MW-16 mg/kg	SB-1 (1-2') MW-1 mg/kg	SB-2 (0.5-2') MW-2 mg/kg	SB-3 (0.5-2') MW-3 mg/kg	SB-4 (0-2') MW-4 mg/kg	SB-5 (0-2') MW-5 mg/kg	SB-6A (0.5-2') MW-6 mg/kg	SB-7 (0.5-4') MW-7 mg/kg	SB-8 (0-2') MW-8 mg/kg	SB-9 (0.5-4') MW-9 mg/kg	SB-10 (4-8') MW-10 mg/kg	SB-11 (0.5-2') MW-11 mg/kg
Aldrin	0.041	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
alpha-BHC	0.11	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
beta-BHC	0.2	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
delta-BHC	0.3	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
gamma-BHC (Lindane)	0.06	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Chlordane	0.54	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.02	<0.021	<0.019	<0.022	<0.021
alpha-Chlordane	NA	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
gamma-chlordane	0.54	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
4,4'-DDD	2.9	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
4,4'-DDE	2.1	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
4,4'-DDT	2.1	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Dieldrin	0.044	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Endosulfan I	0.9	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Endosulfan II	0.9	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Endosulfan Sulfate	1.0	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Endrin	0.1	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Endrin aldehyde	NA	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Endrin keytone	NA	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Heptachlor	0.1	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Heptachlor epoxide	0.02	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Methoxychlor	NA	<0.0028	<0.0046	<0.0032	<0.002	<0.0024	<0.0018	<0.0021	<0.002	<0.0022	<0.0019	<0.0019	<0.002	<0.0021	<0.0019	<0.0022	<0.0021
Toxaphene	NA	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.02	<0.021	<0.019	<0.022	<0.021
Total Pesticides	**10**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Polychlorinated Biphenyls																	
Aroclor 1016	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Aroclor 1221	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Aroclor 1232	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Aroclor 1242	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Aroclor 1248	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Aroclor 1254	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Aroclor 1260	1.0 (1) / 10 (2)	<0.028	<0.046	<0.032	<0.020	<0.024	<0.018	<0.021	<0.020	<0.022	<0.019	<0.019	<0.020	<0.021	<0.019	<0.022	<0.021
Total PCBs	**1.0 (1)/10 (2)**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082.
NA is Not Applicable
ND is Not Detected
(1) Surface Standard
(2) Subsurface Standard

Table 7.5.5a - Metal Analytes for Soil
Test Borings and Geoprobes
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech Nos. L2622 & L2667

Parameter	NYSDEC TAGM 4046 Values	Eastern USA Background	GP-1 (0-2') MW-12	GP-2 (2-4') MW-13	GP-3 (0-4') MW-14	GP-4 (4-8') MW-15	GP-5 (2-4') MW-16	SB-1 (1-2') MW-1	SB-2 (0.5-2') MW-2	SB-3 (0.5-2') MW-3	SB-4 (0-2') MW-4	SB-5 (0-2') MW-5	SB-6A (0.5-2') MW-6	SB-7 (0.5-4') MW-7	SB-8 (0-2') MW-8	SB-9 (0.5-4') MW-9	SB-10 (4-8') MW-10	SB-11 (0.5-2') MW-11
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	1,930	2,420	2,990	5,100	3,220	2,970	3,750	5,500	7,730	2,340	4,740	8,050	3,240	2,140	6,170	2,920
Antimony	SB	NA	21.9	27.9	14.9	<0.64	4.0 B	<0.58	<0.65	<0.64	<0.69	<0.59	<0.60	<0.62	5.1 B	<0.61	1.1 B	6.8 B
Arsenic	7.5 or SB	3-12	1,150	4,910	16,400	32.5	182	12.1	20.8	30.8	45.2	7.9	13.4	7.9	1,090	114	100	145
Barium	300 or SB	15-600	70.0	109	82.2	12.7 B	70.7	17 B	21.4 B	30.0	36.7	22.8	15.1 B	29.2	69.5	59.8	29.9	75.8
Beryllium	0.16 or SB	0-1.75	0.29 B	0.61 B	0.51 B	0.26 B	0.66 B	0.21 B	0.33 B	0.35 B	0.44 B	0.24 B	0.34 B	0.35 B	0.26 B	0.35 B	0.37 B	0.34 B
Cadmium	10	0.1-1	0.07 B	<0.11	<0.08	<0.049	<0.06	<0.04	<0.05	<0.05	<0.053	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Calcium	SB	130-35,000	37,900	72,300	74,600	6,660	3,210	35,100	90,900	6,030	6,160	56,000	19,100	2,690	23,000	36,700	5,680	14,400
Chromium	50	1.5-40	306	371	65.6	237	24	10.1	15	25.3	31.6	62.2	5.3	15.9	311	71.6	192	185
Cobalt	30 or SB	2.5-60	2.6 B	8.3 B	3.4 B	2.9 B	2.6 B	4.5 B	4.2 B	4.8 B	5.2 B	3.5 B	4.4 B	4.7 B	2.6 B	2.6 B	3.9 B	4.2 B
Copper	25 or SB	1-50	57.2 E	35.8 E	13.6 E	2.5 BE	17.3 E	6.1 E	7.8 E	9.1 E	7.1 E	9.0 E	6.3	3.6	18.9	14.2	12.6	28.4
Cyanide	NA	NA	<0.85	<1.4	<0.97	<0.61	<0.71	<0.55	<0.62	<0.61	<0.66	<0.56	<0.56	<0.59	<0.62	<0.57	<0.67	<0.64
Iron	2,000 or SB	2,000-550,000	10,500	27,900	9,600	6,420	4,610	8,340	9,400	11,800	13,700	9,000	9,070	10,500	8,910	7,490	9,110	16,800
Lead	**	**	265	106	71.6	11.4	56	3.2	4.8	15.3	12.4	11.1	3.0	4.5	52.9	32.0	13.6	661
Magnesium	SB	100-5,000	1,150	716 B	3,080	2,870	288 B	6,010	6,960	2,300	2,210	11,200	2,100	1,540	1,420	11,000	1,100	2,050
Manganese	SB	50-5,000	245	309	124	35.2	18.4	126	269	207	256	178	173	102	107	98.7	76.9	128
Mercury	0.1	0.001-0.2	<0.06	0.22	<0.07	<0.04	<0.05	0.05	0.06	0.05	0.05	<0.04	0.04 E	<0.04	0.21 E	0.04 E	0.15 E	3.7
Nickel	13 or SB	0.5-25	4.3 B	23.6	6.3 B	4.2 B	5.8	6.8	7.8	7.0	6.6	7.1	6.4	4.7 B	4.5 B	6.0	6.6	11.3
Potassium	SB	8,500-43,000	245 B	603 B	270 B	208 B	403 B	493 B	653	375 B	286 B	584	340 BE	321 BE	235 BE	262 BE	357 BE	270 BE
Selenium	2 or SB	0.1-3.9	<0.63	1.6	0.92 B	<0.46	1.2	<0.42	<0.46	0.82	1.3	0.62	<0.43	<0.44	<0.46	<0.44	<0.5	0.85
Silver	SB	NA	0.30 B	0.41 B	0.28 B	<0.07	<0.09	<0.07	0.12 B	0.18 B	0.18 B	<0.07	<0.07	<0.07	<0.07	<0.7	0.08 B	<0.08
Sodium	SB	6,000-8,000	475 B	1,140 B	320 B	201 B	400 B	131 B	187 B	140 B	105 B	237 B	400 B	593	135 B	177 B	211 B	631 B
Thallium	SB	NA	<0.79	<1.3	1.5 B	<0.58	<0.68	<0.53	<0.58	<0.58	<0.634	<0.54	<0.54	<0.56	0.97 B	0.72 B	<0.63	<0.61
Vanadium	150 or SB	1-300	8.7	13.5	12.6	16.5	11.4	13.6	15.0	24.3	32.5	16.2	14.2	20.1	11.6	8.2	21.0	11.6
Zinc	20 or SB	9-50	83.1	292	37.8	38	119	18.4	26.0	46.5	35.5	30.7	22.0	42.7	70.3	26.1	31.9	128
% Solids	NA	NA	58.9	36	51.5	82	70.2	90.5	80.5	82.3	75.7	89.6	88.6	84.1	80.7	87.3	75.0	77.6

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

% Solids were analyzed using EPA Method 160.3

Cyanide was analyzed using EPA Method 335.2

SB is Site Background

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 value is estimated

NA is Not Applicable

SECTION 8
ANALYTICAL TABLES FOR SOIL TEST PITS

SECTION 8 – ANALYTICAL TABLES FOR SOIL, TEST PITS

Table 7.5.2b	Volatile Organic Compounds For Soil, Test Pits
Table 7.5.3b	Semi-volatile Organic Compounds For Soil, Test Pits
Table 7.5.4b	Pesticides and Polychlorinated Biphenyl Compounds For Soil, Test Pits
Table 7.5.5b	Metal Analytes For Soil, Test Pits

Table 7.5.2b -Volatile Organic Compounds for Soil
Test Pits
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	TP-1 Fill Composite	TP-6 Fill Composite	TP-9 (1-3')	TP-13 Composite	TP-17 (2-4')	TP-17 (2-4') DL
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acetone	0.2	<0.0076	0.046	0.03	<0.006	0.025	1.2 D
Benzene	0.06	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Bromodichloromethane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Bromoform	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56 J
Bromomethane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
2-Butanone	0.3	<0.0076	<0.0063	<0.006	<0.006	<0.011	0.64 D
Carbon Disulfide	2.7	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Carbon Tetrachloride	0.6	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Chlorobenzene	1.7	<0.0076	0.015	0.011	<0.006	<0.011	<0.56 J
Chloroethane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Chloroform	0.3	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56 J
Chloromethane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Dibromochloromethane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,1-Dichloroethane	0.2	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,2-Dichloroethane	0.1	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,2-Dichloroethene (cis)	0.25	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,2-Dichloroethene (trans)	0.3	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,1-Dichloroethene	0.4	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,2-Dichloropropane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,3-Dichloropropene (cis)	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,3-Dichloropropene (trans)	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Ethylbenzene	5.5	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56 J
2-Hexanone	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Methylene Chloride	0.1	<0.0076	<0.0063	<0.006	<0.006	0.014	0.46 D
4-Methyl-2-Pentanone	1.0	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Styrene	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56 J
Tetrachloroethene	1.4	<0.0076	<0.0063	<0.006	<0.006	0.010 J	<0.56
1,1,1-Trichloroethane	0.8	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,1,2-Trichloroethane	NA	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
1,1,2,2-Tetrachloroethane	0.6	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56 J
Toluene	1.5	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Trichloroethene	0.7	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
Vinyl Chloride	0.2	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56
m / p-Xylenes	1.2	<0.0076	<0.0063	<0.006	<0.006	<0.011	1.8 JD
o-Xylene	1.2	<0.0076	<0.0063	<0.006	<0.006	<0.011	<0.56 J
Total VOCs	**10**	**ND**	**0.061**	**0.041**	**ND**	**0.049**	**4.1 D**
Total TICs	***NA***	***ND***	***0.017***	***ND***	***ND***	***19.031 J***	***39.22 JD***

VOCs analyzed using EPA Method 8260
TIC is Tentatively Identified Compounds
J indicates an estimated value
D indicates secondary dilution was performed on analyte
NA is Not Applicable
ND is Not Detected

Table 7.5.3b - Semi-Volatile Organic Compounds for Soil
Test Pits
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	TP-1 Fill Composite	TP-6 Fill Composite	TP-9 (1-3')	TP-13 Composite	TP-17 (2-4')	TP-17 (2-4') DL
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Acenaphthene	50.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Acenaphthylene	41	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Anthracene	50.0	<0.51	0.046 J	<0.40	<0.40	<0.74	<7.4
Benzo(a)anthracene [1]	0.224 or MDL	<0.51	0.087 J	<0.40	<0.40	<0.74	<7.4
Benzo(a)pyrene [1]	0.061 or MDL	<0.51	0.075 J	<0.40	<0.40	0.089 J	<7.4
Benzo(b)fluoranthene [1]	0.224 or MDL	<0.51	0.085 J	<0.40	<0.40	0.097 J	<7.4
Benzo(g,h,i)perylene	50.0	<0.51	<0.42	<0.40	<0.40	<0.74 J	<7.4
Benzo(k)fluoranthene [1]	0.224 or MDL	<0.51	0.076 J	<0.40	<0.40	0.11 J	<7.4
bis(2-Chloroethoxy)methane	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
bis(2-Chloroethyl)ether	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
bis(2-ethylhexyl)phthalate [1]	50.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4-Bromophenyl-phenylether	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Butylbenzylphthalate	50.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Carbazole	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4-Chlorophenyl-phenylether	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4-Chloroaniline [1]	0.220 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4-Chloro-3-methylphenol	0.240 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2-Chloronaphthalene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2-Chlorophenol	0.8	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Chrysene	0.4	<0.51	0.098 J	<0.40	<0.40	0.11 J	<7.4
Dibenzo(a,h)anthracene [1]	0.014 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Dibenzofuran	6.2	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
1,2-Dichlorobenzene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
1,3-Dichlorobenzene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
1,4-Dichlorobenzene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
3,3'-Dichlorobenzidine [1]	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,4-Dichlorophenol	0.4	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,4-Dimethylphenol	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4,6-Dinitro-2-methylphenol	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,4-Dinitrophenol	0.200 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,4-Dinitrotoluene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,6-Dinitrotoluene [1]	1.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Diethylphthlate	7.1	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Dimethylphthlate	2.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Di-n-buyl phthalate	8.1	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Di-n-octyl phthalate	50.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Fluoranthene	50.0	<0.51	0.21 J	0.04 J	<0.40	0.14 J	<7.4
Fluorene	50.0	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Hexachlorobenzene [1]	0.41	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Hexachlorobutadiene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4

Table 7.5.3b - Semi-Volatile Organic Compounds for Soil
Test Pits
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	TP-1 Fill Composite	TP-6 Fill Composite	TP-9 (1-3')	TP-13 Composite	TP-17 (2-4')	TP-17 (2-4') DL
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Hexachlorocyclopentadiene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Hexachloroethane	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Indeno(1,2,3-cd)pyrene	3.2	<0.51	<0.42	<0.40	<0.40	<0.74 J	<7.4
Isophorone [1]	4.4	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2-Methylnaphthalene	36.4	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2-Methylphenol	0.100 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
3+4-Methylphenols	NA	<1.00	<0.84	<0.79	<0.80	<1.50	<15
Naphthalene	13	<0.51	0.062 J	0.064 J	<0.40	0.40 J	<7.4
Nitrobenzene	0.200 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2-Nitroaniline	0.430 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
3-Nitroaniline	0.500 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4-Nitroaniline	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2-Nitrophenol	0.330 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
4-Nitrophenol	0.100 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
n-Nitroso-di-n-propylamine	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
n-Nitrosodiphenylamine	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,2'-oxybis(1-Chloropropane)	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Pentachlorophenol [1]	1.0 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Phenanthrene	50.0	<0.51	0.17 J	<0.40	<0.40	0.11 J	<7.4
Phenol	0.03 or MDL	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
Pyrene	50.0	<0.51	0.14 J	<0.40	<0.40	0.13 J	<7.4
1,2,4-Trichlorobenzene	NA	<0.51	<0.42	<0.40	<0.40	<0.74	<7.4
2,4,5-Trichlorophenol	0.1	<0.51	<0.42	<0.40	<0.40	0.48 J	<7.4
2,4,6-Trichlorophenol	NA	<0.51	<0.42	<0.40	<0.40	13 E	28 D
Total Non-Carcinogenic SVOCs	**500**	**ND**	**0.68**	**0.104**	**ND**	**14.37**	**28 D**
Total Carcinogenic SVOCs	**50**	**ND**	**0.323**	**ND**	**ND**	**0.296**	**ND**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

SVOCs analyzed using EPA Method 8270

MDL is Method Detection Limit

J indicates an estimated value

E indicates the analyte's concentration exceeds the calibrated range of the GC / MS instrument

D indicates secondary dilution was performed on analyte

NA is Not Applicable

ND is Not Detected

Table 7.5.4b - Pesticides and Polychlorinated Biphenyl Compounds for Soil Test Pits
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	TP-1 Fill Composite	TP-6 Fill Composite	TP-9 (1-3')	TP-13 Composite	TP-17 (2-4')
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aldrin	0.041	<0.0025	<0.0021	<0.002	<0.002	<0.0037
alpha-BHC	0.11	<0.0025	<0.0021	<0.002	<0.002	<0.0037
beta-BHC	0.2	<0.0025	<0.0021	<0.002	<0.002	<0.0037
delta-BHC	0.3	<0.0025	<0.0021	<0.002	<0.002	<0.0037
gamma-BHC (Lindane)	0.06	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Chlordane	0.54	<0.0025	<0.0021	<0.002	<0.002	<0.0037
alpha-Chlordane	NA	<0.0025	<0.0021	<0.002	<0.002	<0.0037
gamma-chlordane	0.54	<0.0025	<0.0021	<0.002	<0.002	<0.0037
4,4'-DDD	2.9	<0.0025	<0.0021	<0.002	<0.002	<0.0037
4,4'-DDE	2.1	<0.0025	<0.0021	<0.002	<0.002	<0.0037
4,4'-DDT	2.1	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Dieldrin	0.044	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Endosulfan I	0.9	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Endosulfan II	0.9	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Endosulfan Sulfate	1.0	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Endrin	0.1	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Endrin aldehyde	NA	<0.025	<0.021	<0.02	<0.02	<0.037
Endrin keytone	NA	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Heptachlor	0.1	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Heptachlor epoxide	0.02	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Methoxychlor	*	<0.0025	<0.0021	<0.002	<0.002	<0.0037
Toxaphene	NA	<0.025	<0.021	<0.02	<0.02	<0.037
Total Pesticides	**10**	**ND**	**ND**	**ND**	**ND**	**ND**
Polychlorinated Biphenyls						
Aroclor 1016	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Aroclor 1221	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Aroclor 1232	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Aroclor 1242	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Aroclor 1248	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Aroclor 1254	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Aroclor 1260	1.0 (1) / 10 (2)	<0.025	<0.021	<0.02	<0.02	<0.037
Total PCBs	**1.0 (1)/10 (2)**	**ND**	**ND**	**ND**	**ND**	**ND**

Pesticides and PCBs analyzed using EPA Method 8082
NA is Not Applicable
ND is Not Detected
(1) Surface Standard
(2) Subsurface Standard

Table 7.5.5b - Metal Analytes for Soil
Test Pits
Risedorph Tannery - Project #00.6630
Validated Analytical Results
Chemtech No. L2524

Parameter	NYSDEC TAGM 4046 Values	USEPA Eastern USA Bkgd.	TP-1 Fill Composite	TP-6 Fill Composite	TP-9 (1-3')	TP-13 Composite	TP-17 (2-4')
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	5,860	5,390	4,810	6,420	1,620
Antimony	SB	NA	<0.78	1.9 B	1.2 B	1.0 B	5.9 B
Arsenic	7.5 or SB	3-12	79.7	159	172	122	422
Barium	300 or SB	15-600	26.8 B	43.9	41.7	35	46.9
Beryllium	0.16 or SB	0-1.75	0.32 B	0.33 B	0.33 B	0.37 B	0.55 B
Cadmium	10	0.1-1	<0.06	<0.05	<0.05	<0.05	<0.09
Calcium	SB	130-35,000	18,000	10,900	12,100	6,500	2,470
Chromium	50	1.5-40	138	259	189	124	148
Cobalt	30 or SB	2.5-60	4.0 B	4.2 B	4.1 B	4.6 B	3.0 B
Copper	25 or SB	1-50	8.7	12.2	13.8	10.5	23.7
Cyanide	NA	NA	<0.76	<0.64	<0.59	<0.60	<1.1
Iron	2,000 or SB	2,000-550,000	12,700	12,600	11,900	13,300	5,910
Lead	**	**	18.8	32.2	31	23.2	73.9
Magnesium	SB	100-5,000	2,420	1,550	1,180	1,460	172 B
Manganese	SB	50-5,000	164	196	260	201	30.4
Mercury	0.1	0.001-0.2	0.13 E	0.29	0.16 E	0.17 E	0.67
Nickel	13 or SB	0.5-25	6.7	8.4	7.0	6.9	5.9 B
Potassium	SB	8,500-43,000	345 BE	322 BE	331 BE	400 BE	108 BE
Selenium	2 or SB	0.1-3.9	0.73 B	<0.47	0.52 B	<0.46	7.7
Silver	SB	NA	<0.09	<0.08	<0.07	<0.07	<0.13
Sodium	SB	6,000-8,000	118 B	158 B	92 B	108 B	386 B
Thallium	SB	NA	<0.71	<0.60	<0.56	<0.58	<1.1
Vanadium	150 or SB	1-300	28.6	39.2	27.1	26.6	12.8
Zinc	20 or SB	9-50	43.1	55.1	58.2	114	101
% Solids	NA	NA	65.9	78.6	84.1	83.4	44.5

** Background levels for lead vary widely. Avg. bckgd levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7/14/94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

SB is Site Background

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 value is estimated

NA is Not Applicable

ND is Not Detected

SECTION 9
ANALYTICAL TABLES FOR SUPPLEMENTAL SUBSURFACE SOIL SOIL PROBES

SECTION 9 – ANALYTICAL TABLES FOR SUPPLEMENTAL SUBSURFACE SOIL, SOIL PROBES

Table 7.6.2a Metal Analytes For Supplemental Subsurface Soil From Soil Probes

Table 7.6.2a - Metal Analytes for Soil From Soil Probes
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Results
Chemtech Nos. P1974, P1975, P1976, P1990, P1992, P2006, P2007, P2039, P2040, P2073, P2074, P2075 and P2680

Parameter	NYSDEC TAGM 4046 Values	Eastern USA Background	SP-1			SP-2		SP-3			SP-4			SP-5			SP-6		
			0-4'	4-8'	4-8' (FD#2)	0-4'	4-8'	0-4'	4-8'	8-12'	0-4'	4-8'	8-12'	0-4'	4-8'	8-12'	0-4'	4-8'	8-12'
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	8,480	4,920	6,500	4,980	6,240	5,330	3,520	NA	2,630	4,790	NA	8,740	8,460	NA	5,580	5,370	NA
Antimony	SB	NA	< 0.60	< 0.63	< 0.72	< 0.61	< 0.62	8.5 B	2.7 B	NA	< 0.58	< 0.61	NA	< 0.60	< 0.69	NA	17.9	12.2	NA
Arsenic	7.5 or SB	3-12	49.6	1.1 B J	68.6 J	31.5	2.1	558	374	1.2	176	65.9	1.1	233	145	2.8	820	77.9	20.2
Barium	300 or SB	15-600	54.2	28	43.8	44.1	24.1 B	53.2	32.9	NA	29	25.9	NA	55.8	40.4	NA	133	42.5	NA
Beryllium	0.16 or SB	0-1.75	0.46 B	0.29 B	0.36 B	0.35 B	0.32 B	0.36 B	0.31 B	NA	0.27 B	0.32 B	NA	0.4 B	0.49 B	NA	0.46 B	0.35 B	NA
Cadmium	10	0.1-1	< 0.2	< 0.22	< 0.25	< 0.21	< 0.21	< 0.09 E	0.36 B E	NA	< 0.20	0.64	NA	< 0.20	0.24	NA	< 0.22	< 0.25	NA
Calcium	SB	130-35,000	22,900	8,660	7,770	13,900	4,540	13,200	19,200	NA	27,000	3,110	NA	9,780	14,500	NA	25,600	10,200	NA
Chromium	50	1.5-40	56.1	7.3 J	30.8 J	361	9.5	384	89.1	7.3	1,430	7.5	NA	40.7	13	NA	296	31.4	NA
Cobalt	30 or SB	2.5-60	5.4 B	3.8 B	3.3 B	4.6 B	3.6 B	2.8 B	2.9 B	NA	3.1 B	3.5 B	NA	4.4 B	5 B	NA	4.3 B	3.5 B	NA
Copper	25 or SB	1-50	9.8	7.3 J	34.4 J	26.4	7	11.6	8.7	NA	16.3	14.5	NA	7.9	8.2	NA	42.7	36.9	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	2,000 or SB	2,000-550,000	15,700	10,200	13,500	19,300	14,000	10,400	8,900	NA	8,340	13,400	NA	13,200	16,100	NA	18,400	16,200	NA
Lead	**	**	16.8	2.7 J	8.1 J	14.7	1.9	12.4 E	6 E	NA	11.9	1.7	NA	7.8	3.4	NA	102.0	1,280	NA
Magnesium	SB	100-5,000	9,680	1,670	1,830	1,360	1,210	1,330	1,210	NA	2,340	979	NA	2,290	2,900	NA	3,890	2,530	NA
Manganese	SB	50-5,000	153	133	120	144	155	184	227	NA	115	81.5	NA	173	265	NA	155	125	NA
Mercury	0.1	0.001-0.2	0.04	< 0.01 J	0.04 J	0.02 J	< 0.01 J	0.19	0.04	NA	0.04	< 0.01	NA	0.03 J	0.03 J	NA	0.23 J	0.04 J	NA
Nickel	13 or SB	0.5-25	6.8	4.9 B	6.5	10	4.7 B	6.1	5.2 B	NA	6.3	5	NA	6.4	6.6	NA	9.6	5.4 B	NA
Potassium	SB	8,500-43,000	884 E J	468 B E J	424 B E J	515 B E J	520 B E J	325 J	297 B J	NA	277 B E J	347 B J E	NA	757 E J	975 J E	NA	414 B J E	341 B J E	NA
Selenium	2 or SB	0.1-3.9	< 0.48	< 0.51	< 0.58	< 0.49	< 0.50	< 0.49	< 0.46	NA	< 0.47	< 0.49	NA	< 0.48	< 0.56	NA	0.65	< 0.58	NA
Silver	SB	NA	< 0.07	< 0.08	0.1 B	0.11 B	0.15 B	< 0.23	< 0.22	NA	0.22 B	0.51 B	NA	0.11 B	<0.08	NA	< 0.08	0.32 B	NA
Sodium	SB	6,000-8,000	976	765	759	253 B	337 B	464 B	383 B	NA	252 B	279 B	NA	1,290	2,960	NA	601 B	696 B	NA
Thallium	SB	NA	< 0.60	< 0.63	< 0.72	< 0.61	< 0.62	< 0.82	< 0.78	NA	< 0.58	< 0.61	NA	< 0.60	< 0.69	NA	< 0.65	< 0.72	NA
Vanadium	150 or SB	1-300	31.6	19.3	15.6	21.4	30.1	17.2	13.6	NA	14.8	20.2	NA	26.8	30.3	NA	20.5	17.2	NA
Zinc	20 or SB	9-50	56.6	25.6	159	162	24.2	44.6 E	29.6 E	NA	29.8	28.1	NA	33.3	31.7	NA	217	164	NA
% Solids	NA	NA	84	79	67	82	80	69.3	73.4	NA	83	81	NA	82	72	NA	76	69	NA

(1) Analytical Results from December 2000. All other data is from March / April 2002

** Background levels for lead vary widely. Average background levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7 / 14 / 94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

% Solids were analyzed using EPA Method 160.3

Cyanide was analyzed using EPA Method 335.2

SB is Site Background

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 estimated because of the presence of interference

NA is Not Applicable

J indicates an estimated value

N indicates spiked sample recovery not within control limits

Table 7.6.2a - Metal Analytes for Soil From Soil Probes
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Results
Chemtech Nos. P1974, P1975, P1976, P1990, P1992, P2006, P2007, P2039, P2040, P2073, P2074, P2075 and P2680

Parameter	NYSDEC TAGM 4046 Values	Eastern USA Background	SP-7			SP-8		SP-9			SP-10			SP-11		SP-12			SP-13			
			0-4'	4-8'	8-12'	0-4'	4-8'	0-4'	4-8'	8-12'	0-4'	4-8'	8-12'	0-4'	4-8'	0-4'	4-8'	8-12'	0-4'	4-8'	4-8' (FD#3)	8-12'
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	4,700	5,360	NA	1,630	3,560	4,390	4,480	NA	4,530	7,380	NA	7,300	4,150	2,930	5,550	NA	5100 N	5760 N	4560 N	NA
Antimony	SB	NA	12	8.6 B	NA	< 0.60	< 0.60	1.2 B	1.5 B	NA	2.2 B	< 0.7	NA	7.1 B	< 0.61	5.8 B	1.7 B	NA	3.1 B	< 0.68	< 0.68	NA
Arsenic	7.5 or SB	3-12	1,720	1,280	3	19.3	11.5	26	371	4	45	21.6	1.1	36.1	5.7	26.9	6.9	NA	345	83.6	140	10.4
Barium	300 or SB	15-600	64.5	41.2	NA	14.6 B	19.7 B	43.2	28	NA	57.5	45.1	NA	59.9	25.7	40.6	23.9 B	NA	85.2	37.8	31.4	NA
Beryllium	0.16 or SB	0-1.75	0.33 B	0.34 B	NA	0.15 B	0.23 B	0.40 B	0.33 B	NA	0.34 B	0.42 B	NA	0.70 B	0.3 B	0.31 B	0.44 B	NA	0.46 B	0.34 B	0.32 B	NA
Cadmium	10	0.1-1	0.19 B	0.12 B	NA	< 0.20	< 0.20	0.09 B	0.17 B	NA	< 0.21	< 0.24	NA	0.33 B	< 0.21	0.37 B	0.11 B	NA	< 0.22	< 0.23	< 0.23	NA
Calcium	SB	130-35,000	46,400	21,000	NA	14,600	9,030	8,950	12,600	NA	15,900	4,010	NA	9,690	11,700	7,050	3,460	NA	15,400	8,720	9,810	NA
Chromium	50	1.5-40	427	420	8.5	391	17.7	55.5	13.3	NA	162	48.1	NA	107	8	221	137	4.9	315	32.7	58	NA
Cobalt	30 or SB	2.5-60	2.9 B	3.0 B	NA	1.9 B	2.3 B	3.4 B	3.5 B	NA	3.3	3.9 B	NA	3.4 B	3.6 B	2.5 B	3.3 B	NA	3.6 B	3.4 B	2.6 B	NA
Copper	25 or SB	1-50	18.7 E J	13.9 E J	NA	5.1	4.1	11.5 EJ	8.8 EJ	NA	31.8	12.3	NA	28	9.7	25.9	8.6	NA	52.6	7.6	9	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	2,000 or SB	2,000-550,000	7,680	9,960	NA	5,400	7,240	8,310	9,010	NA	13,000	12,800	NA	10,100	10,400	8,190	9,030	NA	7,880	13,600	8,510	NA
Lead	**	**	59.6	35.3	NA	2.6	1.8	20.5	12.4	NA	35.2	17.5	NA	68.5	2.7	63	101	NA	52.7	5.6	6.7	NA
Magnesium	SB	100-5,000	2,330	2,470	NA	1,860	1,270	2,080	1,450	NA	3,610	1490	NA	1570	4,310	1,820	1,540	NA	1,110	1,340	1,210	NA
Manganese	SB	50-5,000	127	154	NA	47.9	48.7	101	108	NA	176	156	NA	74.9	86.9	35.8	38.8	NA	49.9	1310 J	102 JE	NA
Mercury	0.1	0.001-0.2	0.11	0.42	NA	< 0.01	< 0.01	< 0.01	0.04	NA	0.1	0.09	NA	0.16	0.02	0.13 NJ	0.03	NA	0.02	0.04	0.04	NA
Nickel	13 or SB	0.5-25	6	5.2 B	NA	4.5 B	3.3 B	4.7 B	6.3	NA	9.1	6.2	NA	46.3	4.3 B	5.9	5.2 NJ	NA	8.1	4.1 B	4.3 B	NA
Potassium	SB	8,500-43,000	704	552 B	NA	186 BEJ	204 BEJ	639	477 B	NA	345 BEJ	288 BEJ	NA	233 BEJ	543 BJ	261 B	217 B	NA	606 BJ	371 BJ	339 BJ	NA
Selenium	2 or SB	0.1-3.9	0.82	0.57 B	NA	< 0.48	<0.48	< 0.41	0.82	NA	< 0.49	< 0.56	NA	1.4	< 0.49	0.75	< 0.42	NA	1.5	< 0.55	< 0.54	NA
Silver	SB	NA	< 0.22	< 0.23	NA	0.18 B	<0.07	< 0.19	< 0.21	NA	0.29 B	0.24 B	NA	0.33 B	< 0.07	< 0.21	< 0.20	NA	0.42 B	0.38 B	0.15 B	NA
Sodium	SB	6,000-8,000	1,490	1,210	NA	226 B	348 B	2,390	2,040	NA	333 B	226 B	NA	510 B	315 B	190 B	584 B	NA	374 B	417 B	328 B	NA
Thallium	SB	NA	< 0.78	< 0.82	NA	< 0.60	< 0.60	< 0.69	< 0.73	NA	< 0.61	< 0.7	NA	< 0.77	< 0.61	< 0.73	< 0.70	NA	< 0.66	< 0.68	< 0.68	NA
Vanadium	150 or SB	1-300	11.9	16.7	NA	6.6	10.7	9.3	17.7	NA	28.8	25.7	NA	48.3	19.4	9.4	15.8	NA	19.2	17.2	14.2	NA
Zinc	20 or SB	9-50	53	42.9	NA	17.4	16.8	29	31.8	NA	98.9	62.7	NA	189	27.5	116	58	NA	72.2	32.8	28.7	NA
% Solids	NA	NA	73	69.1	NA	84	84	82.8	77.8	NA	81	71	NA	64	81	77.8	81.4	NA	75	71	73	NA

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** Background levels for lead vary widely. Average background levels in metropolitan areas near highways are much higher and typically range from 200-500 ppm. The USEPA's Interim Lead Hazard Guidance (7 / 14 / 94) establishes a residential screening level of 400 ppm.

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

% Solids were analyzed using EPA Method 160.3

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Risedorph Tannery - Project #00.6630
Unvalidated Analytical Results
Chemtech Nos. P1974, P1975, P1976, P1990, P1992, P2006, P2007, P2039, P2040, P2073, P2074, P2075 and P2680

Parameter	NYSDEC TAGM	Eastern USA	SP-14		SP-15		SP-16		SP-17		SP-18			SP-19		
	4046 Values	Background	0-4'	4-8'	0-4'	4-8'	0-4'	4-8'	0-4'	4-8'	0-4'	4-8'	8-12'	0-4'	4-8'	8-12'
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	5900 N	4640 N	6,210	8,430	4,930	5,430	5,070	4,210	4,300	4,860	NA	2,810	5,450	NA
Antimony	SB	NA	0.75 B	< 0.66	8.5	1.0 B	1.9 B	0.79 B	2.5 B	1.0 B	21.2	3.7 B	NA	38	2.2 B	NA
Arsenic	7.5 or SB	3-12	14	1.7	10	5.4	8.6	3.1	23.6	10.2	270	205	1.7	2,560	224	20.2
Barium	300 or SB	15-600	56.7	38	36.6	56.1	29.2	37	62.4	19.1 B	56.4	49.2	NA	60.8	44	NA
Beryllium	0.16 or SB	0-1.75	0.43 B	0.32 B	0.40 B	0.56 B	0.34 B	0.38 B	0.29 B	0.26 B	0.28 B	0.59 B	NA	0.32 B	0.34 B	NA
Cadmium	10	0.1-1	< 0.41	< 0.22	0.16 B	0.10 B	< 0.08	0.11 B	0.09 B	< 0.07	0.25 B	< 0.09	NA	4.1	< 0.08	NA
Calcium	SB	130-35,000	3,740	18,100	13,200	20,800	11,100	11,700	39,500	7,000	6,650	4,130	NA	45,400	12,100	NA
Chromium	50	1.5-40	13.7	7.5	758	14.1	99.7	9.3	248	13.4	2,970	384	5.5	2,560	107	7.3
Cobalt	30 or SB	2.5-60	3.7 B	3.2 B	3.3 B	6.4 B	4.1 B	3.4 B	2.4 B	2.2 B	3.1 B	3.1 B	NA	3.9 B	3.2 B	NA
Copper	25 or SB	1-50	9.7	6.9	11.8	11.5	14.4	6.9	8	6.5	16.1	14.9	NA	71.2	8	NA
Cyanide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	2,000 or SB	2,000-550,000	11,300	9,860	13,900	17,700	9,490	9,980	6,900	8,230	9,060	11,600	NA	12,400	10,800	NA
Lead	**	**	12.5	4.2	20.5	5.4	55.3	5	14.7	32.7	48.1	26.5	NA	62.1	10	NA
Magnesium	SB	100-5,000	1,300	6,100	3,270	6,880	1,150	2,860	3,160	1,210	1,090	1,140	NA	2,470	2,950	NA
Manganese	SB	50-5,000	288 E	160 E	149	212	64.3	156	94.5	83.5	53.8	65	NA	115	164	NA
Mercury	0.1	0.001-0.2	0.07	0.02	3.4 NJ	0.02 NJ	0.09 NJ	0.02 NJ	0.04 NJ	0.03 NJ	0.04 NJ	0.04 NJ	NA	0.12 NJ	0.03 NJ	NA
Nickel	13 or SB	0.5-25	5.4 B	4.3 B	5.3	8.6	9	4.4 B	4.9 B	3.4 B	7.3	5.3 B	NA	8.3	5.2 B	NA
Potassium	SB	8,500-43,000	263 BJ	670 J	312 B	1,460	463 B	407 B	668	384 B	347 B	305 B	NA	390 B	490 B	NA
Selenium	2 or SB	0.1-3.9	< 0.55	< 0.53	< 0.44	< 0.48	1.7	0.60 B	0.57 B	< 0.41	0.75	< 0.51	NA	< 0.59	< 0.46	NA
Silver	SB	NA	0.65 B	< 0.08	< 0.21	0.24 B	< 0.21	0.36 B	< 0.20	< 0.19	0.37 B	< 0.24	NA	0.46 B	< 0.22	NA
Sodium	SB	6,000-8,000	269 B	248 B	322 B	752	392 B	407 B	270 B	193 B	340 B	342 B	NA	925	940	NA
Thallium	SB	NA	< 0.68	< 0.66	< 0.73	< 0.80	< 0.76	< 0.76	< 0.72	< 0.68	< 0.84	< 0.86	NA	< 0.98	< 0.78	NA
Vanadium	150 or SB	1-300	19.1	18.5	16.6	29.3	14.7	18.9	10.5	12.4	9.3	16.8	NA	3.4 B	20	NA
Zinc	20 or SB	9-50	41.2	24.6	53.3	46.7	37.5	31.5	26.8	23.7	66.2	72.3	NA	1,200	34.3	NA
% Solids	NA	NA	71	75	77.9	70.9	75.3	75.4	79	83.9	68	66.5	NA	58.1	73.2	NA

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Chemtech Nos. P1974, P1975, P1976, P1990, P1992, P2006, P2007, P2039, P2040, P2073, P2074, P2075 and P2680

Parameter	NYSDEC TAGM	Eastern USA	MW-1/SP-1A		MW-5/SP-5A		MW-6/SP-6A		MW-7/SP-7A		MW-8/SP-8A		MW-9/SP-9A		MW-10/SP-10A		MW-11/SP-11A		
	4046 Values	Background	1-2'[1]	4-8'	0-2'[1]	4-8'	0.5-2'[1]	4-8'	0.5-2'[1]	4-8'	0-2'[1]	4-8'	0.5-4'[1]	4-8'	4-8'[1]	8-12'	0.5-4'[1]	4-8'	8-12'
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	2,970	5,120	2,340	3,500	4,740	5,400	8,050	6,130	3,240	6,680	2,140	4,510	6,170	4,560	2,920	6,970	NA
Antimony	SB	NA	< 0.58	< 0.56	< 0.59	0.91 B	< 0.60	1.0 B	< 0.62	1.2 B	5.1 B	< 0.62	< 0.61	< 0.55	1.1 B	< 0.61	6.8 B	3.9 B	NA
Arsenic	7.5 or SB	3-12	12.1	0.91 B	7.9	6.8	13.4	12.1	7.9	8.6	1,090	2.5	114	5.3	100	8.6	145	85	32.2
Barium	300 or SB	15-600	17 B	26	22.8	19.2 B	15.1 B	33.2	29.2	97.4	69.5	33	59.8	42.6	29.9	21.7 B	75.8	53.1	NA
Beryllium	0.16 or SB	0-1.75	0.21 B	0.29 B	0.24 B	0.29 B	0.34 B	0.36 B	0.35 B	0.32 B	0.26 B	0.40 B	0.35 B	0.30 B	0.37 B	0.31 B	0.34 B	0.56 B	NA
Cadmium	10	0.1-1	< 0.04	< 0.19	< 0.05	0.18 BE	< 0.05	0.17 BE	<0.05	0.34 B E	< 0.05	< 0.21	< 0.05	< 0.19	< 0.05	< 0.21	<0.05	1.4 E	NA
Calcium	SB	130-35,000	35,100	9,120	56,000	6,260	19,100	16,200	2,690	6,240	23,000	3,650	36,700	7,930	5,680	21,100	14,400	12,600	NA
Chromium	50	1.5-40	10.1	7	62.2	5.6	5.3	9.8	15.9	30.7	311	8.8	71.6	8.2	192	8.9	185	46.4	NA
Cobalt	30 or SB	2.5-60	4.5 B	4 B	3.5 B	2.2 B	4.4 B	4.3 B	4.7 B	3.0 B	2.6 B	4.6 B	2.6 B	3 B	3.9 B	4 B	4.2 B	3.9 B	NA
Copper	25 or SB	1-50	6.1 E	6.5	9.0 E	7.1	6.3	8.3	3.6	7.8	18.9	9	14.2	19.4	12.6	8.2	28.4	28.6	NA
Cyanide	NA	NA	< 0.55	NA	< 0.56	NA	<0.56	NA	< 0.59	NA	< 0.62	NA	< 0.57	NA	< 0.67	NA	< 0.64	NA	NA
Iron	2,000 or SB	2,000-550,000	8,340	9,860	9,000	8,300	9,070	12,000	10,500	8,740	8,910	14,600	7,490	8,050	9,110	10,300	16,800	19,300	NA
Lead	**	**	3.2	2.1	11.1	3.3 E	3.0	3.8 E	4.5	5.9 E	52.9	2.0	32.0	49.2	13.6	2.1	661	17.6 E	NA
Magnesium	SB	100-5,000	6,010	1,780	11,200	1,840	2,100	3,330	1,540	2,560	1,420	1,590	11,000	1,110	1,100	6,300	2,050	3,570	NA
Manganese	SB	50-5,000	126	148	178	74	173	199	102	66.2	107	123	98.7	132	76.9	159	128	264	NA
Mercury	0.1	0.001-0.2	0.05	0.02 J	< 0.04	0.02	0.04 E	0.01	< 0.04	< 0.01	0.21 E	< 0.01	0.04 E	0.14	0.15 E	< 0.01	3.7	0.04	NA
Nickel	13 or SB	0.5-25	6.8	5.1	7.1	5.0 B	6.4	6.2	4.7 B	7.5	4.5 B	6.0	6.0	5.6	6.6	4.8 B	11.3	11.6	NA
Potassium	SB	8,500-43,000	493 B	501 BEJ	584	231 BJ	340 BE	690 J	321 BE	495 B J	235 BE	573 BEJ	262 BE	355 BEJ	357 BE	806 EJ	270 BE	324 BJ	NA
Selenium	2 or SB	0.1-3.9	< 0.42	< 0.45	0.62	< 0.45	< 0.43	< 0.43	< 0.44	< 0.44	< 0.46	< 0.50	< 0.44	< 0.44	< 0.50	< 0.49	0.85	1.5	NA
Silver	SB	NA	< 0.07	< 0.07	< 0.07	< 0.21	< 0.07	< 0.20	< 0.07	< 0.21	< 0.07	0.28 B	< 0.7	0.11 B	0.08 B	0.15 B	< 0.08	< 0.30	NA
Sodium	SB	6,000-8,000	131 B	319 B	237 B	257 B	400 B	639	593	672	135 B	314 B	177 B	480 B	211 B	500 B	631 B	1520	NA
Thallium	SB	NA	< 0.53	< 0.56	< 0.54	< 0.75	< 0.54	< 0.71	< 0.56	< 0.73	0.97 B	< 0.62	0.72 B	< 0.55	< 0.63	< 0.61	< 0.61	< 1.1	NA
Vanadium	150 or SB	1-300	13.6	19.9	16.2	10.4	14.2	22.6	20.1	17.6	11.6	27.2	8.2	13.1	21.0	21.4	11.6	19.9	NA
Zinc	20 or SB	9-50	18.4	23.1	30.7	16.5 E	22.0	29.2 E	42.7	66.4 E	70.3	33.1	26.1	61	31.9	25.4	128	93.5 E	NA
% Solids	NA	NA	90.5	82	89.6	75.7	88.6	79.9	84.1	77.6	80.7	80	87.3	89	75	80	77.6	53.6	NA

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Parameter	NYSDEC TAGM	Eastern USA	MW-12/SP-12A			MW-13/SP-13A			MW-14/SP-14A			MW-15/SP-15A				MW-16/SP-16A		
	4046 Values	Background	0-4'[(1)]	4-8'	8-12'	2-4'[(1)]	4-8'	8-12'	0-4'[(1)]	4-8'	8-12'	0-4'[(1)]	4-8'	4-8' (FD#1)	8-12'	0-4'[(1)]	4-8'	8-12'
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Aluminum	SB	33,000	1,930	4,110	NA	2,420	4,850	NA	2,990	6,100	NA	5,100	7,250	5,120	NA	3,220	5,990	NA
Antimony	SB	NA	21.9	1.6 B	NA	27.9	12.2	NA	14.9	1.5 B	NA	< 0.64	1.6 B	2.2 B	NA	4.0 B	1.1 B	NA
Arsenic	7.5 or SB	3-12	1,150	33.4	1.3	4,910	386	47.6	16,400	61.3	49.1	32.5	50.2 J	211 J	10.9	182	155	72.3
Barium	300 or SB	15-600	70.0	21.4 B	NA	109	33.2	NA	82.2	46.6	NA	12.7 B	31.1	60.2	NA	70.7	35.7	NA
Beryllium	0.16 or SB	0-1.75	0.29 B	0.28 B	NA	0.61 B	0.43 B	NA	0.51 B	0.37 B	NA	0.26 B	0.43 B	0.37 B	NA	0.66 B	0.33 B	NA
Cadmium	10	0.1-1	0.07 B	0.24 B	NA	< 0.11	0.31 B	NA	< 0.08	< 0.09	NA	< 0.049	< 0.08	< 0.09	NA	< 0.06	< 0.09	NA
Calcium	SB	130-35,000	37,900	6,770	NA	72,300	13,400	NA	74,600	5,650	NA	6,660	10,600	4,520	NA	3,210	8,650	NA
Chromium	50	1.5-40	306	12.8	NA	371	32.7	NA	65.6	21.2	NA	237	183	225	32.2	24	26.8	NA
Cobalt	30 or SB	2.5-60	2.6 B	2.7 B	NA	8.3 B	4.0 B	NA	3.4 B	2.8 B	NA	2.9 B	4.7 B	3.1 B	NA	2.6 B	3.2 B	NA
Copper	25 or SB	1-50	57.2 E	9 E J	NA	35.8 E	12.9 E J	NA	13.6 E	7.9	NA	2.5 BE	8.5	13.2	NA	17.3 E	8.1	NA
Cyanide	NA	NA	< 0.85	NA	NA	< 1.4	NA	NA	< 0.97	NA	NA	< 0.61	NA	NA	NA	< 0.71	NA	NA
Iron	2,000 or SB	2,000-550,000	10,500	6,930	NA	27,900	15,200	NA	9,600	8,840	NA	6,420	13,500	9,980	NA	4,610	10,700	NA
Lead	**	**	265	4.9	NA	106	8.9	NA	71.6	5.9	NA	11.4	26.3	28.1	NA	56	10.4	NA
Magnesium	SB	100-5,000	1,150	1,570	NA	716 B	2,540	NA	3,080	1,410	NA	2,870	3820 J	1130 J	NA	288 B	1,370	NA
Manganese	SB	50-5,000	245	62.3	NA	309	109	NA	124	66.6	NA	35.2	115	64.9	NA	18.4	95.3	NA
Mercury	0.1	0.001-0.2	< 0.06	0.02	NA	0.22	0.03	NA	< 0.07	0.02 N J	NA	<0.04	< 0.01 N J	0.14 N J	NA	< 0.05	0.02 N J	NA
Nickel	13 or SB	0.5-25	4.3 B	5.4 B	NA	23.6	7.6	NA	6.3 B	4.9 B	NA	4.2 B	8	5.1 B	NA	5.8	5.2 B	NA
Potassium	SB	8,500-43,000	245 B	243 B	NA	603 B	375 B	NA	270 B	296 B	NA	208 B	572 B	410 B	NA	403 B	453 B	NA
Selenium	2 or SB	0.1-3.9	< 0.63	0.66 B	NA	1.6	1.2	NA	0.92 B	< 0.51	NA	< 0.46	< 0.46	0.75 B	NA	1.2	0.50 B	NA
Silver	SB	NA	0.30 B	< 0.24	NA	0.41 B	< 0.22	NA	0.28 B	< 0.24	NA	< 0.07	< 0.21	< 0.24	NA	< 0.09	< 0.23	NA
Sodium	SB	6,000-8,000	475 B	1120	NA	1,140 B	643 B	NA	320 B	534 B	NA	201 B	592 B	376 B	NA	400 B	752	NA
Thallium	SB	NA	< 0.79	< 0.84	NA	< 1.3	< 0.80	NA	1.5 B	< 0.86	NA	< 0.58	< 0.76	< 0.86	NA	< 0.68	< 0.81	NA
Vanadium	150 or SB	1-300	8.7	13.8	NA	13.5	13	NA	12.6	14.5	NA	16.5	25.6	13.4	NA	11.4	18.4	NA
Zinc	20 or SB	9-50	83.1	31.7	NA	292	64.8	NA	37.8	42.9	NA	38	85.9	73.1	NA	119	36.4	NA
% Solids	NA	NA	58.9	67.5	NA	36	71.3	NA	51.5	66.4	NA	82	74.7	66	NA	70.2	70.6	NA

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Cyanide was analyzed using EPA Method 335.2

SB is Site Background

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 estimated because of the presence of interference

NA is Not Applicable

J indicates spiked sample recovery not within control limits

SECTION 10
ANALYTICAL TABLES FOR GROUNDWATER
(JANUARY 2002)
MONITORING WELLS

SECTION 10 – ANALYTICAL TABLES FOR GROUNDWATER (JANUARY 2001), MONITORING WELLS

Table 7.7.2a	Volatile Organic Compounds For Groundwater January 2001
Table 7.7.3a	Semi-volatile Organic Compounds For Groundwater January 2001
Table 7.7.4a	Pesticides and Polychlorinated Biphenyl Compounds For Groundwater January 2001
Table 7.7.5a	Metal Analytes For Groundwater January 2001

Table 7.7.2a - Volatile Organic Compounds for Groundwater Monitoring Wells
(January 2001 Sampling Event)
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L2821 & L2923

Parameter	NYSDEC Water Quality Standard (ug/L)	MW-1 ug/L	MW-2 ug/L	MW-3 ug/L	MW-4 ug/L	MW-5 ug/L	MW-6 ug/L	MW-7 ug/L	MW-8 ug/L	MW-9 ug/L	MW-10 ug/L	MW-11 ug/L	MW-12 ug/L	MW-13 ug/L	MW-13 DUPLICATE ug/L	MW-14 ug/L	MW-15 ug/L	MW-16 ug/L
Acetone	50 *	<5 J	<5 J	<5 J	<5 J	<5 J	<5 J	<5 J	<5 J	<5 J	<5 J	<5 J	<5	<5	<5	<5	<5	<5
Benzene	1.0	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromodichloromethane	50 *	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromoform	50 *	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Bromomethane	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Butanone	NA	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Disulfide	NA	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Carbon Tetrachloride	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chlorobenzene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroethane	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloroform	7	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloromethane	NA	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dibromochloromethane	50 *	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethane	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethane	0.6	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1-Dichloroethene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethene (cis)	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloroethene (trans)	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,2-Dichloropropane	1	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropene (cis)	0.4	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,3-Dichloropropene (trans)	0.4	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Ethylbenzene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
2-Hexanone	50 *	<20	<20	<20	<20	<20	<20	<20	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Methylene Chloride	5	<5 J	<6.1	<6	<6.2	<5 J	<20	<5.7	6.3	5.2	<5	5.1	<5	<5	<5	<5	<5	<5
4-Methyl-2-Pentanone	NA	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Styrene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Tetrachloroethene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,1-Trichloroethane	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2-Trichloroethane	1	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
1,1,2,2-Tetrachloroethane	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	1.4 J	<5	<5	<5	<5	<5
Trichloroethene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	2	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
m / p-Xylenes	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	1.8 J	<5	<5	<5	<5	<5
o-Xylene	5	<5 J	<5	<5	<5	<5 J	<5	<5 J	<5	<5	<5	<5	13	<5	<5	<5	<5	<5
Total VOCs	**100**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**6.3**	**5.2**	**ND**	**5.1**	**16.2**	**ND**	**ND**	**ND**	**ND**	**ND**
Total TICs	**ND**	**8.0 J**	**6.9 J**	**6.5 J**	**8.7 J**	**ND**	**10.6 J**	**6.4 J**	**14.6 J**	**5.2 J**	**5.0 J**	**5.6 J**	**358.4**	**165.8**	**75**	**55.5**	**ND**	**134.1**

* denotes a Guidance Value (GV)
VOCs analyzed using EPA Method 8260
TIC is Tentatively Identified Compound
J indicates an estimated value
NA is Not Applicable
ND is Not Detected

Table 7.7.3a - Semi-Volatile Organic Compounds for Groundwater Monitoring Wells
(January 2001 Sampling Event)
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L2821 & L2923

Parameter	NYSDEC Water Quality Standard (ug/L)	MW-1 ug/L	MW-2 ug/L	MW-3 ug/L	MW-4 ug/L	MW-5 ug/L	MW-6 ug/L	MW-7 ug/L	MW-8 ug/L	MW-9 ug/L	MW-10 ug/L	MW-11 ug/L	MW-12 ug/L	MW-13 ug/L	MW-13 DUPLICATE ug/L	MW-14 ug/L	MW-15 ug/L	MW-16 ug/L
Acenaphthene	20 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Acenaphthylene	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Anthracene	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)anthracene [1]	0.002 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(a)pyrene [1]	ND	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(b)fluoranthene [1]	0.002 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(g,h,i)perylene	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Benzo(k)fluoranthene [1]	0.002 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-Chloroethoxy)methane	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<11	<10	<10	<10	<10
bis(2-Chloroethyl)ether	1	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
bis(2-ethylhexyl)phthalate [1]	5	1.3 J	<10	<10	<10	1.3 J	1.2 J	3.7 J	1.1 J	<15	<10	<10	<10	<10	<10	<10	<10	1.0 J
4-Bromophenyl-phenylether	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Butylbenzylphthalate	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Carbazole	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
4-Chlorophenyl-phenylether	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloroaniline [1]	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
4-Chloro-3-methylphenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2-Chloronaphthalene	10	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2-Chlorophenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Chrysene	0.002 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzo(a,h)anthracene [1]	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Dibenzofuran	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	3	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
1,3-Dichlorobenzene	3	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	3	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
3,3'-Dichlorobenzidine [1]	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dichlorophenol	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dimethylphenol	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
4,6-Dinitro-2-methylphenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrophenol	10 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,4-Dinitrotoluene	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,6-Dinitrotoluene [1]	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Diethylphthlate	50 *	<10 J	<10	<10	3.8 J	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Dimethylphthlate	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Di-n-butyl phthalate	50	3.0 J	5.2 J	2.1 J	1.3 J	1.3 J	3.5 J	7.1 J	<10	9.9 J	4.1 J	6.9 J	<10	<10	<10	<10	1.0 J	<10
Di-n-octyl phthalate	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Fluoranthene	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Fluorene	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobenzene [1]	0.04	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorobutadiene	0.5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Hexachlorocyclopentadiene	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Hexachloroethane	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10

Table 7.7.3a - Semi-Volatile Organic Compounds for Groundwater Monitoring Wells
(January 2001 Sampling Event)
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L2821 & L2923

Parameter	NYSDEC Water Quality Standard (ug/L)	MW-1 ug/L	MW-2 ug/L	MW-3 ug/L	MW-4 ug/L	MW-5 ug/L	MW-6 ug/L	MW-7 ug/L	MW-8 ug/L	MW-9 ug/L	MW-10 ug/L	MW-11 ug/L	MW-12 ug/L	MW-13 ug/L	MW-13 DUPLICATE ug/L	MW-14 ug/L	MW-15 ug/L	MW-16 ug/L
Indeno(1,2,3-cd)pyrene	0.002 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Isophorone [1]	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylnaphthalene	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2-Methylphenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
3+4-Methylphenols	NS	<20 J	<20	<20	<20	<20 J	<20	<20 J	<20	<30	<20	<20	<20	<20	<20	<20	<20	<20
Naphthalene	10 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	13	11	<10	<10	<10
Nitrobenzene	0.4	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitroaniline	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
3-Nitroaniline	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitroaniline	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2-Nitrophenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
4-Nitrophenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
n-Nitroso-di-n-propylamine	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
n-Nitrosodiphenylamine	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,2'-oxybis(1-Chloropropane)	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Pentachlorophenol [1]	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Phenanthrene	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Phenol	1	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Pyrene	50 *	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,4,5-Trichlorophenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
2,4,6-Trichlorophenol	NS	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
1,2,4-Trichlorobenzene	5	<10 J	<10	<10	<10	<10 J	<10	<10 J	<10	<15	<10	<10	<10	<10	<10	<10	<10	<10
Total Non-Carcinogenic SVOCs	**NA**	**3.0**	**5.2**	**2.1**	**5.1**	**1.3**	**3.5**	**7.1**	**ND**	**9.9**	**4.1**	**6.9**	**NA**	**13**	**11**	**ND**	**1.0**	**ND**
Total Carcinogenic SVOCs	**NA**	**1.3**	**ND**	**ND**	**ND**	**1.3**	**1.2**	**3.7**	**1.1**	**ND**	**ND**	**ND**	**NA**	**ND**	**ND**	**ND**	**ND**	**1.0**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

* denotes a Guidance Value (GV)

SVOCs analyzed using EPA Method 8270

J indicates an estimated value

NS is No Standard

ND is Not Detected

Table 7.7.4a - Pesticides and Polychlorinated Biphenyl Compounds for Groundwater Monitoring Wells
(January 2001 Sampling Event)
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L2821 & L2923

Parameter	NYSDEC Water Quality Standard ug/L	MW-1 ug/L	MW-2 ug/L	MW-3 ug/L	MW-4 ug/L	MW-5 ug/L	MW-6 ug/L	MW-7 ug/L	MW-8 ug/L	MW-9 ug/L	MW-10 ug/L	MW-11 ug/L	MW-12 ug/L	MW-13 ug/L	MW-13 DUPLICATE ug/L	MW-14 ug/L	MW-15 ug/L	MW-16 ug/L
Aldrin	ND	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-BHC	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
beta-BHC	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
delta-BHC	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-BHC (Lindane)	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Chlordane	0.05	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
alpha-Chlordane	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
gamma-chlordane	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDD	0.3	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDE	0.2	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4,4'-DDT	0.2	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Dieldrin	0.004	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan I	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan II	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endosulfan Sulfate	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin	ND	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin aldehyde	NA	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Endrin keytone	5	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor	0.05	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Heptachlor epoxide	0.03	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Methoxychlor	35	<0.05 J	<0.05	<0.05	<0.05	<0.05 J	<0.05 J	<0.05 J	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Toxaphene	NA	<0.50 J	<0.50	<0.50	<0.50	<0.50 J	<0.50 J	<0.50 J	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Pesticides	NA	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**
Polychlorinated Biphenyls																		
Aroclor 1016	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1221	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1232	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1242	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1248	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1254	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Aroclor 1260	0.09	<0.5 J	<0.5	<0.5	<0.5	<0.5 J	<0.5	<0.5 J	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Total PCBs	**0.09**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**

* denotes a Guidance Value (GV)
Pesticides / PCBs analyzed using EPA Method 8082
NA is Not Applicable
ND is Not Detected

Table 7.7.5a - Metal Analytes for Groundwater Monitoring Wells
(January 2001 Sampling Event)
Risedorph Tannery - Project #00.6630
Validated Analytical Data
Chemtech Nos. L2821 & L2923

Parameter	NYSDEC Water Quality Standard (ug/L)	MW-1 ug/L	MW-2 ug/L	MW-3 ug/L	MW-4 ug/L	MW-5 ug/L	MW-6 ug/L	MW-7 ug/L	MW-8 ug/L	MW-9 ug/L	MW-10 ug/L	MW-11 ug/L	MW-12 ug/L	MW-13 ug/L	MW-13 DUPLICATE ug/L	MW-14 ug/L	MW-15 ug/L	MW-16 ug/L
Aluminum	2,000	47,900 N	2,620 N	36,200 N	405 N	321 N	31,600 N	4,360 N	38,100 N	115 BN	796 N	539 N	1,360	31,100	49,200	2,090	76,600	608
Antimony	3	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	20.3 B	<7.5	<7.5	<7.5	<7.5	<7.5
Arsenic	25	12.8	<5.5	8.6 B	<5.5	15.2	8.1 B	51.3	43.9	<5.5	441	18.6	1,060	2,280	2,340	2,950	431	1,430
Barium	1,000	275 E	26.1 BE	216 E	45.9 BE	78.8 BE	159 BE	55.8 BE	211 E	246 E	76 BE	29 BE	26.7 B	181 B	227	30.9 B	438	55.1 B
Beryllium	3 *	1.8 B	<1.5	1.9 B	<1.5	<1.5	<1.5	<1.5	1.6 B	<1.5	<1.5	<1.5	0.44 B	1.9 B	2.5 B	0.14 B	3.7 B	<0.1
Cadmium	5	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	1.8 B	<1.1	1.8 B	1.6 B	<1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Calcium	NA	258,000 E	75,700 E	259,000 E	109,000 E	132,000 E	180,000 E	50,100 E	182,000 E	225,000 E	84,800 E	63,500 E	35,200	199,000	228,000	52,000	333,000	62,500
Chromium	50	47.1	1.6 B	26.3	<1.5	<1.5	27.3	10.8	39.6	<1.5	46.6	<1.5	28.1	57.9	74.4	48	1,010	9.4 B
Cobalt	NA	30.7 B	<1.9	27.9 B	<1.9	<1.9	20.3 B	3.5 B	23.8 B	<1.9	2.4 B	<1.9	1.2 B	25.9 B	32.4 B	2.4 B	51.5	<1.1
Copper	200	35.2	<2.0	21.2 B	<2.0	<2.0	16.6 B	<2.0	36.2	<2.0	<2.0	<2.0	7.1 B	35.3	41.8	1.8 B	117	<1.2
Cyanide	200	<10	<10	<10	<10	<10	<10	<10	<10	100	<10	<10	<10	<10	<10	14	<10	<10
Iron	300	70,000	3,700	71,000	12,200	9,140	45,700	5,270	54,900	117	1,200	1,800	1,680	49,200	71,700	3,880	129,000	1,200
Lead	25	9.1	<2.1	4.6	<2.1	<2.1	9.4	2.5 B	12.2	<2.1	<2.1	<2.1	<1.5	17.8	23.4	<1.5	240	6.6
Magnesium	35,000 *	33,300	6,660	38,800	10,200	12,200	49,400	7,330	32,500	23,800	6,170	6,850	2,710 B	40,600	52,400	5,230	84,200	5,000 B
Manganese	300	1,160	66	12,800	5,420	3,220	819	121	1,130	105	193	98.2	236	1,120	1,350	77.1	2,020	78.4
Mercury	0.7	0.25 N*E	<0.2 N*R	<0.2 N*R	0.52 N*E	0.64 N*E	<0.2 N*R	0.56 N*E	0.88 N*E	1.5 N*E	1.4 N *E	0.83 N*E	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Nickel	100	38.3 B	4.2 B	28 B	<2.3	<2.3	24.4 B	5.4 B	32.4 B	<2.3	7.0 B	<2.3	5.7 B	30.2 B	38.1 B	2.2 B	69.5	<1.6
Potassium	NA	8,630 E	843 BE	7,820 E	2,340 BE	12,400 E	6,780 E	2,260 BE	12,300 E	11,000 E	21,800 E	1,720 BE	7,800	26,000	29,200	7,260	26,600	13,300
Selenium	10	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	<4.8	<4.8	<4.8	<4.8	<4.8	<4.8
Silver	50	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6
Sodium	20,000	13,400	2,290 B	57,100	180,000	592,000	11,700	150,000	671,000	2,220,000	1,680,000	65,600	462,000	155,000	156,000	47,000	268,000	113,000
Thallium	0.5 *	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2
Vanadium	NA	126	5.8 B	88.8	<1.7	2.9 B	84.2	13.3 B	90.6	<1.7	25.3 B	2.3 B	34.5 B	91.6	136	6.8 B	264	3.6 B
Zinc	2,000 *	166	25.5	129	11.2 B	8.8 B	107	30.4	125	33.8	28.7	17.9 B	37.7	163	190	37.2	447	32.9

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

NA is Not Applicable

For NYSDEC Water Quality Standards:

* denotes a Guidance Value (GV)

For Results:

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)

* indicates duplicate analysis not within limits

N indicates spiked sample recovery not within control limits

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

SECTION 11
ANALYTICAL TABLES FOR GROUNDWATER
(MAY 2002)
MONITORING WELLS

SECTION 11 – ANALYTICAL TABLES FOR GROUNDWATER (MAY 2002), MONITORING WELLS

Table 7.8.2a	Volatile Organic Compounds For Groundwater Monitoring Wells, May 2002
Table 7.8.3a	Semi-volatile Organic Compounds For Groundwater Monitoring Wells, May 2002
Table 7.8.4a	Metal Analytes For Groundwater Monitoring Wells, May 2002

Table 7.8.2a - Volatile Organic Compounds for Groundwater Monitoring Wells (May 2002 Sampling Event)
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Data Chemtech Nos. P2462 & P2471

Parameter	NYSDEC Water Quality Standard (ug/L)	SP-8 ug/L	SP-19 ug/L	Trip Blank ug/L
Acetone	50 *	< 2.3	< 2.3 J	< 2.3
Benzene	1.0	< 2.5	< 2.5	< 2.5
Bromodichloromethane	50 *	< 2.6	< 2.6	< 2.6
Bromoform	50 *	< 1.7	< 1.7	< 1.7
Bromomethane	5	< 2	< 2	< 2
2-Butanone	NA	< 2.5	< 2.5 J	< 2.5
Carbon Disulfide	NA	< 2.2	< 2.2	< 2.2
Carbon Tetrachloride	5	< 1.8	< 1.8	< 1.8
Chlorobenzene	5	< 1.8	< 1.8	< 1.8
Chloroethane	5	< 2.9	< 2.9	< 2.9
Chloroform	7	< 2.4	< 2.4	< 2.4
Chloromethane	NA	< 1.7	< 1.7	< 1.7
Dibromochloromethane	50 *	< 2.2	< 2.2	< 2.2
1,1-Dichloroethane	5	< 2.4	< 2.4	< 2.4
1,2-Dichloroethane	0.6	< 2.7	< 2.7	< 2.7
1,1-Dichloroethene	5	< 2.2	< 2.2	< 2.2
1,2-Dichloroethene (cis)	5	< 1.6	< 1.6	< 1.6
1,2-Dichloroethene (trans)	5	< 2.2	< 2.2	< 2.2
1,2-Dichloropropane	1	< 2.6	< 2.6	< 2.6
1,3-Dichloropropene (cis)	0.4	< 1.9	< 1.9	< 1.9
1,3-Dichloropropene (trans)	0.4	< 2.2	< 2.2	< 2.2
Ethylbenzene	5	< 1.9	4.3 J	< 1.9
2-Hexanone	50 *	< 2.1	< 2.1 J	< 2.1
Methylene Chloride	5	< 1.9	< 1.9	< 1.9
4-Methyl-2-Pentanone	NA	< 2.5	< 2.5	< 2.5
Styrene	5	< 1.6	< 1.6	< 1.6
Tetrachloroethene	5	< 2	< 2	< 2
1,1,1-Trichloroethane	5	< 2.4	< 2.4	< 2.4
1,1,2-Trichloroethane	1	< 1.7	< 1.7	< 1.7
1,1,2,2-Tetrachloroethane	5	< 2.8	< 2.8	< 2.8
Toluene	5	< 0.88	< 0.88	< 0.88
Trichloroethene	5	< 2.5	< 2.5	< 2.5
Vinyl Chloride	2	< 2.1	< 2.1	< 2.1
m / p-Xylenes	5	< 3.9	**14**	< 3.9
o-Xylene	5	< 1.8	**10**	< 1.8
Total VOCs	**100**	**ND**	**24**	**ND**
Total TICs	**ND**			

* denotes a Guidance Value (GV)

VOCs analyzed using EPA Method 8260

TIC is Tentatively Identified Compound

J indicates an estimated value

NA is Not Applicable; ND is Not Detected

Table 7.8.3a - Semi-Volatile Organic Compounds for Groundwater Monitoring Wells (May 2002 Sampling Event)
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Data
Chemtech Nos. P2462 & P2471

Parameter	NYSDEC Water Quality Standard (ug/L)	SP-8 ug/L	SP-19 ug/L	SP-19DL ug/L
Acenaphthene	20 *	< 1	< 1	< 5.1
Acenaphthylene	NS	< 1.2	< 1.2	< 6.1
Anthracene	50 *	< 1.3	< 1.3	< 6.6
Benzo(a)anthracene [1]	0.002 *	< 1	< 1	< 5.1
Benzo(a)pyrene [1]	ND	< 1.5	< 1.5	< 7.7
Benzo(b)fluoranthene [1]	0.002 *	< 1	< 1	< 5.1
Benzo(g,h,i)perylene	NS	< 1.3	< 1.3	< 6.6
Benzo(k)fluoranthene [1]	0.002 *	< 2.7	< 2.7	< 13
bis(2-Chloroethoxy)methane	5	< 1	< 1	< 5.1
bis(2-Chloroethyl)ether	1	< 1.2	< 1.2	< 6.1
bis(2-ethylhexyl)phthalate [1]	5	1.4 U	1.4 J	< 5.1
4-Bromophenyl-phenylether	NS	< 1	< 1	< 6.6
Butylbenzylphthalate	50 *	< 0.42	< 0.42	< 5.1
Carbazole	NS	< 1.6	< 1.6	< 2.1
4-Chlorophenyl-phenylether	NS	< 1.5	< 1.5	< 6.1
4-Chloroaniline [1]	5	< 1	< 1	< 6.1
4-Chloro-3-methylphenol	NS	< 1.1	< 1.1	< 5.6
2-Chloronaphthalene	10	< 1.2	< 1.2	< 6.1
2-Chlorophenol	NS	< 1.1	< 1.1	< 5.6
Chrysene	0.002 *	< 1.6	< 1.6	< 8.2
Dibenzo(a,h)anthracene [1]	NS	< 1.5	< 1.5	< 7.7
Dibenzofuran	NS	< 1	< 1	< 5.1
1,2-Dichlorobenzene	3	< 1	< 1	< 5.1
1,3-Dichlorobenzene	3	< 1.2	< 1.2	< 6.1
1,4-Dichlorobenzene	3	< 1	< 1	< 5.1
3,3'-Dichlorobenzidine [1]	5	< 1	< 1	< 5.1
2,4-Dichlorophenol	5	< 1.3	< 1.3	< 6.6
2,4-Dimethylphenol	50 *	< 2.3	< 2.3	< 12
4,6-Dinitro-2-methylphenol	NS	< 1.2	< 1.2	< 6.1
2,4-Dinitrophenol	10 *	< 2	< 2	< 10
2,4-Dinitrotoluene	5	< 1.1	< 1.1	< 5.6
2,6-Dinitrotoluene [1]	5	< 1	< 1	< 5.1
Diethylphthlate	50 *	< 1	< 1	< 5.1
Dimethylphthlate	50 *	< 1	< 1	< 5.1
Di-n-butyl phthalate	50	< 1.2	< 1.2	< 6.1
Di-n-octyl phthalate	50 *	< 1.5	< 1.5	< 7.7
Fluoranthene	50 *	< 1	< 1	< 5.1
Fluorene	50 *	< 1.1	< 1.1	< 5.6
Hexachlorobenzene [1]	0.04	< 1.1	< 1.1	< 5.6
Hexachlorobutadiene	0.5	< 1.5	< 1.5	< 7.7
Hexachlorocyclopentadiene	5	< 3.9 J	< 3.9	< 19

Table 7.8.3a - Semi-Volatile Organic Compounds for Groundwater Monitoring Wells (May 2002 Sampling Event)
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Data
Chemtech Nos. P2462 & P2471

Parameter	NYSDEC Water Quality Standard (ug/L)	SP-8 ug/L	SP-19 ug/L	SP-19DL ug/L
Hexachloroethane	5	< 1.1	< 1.1	< 5.6
Indeno(1,2,3-cd)pyrene	0.002 *	< 1.6	< 1.6	< 8.2
Isophorone [1]	50 *	< 1	< 1	< 5.1
2-Methylnaphthalene	NS	< 1.2	32 JD	32 JD
2-Methylphenol	NS	< 1	< 1	< 5.1
3+4-Methylphenols	NS	< 1.8	< 1.8	< 9.2
Naphthalene	10 *	6.6 J	**160 ED**	**160 D**
Nitrobenzene	0.4	< 1	< 1	< 5.1
2-Nitroaniline	5	< 1	< 1	< 5.1
3-Nitroaniline	5	< 1.2	< 1.2	< 6.1
4-Nitroaniline	5	< 2.4	< 2.4	< 12
2-Nitrophenol	NS	< 1.1	< 1.1	< 5.6
4-Nitrophenol	NS	< 1.2	< 1.2 J	< 5.6
n-Nitroso-di-n-propylamine	NS	< 1	< 1	< 5.1
n-Nitrosodiphenylamine	50 *	< 2	< 2	< 10
2,2'-oxybis(1-Chloropropane)	NS	< 1	< 1	< 5.1
Pentachlorophenol [1]	50 *	< 1.9	< 1.9	< 9.7
Phenanthrene	50 *	< 1	< 1	< 5.1
Phenol	1	< 1	< 1	< 5.1
Pyrene	50 *	< 1	< 1	< 5.1
2,4,5-Trichlorophenol	NS	< 1	< 1	< 5.1
2,4,6-Trichlorophenol	NS	< 1	< 1	< 5.1
1,2,4-Trichlorobenzene	5	< 1.2	< 1.2	< 6.1
Total Non-Carcinogenic SVOCs	**NA**	**6.6**	**192**	**192**
Total Carcinogenic SVOCs	**NA**	**1.4**	**1.4**	**ND**

[1] Carcinogenic compounds listed in USEPA's Health Effects Assessment Summary Tables (HEAST)

* denotes a Guidance Value (GV)

SVOCs analyzed using EPA Method 8270

J indicates an estimated value

NS is No Standard

ND is Not Detected

D denotes dilution by laboratory

Table 7.8.4a - Metal Analytes for Groundwater
Monitoring Wells
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Data
Chemtech Nos. P2461 & P2471

Parameter	NYSDEC Water Quality Standard ug/L	MW-1		MW-2	MW-3	MW-4	MW-5	MW-6	MW-7		MW-8		MW-9	MW-10		MW-11	
		Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	Jan-01 ug/L	Jan-01 ug/L	Jan-01 ug/L	Jan-01 ug/L	Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	May-02 ug/L
Aluminum	2,000	47,900 N	10,900 *	2,620 N	36,200 N	405 N	321 N	31,600 N	4,360 N	5,000 *	38,100 N	54,500 *	115 BN	796 N	34.3 B*	539 N	562 *
Antimony	3	<6.0	< 4.7	<6.0	<6.0	<6.0	<6.0	<6.0	<6.0	< 4.7	<6.0	< 4.7	<6.0	<6.0	< 4.7	<6.0	< 4.7
Arsenic	25	12.8	3.2 B	<5.5	8.6 B	<5.5	15.2	8.1 B	51.3	8.7 B	43.9	728	<5.5	441	67.4	18.6	16.3
Barium	1,000	275 E	NA	26.1 BE	216 E	45.9 BE	78.8 BE	159 BE	55.8 BE	NA	211 E	NA	246 E	76 BE	NA	29 BE	NA
Beryllium	3 GV	1.8 B	0.79	<1.5	1.9 B	<1.5	<1.5	<1.5	<1.5	0.42 B	1.6 B	3.4 B	<1.5	<1.5	< 0.1	<1.5	< 0.1
Cadmium	5	<1.1	< 0.4	<1.1	<1.1	<1.1	<1.1	<1.1	1.8 B	< 0.4	<1.1	< 0.4	1.8 B	1.6 B	< 0.4	<1.1	< 0.4
Calcium	NA	258,000 E	122,000 EJ	75,700 E	259,000 E	109,000 E	132,000 E	180,000 E	50,100 E	149,000 EJ	182,000 E	505,000 EJ	225,000 E	84,800 E	51,800 EJ	63,500 E	56,800 EJ
Chromium	50	47.1	16.9	1.6 B	26.3	<1.5	<1.5	27.3	10.8	14.4	39.6	75.6	<1.5	46.6	4.4 B	<1.5	2 B
Cobalt	NA	30.7 B	10.2 BJ	<1.9	27.9 B	<1.9	<1.9	20.3 B	3.5 B	7 B	23.8 B	47.5 B	<1.9	2.4 B	< 0.6	<1.9	0.72 B
Copper	200	35.2	20.6 B	<2.0	21.2 B	<2.0	<2.0	16.6 B	<2.0	12.5 B	36.2	81.9	<2.0	<2.0	< 0.9	<2.0	5.9 B
Cyanide	200	<10	NA	<10	<10	<10	<10	<10	<10	NA	<10	NA	100	<10	NA	<10	NA
Iron	300	70,000	21,800	3,700	71,000	12,200	9,140	45,700	5,270	13,700	54,900	99,700	117	1,200	172	1,800	2,700
Lead	25	9.1	10.2 N	<2.1	4.6	<2.1	<2.1	9.4	2.5 B	7.5 NJ	12.2	29.1 NJ	<2.1	<2.1	2.8 BNJ	<2.1	2.9 BNJ
Magnesium	35,000 GV	33,300	12,700	6,660	38,800	10,200	12,200	49,400	7,330	23,300	32,500	112,000	23,800	6,170	2,520 B	6,850	5,960
Manganese	300	1,160	458	66	12,800	5,420	3,220	819	121	497	1,130	2,350	105	193	40.6	98.2	120
Mercury	0.7	0.25 N*E	< 0.2	<0.2 N*R	<0.2 N*R	0.52 N*E	0.64 N*E	<0.2 N*R	0.56 N*E	< 0.2	0.88 N*E	< 0.2	1.5 N*E	1.4 N *E	< 0.2	0.83 N*E	< 0.2
Nickel	100	38.3 B	13.1 B	4.2 B	28 B	<2.3	<2.3	24.4 B	5.4 B	2.6 B	32.4 B	55.1	<2.3	7.0 B	< 1.8	<2.3	< 1.8
Potassium	NA	8,630 E	2090 BEJ	843 BE	7,820 E	2,340 BE	12,400 E	6,780 E	2,260 BE	1760 BEJ	12,300 E	11000 EJ	11,000 E	21,800 E	2330 BEJ	1,720 BE	2200 BEJ
Selenium	10	<3.3	< 3	<3.3	<3.3	<3.3	<3.3	<3.3	<3.3	< 3	<3.3	4.9 B	<3.3	<3.3	< 3	<3.3	< 3
Silver	50	<1.3	< 1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	< 1	<1.3	< 1	<1.3	<1.3	< 1	<1.3	< 1
Sodium	20,000	13,400	2,980 BEJ	2,290 B	57,100	180,000	592,000	11,700	150,000	12,200 EJ	671,000	54,900 EJ	2,220,000	1,680,000	24,900 EJ	65,600	79,000 EJ
Thallium	0.5 GV	<5.3	< 5.4	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	< 5.4	<5.3	< 5.4	<5.3	<5.3	< 5.4	<5.3	< 5.4
Vanadium	NA	126	31.8 B	5.8 B	88.8	<1.7	2.9 B	84.2	13.3 B	17.8 B	90.6	161	<1.7	25.3 B	1.2 B	2.3 B	2.1 B
Zinc	2,000 GV	166	71.5 EJ	25.5	129	11.2 B	8.8 B	107	30.4	59.2 EJ	125	274 EJ	33.8	28.7	16.4 BEJ	17.9 B	16 BEJ

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

NA is Not Applicable

For NYSDEC Water Quality Standards:

GV denotes a Guidance Value

For Results:

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)

* indicates duplicate analysis not within limits

N indicates spiked sample recovery not within control limits

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

Table 7.8.4a - Metal Analytes for Groundwater
Monitoring Wells
Risedorph Tannery - Project #00.6630
Unvalidated Analytical Data
Chemtech Nos. P2462 & P2471

Parameter	NYSDEC Water	MW-12		MW-13			MW-14		MW-15		MW-16		SP-3	SP-8	SP-9	SP-16	SP-19
	Quality Standard (ug/L)	Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	Jan-01 Duplicate ug/L	May-02 ug/L	Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	May-02 ug/L	Jan-01 ug/L	May-02 ug/L	May-02 ug/L	May-02 ug/L	May-02 ug/L	May-02 ug/L	May-02 ug/L
Aluminum	2,000	1,360	6,430 *	31,100	49,200	6,040 *	2,090	227 *	76,600	1,010 *	608	6,610 *	13,200 *	410,000 *	52,000 *	961 *	13,100 *
Antimony	3	20.3 B	5 B	<7.5	<7.5	< 4.7	<7.5	5.2 B	<7.5	< 4.7	<7.5	6 B	< 4.7	< 4.7	< 4.7	< 4.7	< 4.7
Arsenic	25	1,060	653	2,280	2,340	1,270	2,950	4,510	431	35.4	1,430	1,190	127	781	30.2	< 2.8	450
Barium	1,000	26.7 B	NA	181 B	227	NA	30.9 B	NA	438	NA	55.1 B	NA	NA	NA	NA	NA	NA
Beryllium	3 GV	0.44 B	0.59 B	1.9 B	2.5 B	0.31 B	0.14 B	< 0.1	3.7 B	< 0.1	<0.1	0.52 B	0.79 B	22.1	2.6 B	< 0.1	1 B
Cadmium	5	<0.5	< 0.4	<0.5	<0.5	< 0.4	<0.5	< 0.4	<0.5	< 0.4	<0.5	< 0.4	< 0.4	3.8 B	< 0.4	< 0.4	< 0.4
Calcium	NA	35,200	67,700 EJ	199,000	228,000	63,500 EJ	52,000	87,400 EJ	333,000	75,300 EJ	62,500	112,000 EJ	193,000 EJ	3,780,000 EJ	412,000 EJ	78,600 EJ	224,000 EJ
Chromium	50	28.1	128	57.9	74.4	31.9	48	5.8 B	1,010	46.5	9.4 B	105	32.4	488	62.6	3.2 B	165
Cobalt	NA	1.2 B	5.2 B	25.9 B	32.4 B	4.7 B	2.4 B	1.4 B	51.5	2 B	<1.1	5.2 B	11.9 B	332	41.4 B	1.3 B	17.1 B
Copper	200	7.1 B	38.7	35.3	41.8	8.2 B	1.8 B	< 0.9	117	7.8 B	<1.2	22.9 B	24.8 B	555	61.9	5.9 B	30.7
Cyanide	200	<10	NA	<10	<10	NA	14	NA	<10	NA	<10	NA	NA	NA	NA	NA	NA
Iron	300	1,680	14,100	49,200	71,700	10,100	3,880	463	129,000	2,160	1,200	14,200	26,700	785,000	93,200	2,280	30,400
Lead	25	<1.5	19.3 NJ	17.8	23.4	6.8 NJ	<1.5	3.8 NJ	240	13.4 NJ	6.6	124 NJ	9.7 NJ	158 NJ	20.9 NJ	5.7 NJ	13.1 NJ
Magnesium	35,000 GV	2,710 B	7,650	40,600	52,400	12,600	5,230	8,360	84,200	5,800	5,000 B	10,200	33,000	653,000	84,900	11,000	46,400
Manganese	300	236	518	1,120	1,350	222	77.1	89.1	2,020	106	78.4	246	1510	17,200	1,870	75.5	837
Mercury	0.7	<0.2	0.25 *	<0.2	<0.2	< 0.2	<0.2	< 0.2	<0.2	< 0.2	<0.2	< 0.2	< 0.1	1 *	< 0.2	< 0.2	< 0.2
Nickel	100	5.7 B	6.6 B	30.2 B	38.1 B	3.1 B	2.2 B	<1.8	69.5	< 1.8	<1.6	6.2 B	11.4 B	399	45	< 1.8	18.7 B
Potassium	NA	7,800	5200 EJ	26,000	29,200	8140 EJ	7,260	12000 EJ	26,600	3400 BEJ	13,300	13,800 EJ	3,480 BEJ	88,500 EJ	12,600 EJ	2,190 BEJ	15,400 EJ
Selenium	10	<4.8	< 3	<4.8	<4.8	< 3	<4.8	5.8	<4.8	< 3	<4.8	3.8 B	< 3	< 3	3.6 B	< 3	< 3
Silver	50	<1.6	< 1	<1.6	<1.6	< 1	<1.6	< 1	<1.6	< 1	<1.6	< 1	< 1	8.4 B	< 1	< 1	< 1
Sodium	20,000	462,000	272,000 EJ	155,000	156,000	53,500 EJ	47,000	150,000 EJ	268,000	18,800 EJ	113,000	77,100 EJ	32,800 EJ	204,000 EJ	192,000 EJ	54,300 EJ	915,000 EJ
Thallium	0.5 GV	<5.2	< 5.4	<5.2	<5.2	< 5.4	<5.2	< 5.4	<5.2	< 5.4	<5.2	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4	< 5.4
Vanadium	NA	34.5 B	37.7 B	91.6	136	18.1 B	6.8 B	2.4 B	264	8.7 B	3.6 B	22.6 B	38.7 B	1320	154	2.1 B	44 B
Zinc	2,000 GV	37.7	90.2 EJ	163	190	45.1 EJ	37.2	18 BEJ	447	73.2 EJ	32.9	122 EJ	81 EJ	1510 EJ	215 EJ	22.9 EJ	134 EJ

Metals were analyzed using EPA Method 6010 and 7471 for Mercury

NA is Not Applicable

GV denotes a Guidance Value

For Results:

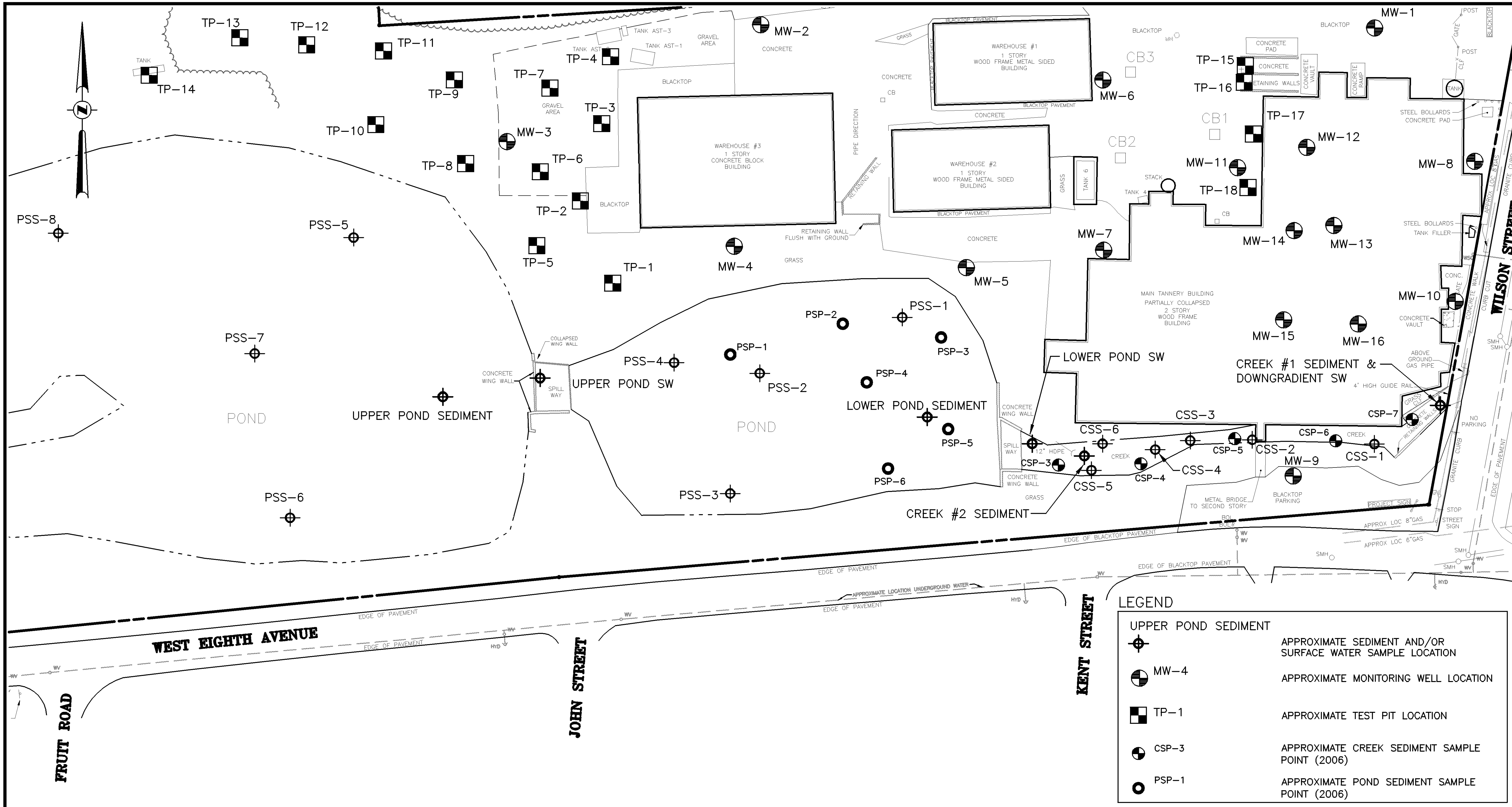
B indicates value was obtained from a reading less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL)

* indicates duplicate analysis not within limits

N indicates spiked sample recovery not within control limits

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

PROJECT NUMBER:



TP-13
TP-12
TP-11
TP-14
TP-9
TP-7
TP-4
TP-3
TP-10
MW-3
TP-8
TP-6
TP-2
TP-5
TP-1
MW-2
MW-4
WAREHOUSE #3
1 STORY
CONCRETE BLOCK
BUILDING
WAREHOUSE #2
1 STORY
WOOD FRAME METAL SIDED
BUILDING
WAREHOUSE #1
1 STORY
WOOD FRAME METAL SIDED
BUILDING
CB3
CB1
CB2
MW-1
MW-6
TP-15
TP-16
TP-17
MW-12
MW-11
TP-18
MW-8
MW-7
MW-14
MW-13
MW-5
MW-10
MAIN TANNERY BUILDING
PARTIALLY COLLAPSED
2 STORY
WOOD FRAME
BUILDING
MW-15
MW-16
WILSON STREET
PSS-8
PSS-5
PSS-7
PSS-6
POND
UPPER POND SEDIMENT
UPPER POND SW
PSS-4
PSP-1
PSP-2
PSS-1
PSP-3
PSS-2
PSP-4
LOWER POND SEDIMENT
PSP-5
PSP-6
PSS-3
LOWER POND SW
CREEK #1 SEDIMENT &
DOWNGRADIENT SW
CSS-6
CSS-3
CSP-7
CSP-6
CSS-1
CSP-5
CSS-2
MW-9
CSP-3
CSP-4
CSS-4
CSS-5
CREEK #2 SEDIMENT
WEST EIGHTH AVENUE
FRUIT ROAD
JOHN STREET
KENT STREET
LEGEND
UPPER POND SEDIMENT
APPROXIMATE SEDIMENT AND/OR SURFACE WATER SAMPLE LOCATION
MW-4
APPROXIMATE MONITORING WELL LOCATION
TP-1
APPROXIMATE TEST PIT LOCATION
CSP-3
APPROXIMATE CREEK SEDIMENT SAMPLE POINT (2006)
PSP-1
APPROXIMATE POND SEDIMENT SAMPLE POINT (2006)

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

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

DESIGNED:
DRAFTED : J.MARX
CHECKED : K.MOLINE
PROJ. NO : 00.6630
SCALE : 1"=60'±
DATE : AUG. 14, 2006

FIGURE 1
APPROXIMATE SAMPLING LOCATIONS

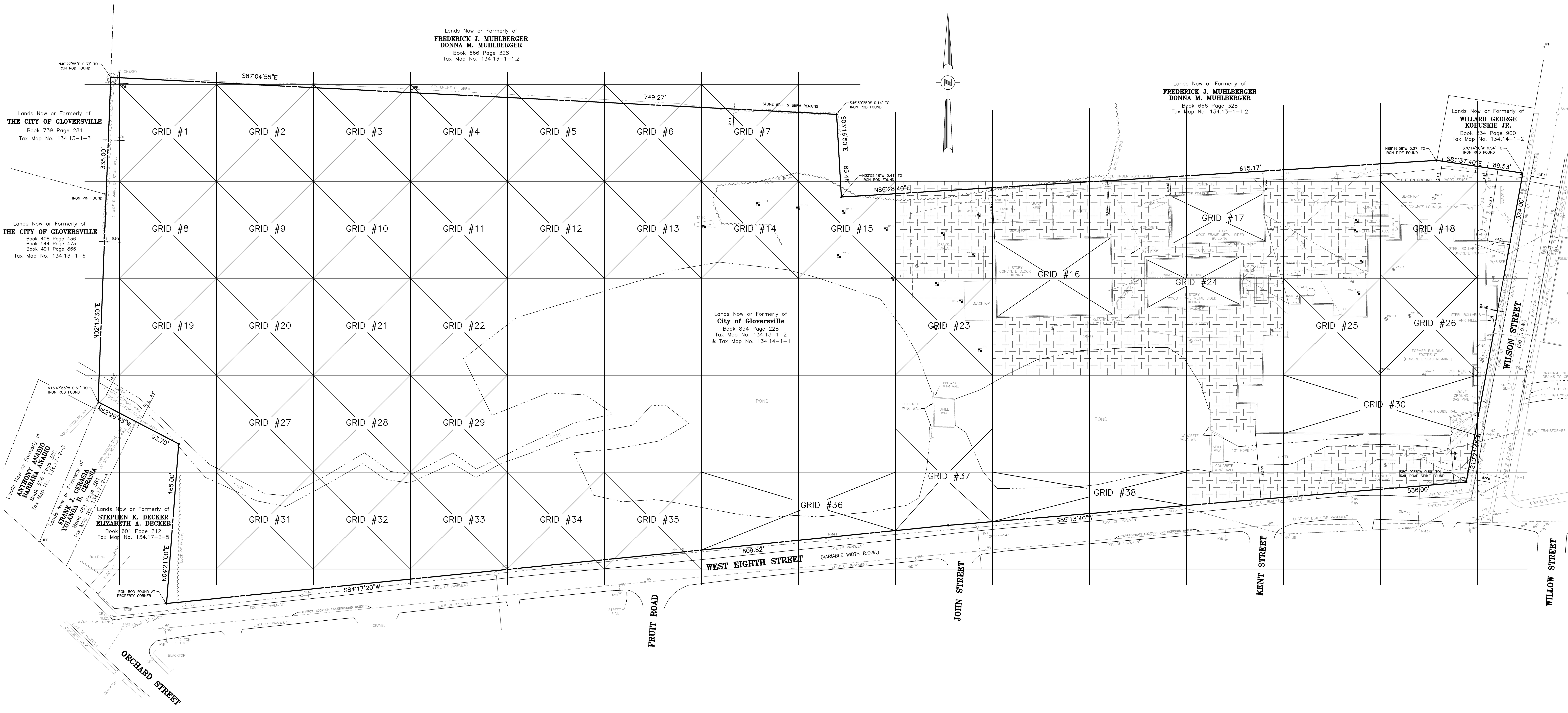
DEPICTED ON PARTIAL SITE PLAN MAP
RISEDORPH TANNERY

CITY OF GLOVERSVILLE — FULTON COUNTY, NEW YORK

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299
ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

SHEET 1 OF 2
DWG. NO: 06-0543

CAD DWG. FILE NAME: FIGURE 1_REV 2006.DWG
NO XREFS



LEGEND:

Symbol	Description
MW	MONITOR WELL
TP	TEST PIT
CB	CATCH BASIN (SQUARE)
WV	WATER VALVE
DMH	DRAINAGE MANHOLE
IPF	IRON PIPE FOUND
IRF	IRON ROD FOUND
HYD	FIRE HYDRANT
	DECIDUOUS TREE
	SPOT ELEVATION
MH	UNKNOWN MANHOLE
GV	GAS VALVE
SMH	SANITARY MANHOLE
BOL	BOLLARD
ES	END SECTION
HDPE	HIGH DENSITY POLYETHYLENE (PIPE)
NM12	UTILTIY POLE
NM13	UTILITY POLE WITH LIGHT
	STREET SIGN
CLF	CHAIN LINK FENCE
GT	GAS TEST
GMETER	GAS METER
TF	TOP OF FRAME
BT	BLACKTOP PAVEMENT
CONC.	CONCRETE

MONITOR WELL ELEVATION CHART

	GROUND	TOP OF PVC
MW-1	101.18	100.90
MW-2	107.34	110.72
MW-3	109.14	112.32
MW-4	106.68	109.58
MW-5	102.60	105.27
MW-6	100.32	103.88
MW-7	98.81	101.95
MW-8	99.98	103.23
MW-9	104.49	107.99
MW-10	98.26	101.51
MW-11	98.36	101.26
MW-12	97.48	98.34
MW-13	97.25	97.85
MW-14	97.22	97.70
MW-15	96.82	100.28
MW-16	96.95	97.73

BAR SCALE
40 0 20 40 80
1 inch = 40 ft.

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

DESIGNED :
DRAFTED : J.MARX
CHECKED : K.MOLINE
PROJ. NO : 00.6630
SCALE : 1"=40'±
DATE : AUG. 14, 2006

FIGURE 2
APPROXIMATE SURFACE SOIL SAMPLING LOCATIONS

RISEDORPH TANNERY

CITY OF GLOVERSVILLE — COUNTY OF FULTON, NEW YORK

C.T. MALE ASSOCIATES, P.C.
50 CENTURY HILL DRIVE, P.O. BOX 727, LATHAM, NY 12110
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ARCHITECTURE & BUILDING SYSTEMS ENGINEERING * CIVIL ENGINEERING
ENVIRONMENTAL SERVICES * SURVEY & LAND INFORMATION SERVICES

SHEET 2 OF 2
DWG. NO: 06-0543