Summary Report of Soil End-Point and Groundwater Samples for the Former Double E Plating Facility

Facility Address: 22-07 41st Avenue
Long Island City, NY 11101

EPA ID Number: NYD001531094

Prepared For: **Stalingrad Ventures LLP**

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The following document summarizes soil and groundwater sample analyses of samples collected from the former Double E (a.k.a. Hygrade) Plating facility

Soil

From October 11, 2013 to February 2, 2014, 338.99 tons of hazardous soil and 242.30 tons of non-hazardous soil were removed from the basement of the former Double E Plating facility and transported to a permitted disposal facility under either hazardous or non-hazardous waste manifests. The manifests for those shipments are summarized in a separate document. After removal of the soil, end-point samples were collected from the bottom of the excavation. Samples were collected at several depths as the excavation advanced. The excavation continued until the sample results indicated that the excavation bottom had achieved Restricted Residential Soil Cleanup Objectives outlined in the NYSDEC Part 375 Standards.

The samples were analyzed for the TAL list of metals. Selected samples were also analyzed for volatile organic compounds and TCLP metals. A sample location map is included in Section 1 of this document. Tables summarizing the laboratory data are included in this section as well.

Groundwater

Four groundwater monitoring wells were installed on February 7, 2014 by advancing hand-dug borings into the soils underlying the basement of the facility. The wells were completed by placing 2-inch diameter Geoprobe™ pre-packed well screens into the borings and placing a sand pack around the well. Copies of boring logs and well construction diagrams for these wells are included in Section 2 of this document.

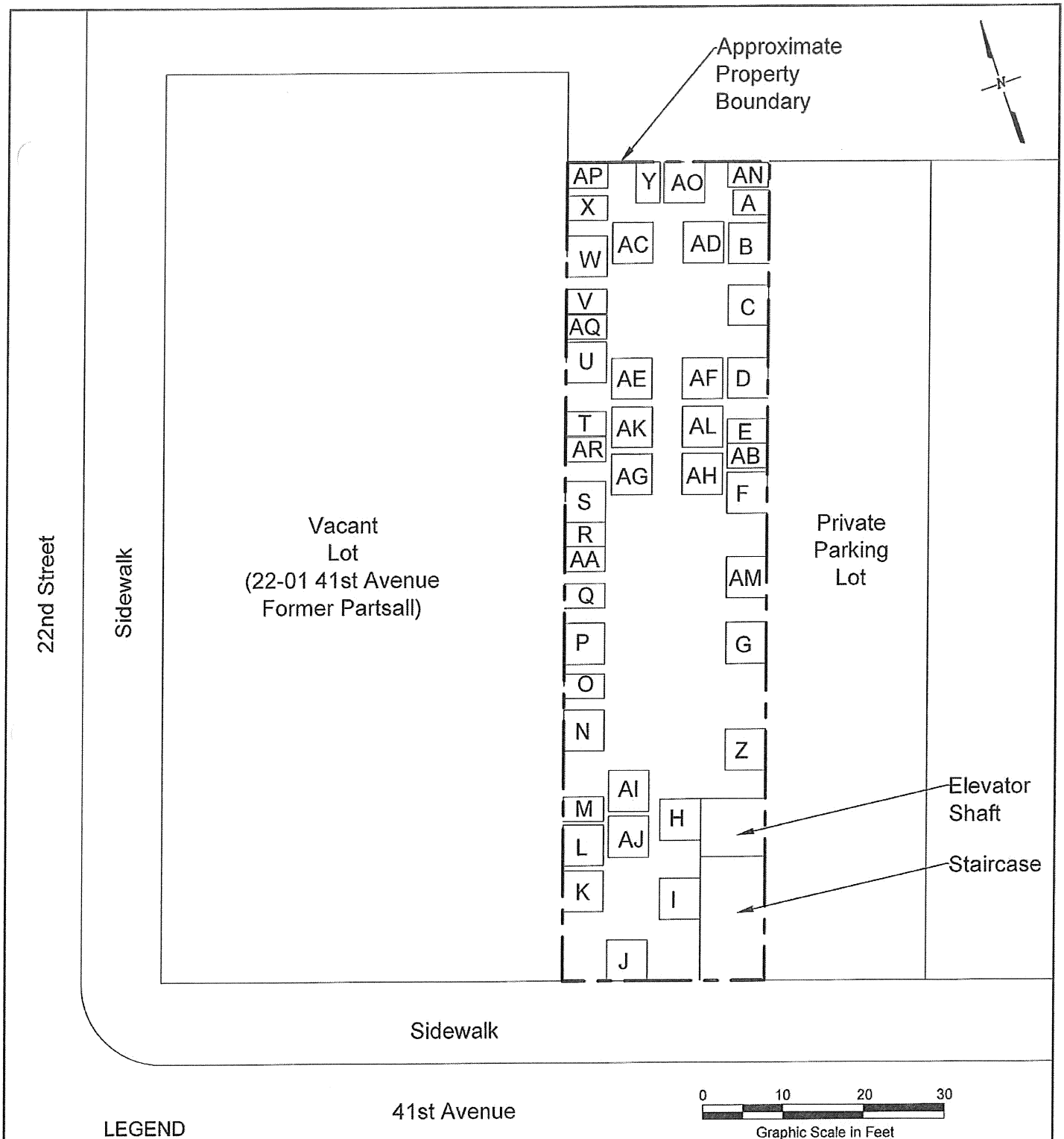
On February 19, 2013, samples were collected from these four well by placing a pre-washed 2-inch diameter sampling pump with dedicated tubing into the well and purging the static water column. The samples were then collected directly from the pump discharge into laboratory-issued sample bottles. The wells were sampled a second time on March 27, 2014 with additional parameters and field readings collected.

The samples were analyzed for volatile organic compounds, semi-volatile organic compounds, pesticides, PCBs and the TAL list of metals. A sample location map is included in Section 2 of this document. Tables summarizing the results of the two sampling events are included in this section as well.

Section 1 – Soil End-Point Results

Section 2 – Groundwater Results

Section 3 – Laboratory Reports



LEGEND

A Sample Location

Innovative Recycling Tech, Inc.

690 North Queens Ave., Lindenhurst, NY 11757

TITLE: Soil Sample Locations		DATE: 3/27/2014
		SCALE: As Shown
FIGURE: 1	Former Hygrade Plating 22-07 41st Ave Long Island City, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2014-1		APPR. BY: J.D.

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Innovative Recycling Tech Inc
Project: Double E Plating

			Location:	A	A	B	B	B	C	D	D	D	E	F	F	F	G	G	G
			SampleID:	1203-1	1206-2	111123	1114-03	1118-08	112502	111122	1114-02	1118-07	1203-2	111121	1114-01	1118-06	1112-01	1113-01	1125-1
			Sampling Date:	12/3/2013	12/9/2013	11/11/2013	11/14/2013	11/19/2013	11/25/2013	11/11/2013	11/14/2013	11/18/2013	12/3/2013	11/11/2013	11/14/2013	11/18/2013	11/12/2013	11/18/2013	11/25/2013
			Sample Depth:	3.5'	5'	4'	5'	7'	7'	3.5'	5'	7'	7'	3.5'	5'	8'	3.5'	5'	7'
VOC	Analyte	Units	Limits:	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	1,1,1,2-Tetrachloroethane	ug/Kg	NA [16]			2.15 Q				2.23 U				2.19 U					
	1,1,1-Trichloroethane	ug/Kg	100000 [16]			2.11 Q				2.18 U				2.13 U					
	1,1,2,2-Tetrachloroethane	ug/Kg	NA [16]			2.31 Q				2.39 U				2.33 U					
	1,1,2-Trichloroethane	ug/Kg	NA [16]			2.22 Q				2.29 U				2.23 U					
	1,1,3-Trichlorotrifluoroethane	ug/Kg	NA [16]			2 Q				2.05 U				2.01 U					
	1,1-Dichloroethane	ug/Kg	26000 [16]			1.88 Q				1.92 U				1.87 U					
	1,1-Dichloroethene	ug/Kg	100000 [16]			2.19 Q				2.27 U				2.21 U					
	1,1-Dichloropropene	ug/Kg	NA [16]			2.03 Q				2.1 U				2.05 U					
	1,2,3-Trichlorobenzene	ug/Kg	NA [16]			2.04 Q				2.11 U				2.06 U					
	1,2,3-Trichloropropane	ug/Kg	NA [16]			2.09 Q				2.16 U				2.11 U					
	1,2,4,5-Tetramethylbenzene	ug/Kg	NA [16]			1.83 Q				1.9 U				1.85 U					
	1,2,4-Trichlorobenzene	ug/Kg	NA [16]			2.16 Q				2.23 U				2.18 U					
	1,2,4-Trimethylbenzene	ug/Kg	52000 [16]			2.53 Q				2.62 U				2.55 U					
	1,2-Dibromo-3-chloropropane	ug/Kg	NA [16]			1.17 Q				1.21 U				1.18 U					
	1,2-Dibromoethane	ug/Kg	NA [16]			2.17 Q				2.24 U				2.19 U					
	1,2-Dichlorobenzene	ug/Kg	100000 [16]			2.41 Q				2.5 U				2.43 U					
	1,2-Dichloroethane	ug/Kg	3100 [16]			2.33 Q				2.41 U				2.35 U					
	1,2-Dichloropropane	ug/Kg	NA [16]			2.34 Q				2.42 U				2.35 U					
	1,3,5-Trimethylbenzene	ug/Kg	52000 [16]			2.51 Q				2.59 U				2.53 U					
	1,3-Dichlorobenzene	ug/Kg	49000 [16]			2.35 Q				2.44 U				2.37 U					
	1,3-Dichloropropane	ug/Kg	NA [16]			2.54 Q				2.63 U				2.56 U					
	1,4-Dichlorobenzene	ug/Kg	13000 [16]			2.48 Q				2.54 U				2.48 U					
	2,2-Dichloropropane	ug/Kg	NA [16]			2.01 Q				2.08 U				2.02 U					
	2-Butanone	ug/Kg	NA [16]			4.21 Q				4.36 U				4.25 U					
	2-Chloroethyl Vinyl ether	ug/Kg	NA [16]			3.34 Q				3.46 U				3.37 U					
	2-Chlorotoluene	ug/Kg	NA [16]			2.68 Q				2.77 U				2.7 U					
	2-Hexanone	ug/Kg	NA [16]			3.72 Q				3.85 U				3.76 U					
	4-Chlorotoluene	ug/Kg	NA [16]			2.4 Q				2.48 U				2.42 U					
	4-Isopropyltoluene	ug/Kg	NA [16]			2.43 Q				2.53 U				2.46 U					
	4-Methyl-2-pentanone	ug/Kg	NA [16]			5.64 Q				5.83 U				5.69 U					
	Acetone	ug/Kg	100000 [16]			7.83 Q				8.1 U				7.9 U					
	Acrylonitrile	ug/Kg	NA [16]			4.51 Q				4.67 U				4.55 U					
	Benzene	ug/Kg	4800 [16]			2.17 Q				2.24 U				2.19 U					
	Bromobenzene	ug/Kg	NA [16]			2.52 Q				2.6 U				2.54 U					
	Bromochloromethane	ug/Kg	NA [16]			2.3 Q				2.38 U				2.32 U					
	BromodichloromeThane	ug/Kg	NA [16]			1.44 Q				1.49 U				1.45 U					
	Bromoform	ug/Kg	NA [16]			1.09 Q				1.69 U				1.06 U					
	Bromomethane	ug/Kg	NA [16]			2.33 Q				2.41 U				2.35 U					
	c-1,2-Dichloroethene	ug/Kg	100000 [16]			2.73 Q				2.22 U				2.16 U					
	c-1,3-Dichloropropene	ug/Kg	NA [16]			2.25 Q				2.33 U				2.27 U					
	Carbon disulfide	ug/Kg	NA [16]			1.52 Q				1.57 U				1.53 U					
	Carbon Tetrachloride	ug/Kg	2400 [16]			2.1 Q				2.17 U				2.12 U					
	Chlorobenzene	ug/Kg	100000 [16]			2.48 Q				2.57 U				2.5 U					
	Chloroethane	ug/Kg	NA [16]			2.32 Q				2.4 U				2.34 U					
	Chloroform	ug/Kg	49000 [16]			2.34 Q				2.42 U				2.36 U					
	Chloromethane	ug/Kg	NA [16]			1.73 Q				1.79 U				1.74 U					
	Dibromochloromethane	ug/Kg	NA [16]			1.38 Q				1.43 U				1.39 U					
	Dibromomethane	ug/Kg	NA [16]			1.85 Q				1.92 U				1.87 U					
	Dichlorodifluoromethane	ug/Kg	NA [16]			1.21 Q				1.25 U				1.22 U					
	Ethylbenzene	ug/Kg	41000 [16]			2.05 Q				2.12 U				2.07 U					
	Hexachlorobutadiene	ug/Kg	NA [16]			2.09 Q				2.16 U				2.11 U					
	Isopropylbenzene	ug/Kg	NA [16]			2.46 Q				2.54 U				2.48 U					
	m,p-xylene	ug/Kg	NA [16]			4.85 Q				5.02 U				4.89 U					
	Methyl t-butyl ether	ug/Kg	100000 [16]			2 Q				2.06 U				2.01 U					
	Methylene Chloride	ug/Kg	100000 [16]			2.13 Q				2.26 U				2.2 U					
	Naphthalene	ug/Kg	100000 [16]			1.61 Q				1.67 U				1.63 U					
	n-Butylbenzene	ug/Kg	100000 [16]			2.49 Q				2.58 U				2.52 U					
	n-Propylbenzene	ug/Kg	100000 [16]			2.26 Q				2.34 U				2.28 U					
	o-xylene	ug/Kg	NA [16]			2.54 Q				2.63 U				2.56 U					
	p-Diethylbenzene	ug/Kg	NA [16]			2.3 Q				2.39 U				2.33 U					
	p-Ethyltoluene	ug/Kg	NA [16]			2.48 Q				2.57 U				2.5 U					
	sec-Butylbenzene	ug/Kg	100000 [16]			2.53 Q				2.62 U				2.55 U					
	Styrene	ug/Kg	NA [16]			2.1 Q				2.17 U				2.12 U					
	t-1,3-Dichloroethene	ug/Kg	NA [16]			2.11 Q				2.18 U				2.13 U					
	t-1,3-Dichloropropene	ug/Kg	NA [16]			1.63 Q				1.74 U				1.7 U					
	TAME	ug/Kg	NA [16]			2.04 Q				2.11 U				2.06 U					
	tert-Butylbenzene	ug/Kg	100000 [16]			2.41 Q				2.5 U				2.43 U					
	Tertiary butyl alcohol	ug/Kg	NA [16]			17.5 Q				18.1 U				17.7 U					
	Tetrachloroethene	ug/Kg	19000 [16]			3.22 Q				4.37 J				3.02 J					
	Toluene	ug/Kg	100000 [16]			2.2 Q				2.28 U				2.22 U					
	Trichloroethene	ug/Kg	21000 [16]			2.02 Q				2.09 U				2.04 U					
	Trichlorofluoromethane	ug/Kg	NA [16]			2.22 Q				2.29 U				2.23 U					
	Vinyl Chloride	ug/Kg	900 [16]			2.55 Q				2.64 U				2.57 U					
METALS																			
	Aluminum	mg/Kg	NA [16]	4500	6360	2340	3430	2810	6660	4240	3950	11300	6550	7670	6810	7720	4660	9050	5360
	Antimony	mg/Kg	NA [16]	0.53 U	0.5 U	0.49 U	0.5 U	0.51 U	0.5 U	0.53 U	0.49 U	0.55 U	0.6 U	0.5 U	0.52 U	0.55 U	0.52 U	0.52 U	0.54 U
	Arsenic	mg/Kg	15 [16]	0.58	0.2 U	0.21 U	0.53	0.73	1.17	0.22 U	0.21 U	0.24 U	0.25 U	0.21 U	0.22 U	0.23 U	0.92	0.22 U	1.57
	Barium	mg/Kg	400 [16]	39.9	27.3	25	31.8	39.2	49.5	21.7	44	103	54	29.5	81.5	58.5	27.9	60	23
	Beryllium	mg/Kg	72 [16]	0.51	0.59 U	0.47	0.42	0.48	0.67	0.57	0.42	1.26	1.03	0.53	0.87	0.97	0.65	1.38	0.52
	Cadmium	mg/Kg	4.3 [16]	15.4	1.24	0.022 U	0.023 U	0.023 U	0.022 U	2.52	10.8	0.025 U	0.027 U	3.29	33.2	0.025 U	0.76	5.15	0.24
	Calcium	mg/Kg	NA [16]	703	464	716	1020	3690	9360	413	1100	13100	13700	492	6260	10600	393	1330	517
	Chromium	mg/Kg	180 [16]	80.4	63.1	116	63.4	22.7	29.1	104	128	36.7	92.2	331	110	52.1	59.7	75.4	78.5
	Cobalt	mg/Kg	NA [16]	5.45	4.29	2.29	5.02	3.93	5.2	4.53	5.09	6.81	7.02	4.33	9.36	7.18	3.42	7.31	4.51
	Copper	mg/Kg	270 [16]	12	18.8	10.9	12.4	10.4	15.1	13.9	13	23.6	18.9	78.6	21.3	21.2	29.1	33.4	13.4
	Iron	mg/Kg	NA [16]	6520	7330	10700	10100	6870	13100	6530	13800	20800	18800	25900	25400	19500	7640	21700	9210
	Lead	mg/Kg	400 [16]	4.85	6.05	4.39	4.68	3.73	4.66	3.15	3.54	8.37	5.8	4.72	7.27	5.89	3.3	6.57	6.44
	Magnesium	mg/Kg	NA [16]	1500	1510	571	1650	2900	7370	1240	1500	7110	5910	949	7660	6060	1270	3650	1450
	Manganese	mg/Kg	2000 [16]	68.1	76.0	49.2	154	314	222	43.3	511	342	249	157	337	304	69.1	423	87.3
	Mercury	mg/Kg	0.81 [16]	0.015	0.021	0.09	0.02	0.02	0.011 U	0.022	0.0095	0.017	0.018	0.013	0.019	0.034	0.018	0.015	0.026
	Nickel	mg/Kg	310 [16]	115	70.3	13.7	13.9	9.48	12.9	69.7	126	22.4	19	433	152	25.1	57.7	69.3	48.6
	Potassium	mg/Kg	NA [16]	654	581	456	1170	885	2340	930	1300	4960	3160	648	5360	3270	772	4320	791
	Selenium	mg/Kg	180 [16]	0.38 U	0.3 U	0.35 U	0.35 U	0.36 U	0.36 U	0.38 U	0.35 U	0.4 U	0.43 U	0.36 U	0.37 U	0.39 U	0.37 U	0.37 U	0.38 U
	Silver	mg/Kg	180 [16]	0.039 U	0.03 U	0.036 U	0.036 U	0.037 U	0.037 U	0.69	0.036 U	0.041 U	0.044 U	0.037 U	0.035 U	0.04 U	0.039 U	0.038 U	0.039 U
	Sodium	mg/Kg	NA [16]	433	328	385	142	127	300	301	252	457	443	1080	645	500	581	1370	262
	Thallium	mg/Kg	NA [16]	0.3 U	0.3 U	0.27 U	0.28 U	0.28 U	0.28 U	0.3 U	0.27 U	0.31 U	0.33 U	0.28 U	0.29 U	0.31 U	0.29 U	0.29 U	0.3 U
	Vanadium	mg/Kg	NA [16]	13	13.6	22.5	20.2	12.5	19.3	12.6	19.7	29.8	27.3	33.6	31.2	23	11.4	33.9	14.8
	Zinc	mg/Kg	10000 [16]	19.7	23.1	8.52	17.1	13.7	25.2	23.4	43.5	42.8	38.3	35.4	43.2	33.5	31.8	34.8	19.5
WET CHEMISTRY																			
	% Solids	%	NA [16]			86.4				83.3				85.2					
	Chromium +6	mg/Kg	[16]			0.023 U				0.023 U				0.023 U					
	Cyanide	mg/Kg	27 [16]			2.22				1.49				344					
TCLP METALS																			
	Arsenic	mg/L	NA [16]			0.038 U				0.26				0.21					
	Barium	mg/L	NA [16]			0.85				1.11				0.59					
	Cadmium	mg/L	NA [16]			0.015				0.033				0.14					
	Chromium	mg/L	NA [16]			0.46				0.63				0.087					
	Copper	mg/L	NA [16]			0.12				0.23				0.28					
	Lead	mg/L	NA [16]			0.023 U				0.023 U				0.023 U					
	Mercury	mg/L	NA [16]			0.00012				0.00012				0.0002					
	Nickel	mg/L	NA [16]			0.33				0.38				5.09					
	Selenium	mg/L	NA [16]			0.064 U				0.064 U				0.064 U					
	Silver	mg/L	NA [16]			0.0055 U				0.0055 U				0.0055 U					
	Zinc	mg/L	NA [16]			0.51				0.52				1.03					

(16) NYSDEC 375 REST RES. Limits

Abbreviation:
NA = Not available, no value specified in NYSDEC 375 REST RES. Limits

Innovative Recycling Tech Inc
Project: Double E Plating

			Location:	H	I	J	K	L	M	N	N	O	P	Q	Q	R	S	S	S	T
			Sample ID:	1112-05	1112-06	1112-07	1203-6	1112-04	1203-5	1112-03	1118-03	1203-4	1112-02	1203-3	1206-1	1118-02	111107	1114-07	1118-05	112901
			Sampling Date:	11/12/2013	11/12/2013	11/12/2013	12/3/2013	11/12/2013	12/3/2013	11/12/2013	11/18/2013	12/3/2013	11/12/2013	12/3/2013	12/6/2013	11/18/2013	11/11/2013	11/14/2013	11/15/2013	11/29/2013
			Sample Depth:	3'6"	3'3"	3'3"	3'	3'	3'	3'3"	5'	7'	3'1"	7'	8'6"	5'	3'6"	6'	8'	8'
VOC	Analyte	Units	Limits	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	1,1,1,2-Tetrachloroethane	ug/Kg	NA (15)	2.21 U													2.23 U			
	1,1,1-Trichloroethane	ug/Kg	100000 (15)	2.17 U													2.18 U			
	1,1,2,2-Tetrachloroethane	ug/Kg	NA (15)	2.37 U													2.39 U			
	1,1,2-Trichloroethane	ug/Kg	NA (15)	2.27 U													2.29 U			
	1,1,2-Trichlorotrifluoroethane	ug/Kg	NA (15)	2.05 U													2.06 U			
	1,1-Dichloroethane	ug/Kg	26000 (15)	1.9 U													1.92 U			
	1,1-Dichloroethene	ug/Kg	100000 (15)	2.25 U													2.27 U			
	1,1-Dichloropropene	ug/Kg	NA (15)	2.08 U													2.1 U			
	1,2,3-Trichlorobenzene	ug/Kg	NA (15)	2.09 U													2.11 U			
	1,2,3-Trichloropropane	ug/Kg	NA (15)	2.14 U													2.16 U			
	1,2,4,5-Tetramethylbenzene	ug/Kg	NA (15)	1.63 U													1.9 U			
	1,2,4-Trichlorobenzene	ug/Kg	NA (15)	2.21 U													2.23 U			
	1,2,4-Trimethylbenzene	ug/Kg	52000 (15)	2.59 U													2.62 U			
	1,2-Dibromo-3-chloropropane	ug/Kg	NA (15)	1.2 U													1.21 U			
	1,2-Dibromoethane	ug/Kg	NA (15)	2.23 U													2.24 U			
	1,2-Dichlorobenzene	ug/Kg	100000 (15)	2.45 U													2.5 U			
	1,2-Dichloroethane	ug/Kg	3100 (15)	2.39 U													2.41 U			
	1,2-Dichloropropane	ug/Kg	NA (15)	2.4 U													2.42 U			
	1,3,5-Trimethylbenzene	ug/Kg	52000 (15)	2.57 U													2.59 U			
	1,3-Dichlorobenzene	ug/Kg	49000 (15)	2.42 U													2.44 U			
	1,3-Dichloropropane	ug/Kg	NA (15)	2.61 U													2.63 U			
	1,4-Dichlorobenzene	ug/Kg	13000 (15)	2.52 U													2.54 U			
	2,2-Dichloropropane	ug/Kg	NA (15)	2.08 U													2.03 U			
	2-Butanone	ug/Kg	NA (15)	4.32 U													4.36 U			
	2-Chloroethylvinylether	ug/Kg	NA (15)	3.43 U													3.45 U			
	2-Chlorotoluene	ug/Kg	NA (15)	2.75 U													2.77 U			
	2-Hexanone	ug/Kg	NA (15)	3.82 U													3.85 U			
	4-Chlorotoluene	ug/Kg	NA (15)	2.45 U													2.48 U			
	4-Isopropyltoluene	ug/Kg	NA (15)	2.56 U													2.58 U			
	4-Methyl-2-pentanone	ug/Kg	NA (15)	5.78 U													5.83 U			
	Acetone	ug/Kg	100000 (15)	8.03 U													8.1 U			
	Acrylonitrile	ug/Kg	NA (15)	4.63 U													4.67 U			
	Benzene	ug/Kg	4800 (15)	2.23 U													2.24 U			
	Bromobenzene	ug/Kg	NA (15)	2.58 U													2.6 U			
	Bromochloromethane	ug/Kg	NA (15)	2.35 U													2.33 U			
	Bromodichloromethane	ug/Kg	NA (15)	1.45 U													1.49 U			
	Bromoform	ug/Kg	NA (15)	1.08 U													1.09 U			
	Bromomethane	ug/Kg	NA (15)	2.39 U													2.41 U			
	c-1,2-Dichloroethene	ug/Kg	100000 (15)	2.2 U													2.22 U			
	c-1,3-Dichloropropene	ug/Kg	NA (15)	2.31 U													2.33 U			
	Carbon disulfide	ug/Kg	NA (15)	1.56 U													1.57 U			
	Carbon Tetrachloride	ug/Kg	2400 (15)	2.15 U													2.17 U			
	Chlorobenzene	ug/Kg	100000 (15)	2.55 U													2.57 U			
	Chloroethane	ug/Kg	NA (15)	2.38 U													2.4 U			
	Chloroform	ug/Kg	49000 (15)	2.4 U													2.42 U			
	Chloromethane	ug/Kg	NA (15)	1.77 U													1.79 U			
	Dibromochloromethane	ug/Kg	NA (15)	1.42 U													1.43 U			
	Dibromomethane	ug/Kg	NA (15)	1.9 U													1.92 U			
	Dichlorodifluoromethane	ug/Kg	NA (15)	1.24 U													1.25 U			
	Ethylbenzene	ug/Kg	41000 (15)	2.11 U													2.12 U			
	Hexachlorobutadiene	ug/Kg	NA (15)	2.14 U													2.16 U			
	Isopropylbenzene	ug/Kg	NA (15)	2.52 U													2.54 U			
	m,p-xylene	ug/Kg	NA (15)	4.97 U													5.02 U			
	Methyl t-butyl ether	ug/Kg	100000 (15)	2.05 U													2.06 U			
	Methylene Chloride	ug/Kg	100000 (15)	2.24 U													2.26 U			
	Naphthalene	ug/Kg	100000 (15)	1.65 U													1.67 U			
	n-Butylbenzene	ug/Kg	100000 (15)	2.58 U													2.58 U			
	n-Propylbenzene	ug/Kg	100000 (15)	2.32 U													2.34 U			
	o-xylene	ug/Kg	NA (15)	2.61 U													2.63 U			
	p-Diethylbenzene	ug/Kg	NA (15)	2.39 U													2.38 U			
	p-Ethyltoluene	ug/Kg	NA (15)	2.55 U													2.57 U			
	sec-Butylbenzene	ug/Kg	100000 (15)	2.59 U													2.62 U			
	Styrene	ug/Kg	NA (15)	2.15 U													2.17 U			
	t-1,2-Dichloroethene	ug/Kg	NA (15)	2.17 U													2.18 U			
	t-1,3-Dichloropropene	ug/Kg	NA (15)	1.73 U													1.74 U			
	TAME	ug/Kg	NA (15)	2.09 U													2.11 U			
	tert-Butylbenzene	ug/Kg	100000 (15)	2.48 U													2.5 U			
	Tertiary butyl alcohol	ug/Kg	NA (15)	18 U													18.1 U			
	Tetrachloroethene	ug/Kg	19000 (15)	5.49 J													2.9 J			
	Toluene	ug/Kg	100000 (15)	2.29 U													2.28 U			
	Trichloroethene	ug/Kg	21000 (15)	2.07 U													2.09 U			
	Trichlorofluoromethane	ug/Kg	NA (15)	2.27 U													2.29 U			
	Vinyl Chloride	ug/Kg	900 (15)	2.62 U													2.64 U			
METALS																				
	Aluminum	mg/Kg	NA (15)	5290	4940	4420	5340	4570	4610	4290	8580	10100	4510	5750	6660	10300	4850	7040	5000	7380
	Antimony	mg/Kg	NA (15)	0.5 U	0.52 U	0.57 U	0.52 U	0.5 U	0.51 U	0.51 U	0.51 U	0.6 U	0.49 U	5.33	0.49 U	0.68 U	10.7	0.53 U	0.56 U	0.57 U
	Arsenic	mg/Kg	16 (15)	2.74	1.95	1.52	1.81	1.27	0.94	1.01	0.22 U	0.25 U	0.65	0.22 U	0.21 U	0.29 U	0.21 U	0.22 U	0.24 U	0.24 U
	Barium	mg/Kg	400 (15)	44.2	28.3	21.7	22.6	33.1	29.3	19.8	70.4	94.1	28.7	58.8	26.6	69	25.4	59.3	31.1	64.3
	Beryllium	mg/Kg	72 (15)	0.59	0.67	0.67	0.5	0.63	0.62	0.6	1.17	1.21	0.59	0.79	0.054 U	1.42	0.55	0.62	0.71	0.97
	Cadmium	mg/Kg	4.3 (15)	0.022 U	0.023 U	0.025 U	0.023 U	0.022 U	0.023 U	0.023 U	0.023 U	0.027 U	3.64	3.5	0.87	0.03 U	3.77	2.42	0.025 U	0.025 U
	Calcium	mg/Kg	NA (15)	566	635	543	398	481	420	339	7160	1790	412	611	654	1870	376	11200	11300	14300
	Chromium	mg/Kg	180 (15)	7.09	15.7	14.6	15.2	8.45	14.4	34.1	27.6	62.5	51.7	376	40.5	77.7	564	57.8	63.8	54.7
	Cobalt	mg/Kg	NA (15)	3.47	3.6	3.69	4.19	5.63	3.4	3.53	7.16	9.82	3.07	6.92	3.88	9.42	4.55	6.81	5.12	6.82
	Copper	mg/Kg	270 (15)	8.42	10	9.35	9.31	8.67	9.55	14.4	17.9	22.3	21.4	230	13.1	22.9	64.9	19.7	15.9	18.4
	Iron	mg/Kg	NA (15)	6560	8700	6810	6000	7650	10400	6800	15700	26800	7670	17600	9150	21500	8450	18400	11200	20000
	Lead	mg/Kg	400 (15)	4.51	3.5	3.61	4.03	2.84	3.78	2.36	5.69	8.4	3.49	4.64	7.92	7.71	3.26	6.45	5.05	5.19
	Magnesium	mg/Kg	NA (15)	1410	1230	1160	1360	1210	1420	940	6650	6140	1030	2650	1510	4550	1060	6130	4550	6640
	Manganese	mg/Kg	2000 (15)	62	66.7	63.3	105	67.6	68.6	78.1	255	447	63.2	221	107	351	100	326	241	243
	Mercury	mg/Kg	0.81 (15)	0.021	0.019	0.015	0.013	0.02	0.0065 U	0.018	0.013	0.016	0.025	0.0097 U	0.029	0.037	0.017	0.014	0.051	0.017
	Nickel	mg/Kg	310 (15)	18	9.81	7.83	7.7	10.5	24.7	43.6	16.4	24.6	114	319	52.1	29.2	318	56.2	11.4	15.4
	Potassium	mg/Kg	NA (15)	693	717	624	705	636	718	610	4030	4360	682	1760	648	4490	656	2840	2020	3650
	Selenium	mg/Kg	180 (15)	0.35 U	0.37 U	0.41 U	0.37 U	0.35 U	0.35 U	0.38 U	0.37 U	0.43 U	0.35 U	0.37 U	0.35 U	0.48 U	0.35 U	0.38 U	0.4 U	0.41 U
	Silver	mg/Kg	180 (15)	0.037 U	0.038 U	0.042 U	0.038 U	0.037 U	0.037 U	0.037 U	0.035 U	0.044 U	0.038 U	0.038 U	0.036 U	0.05 U	0.037 U	0.039 U	0.041 U	0.042 U
	Sodium	mg/Kg	NA (15)	784	259	258	264	255	313	385	542	573	1010	748	358	1510	393	1230	507	930
	Thallium	mg/Kg	NA (15)	0.28 U	0.29 U	0.32 U	0.29 U	0.28 U	0.28 U	0.28 U	0.28 U	0.33 U	0.27 U	0.29 U	0.27 U	0.38 U	0.28 U	0.29 U	0.31 U	0.32 U
	Vanadium	mg/Kg	NA (15)	10.6	15.1	12.8	13.2	10.1	17.9	13.4	25.6	33.6	12.3	24.3	16.3	32.9	15.2	22.4	17.5	29
	Zinc	mg/Kg	10000 (15)	18.9	17.4	15.6	16.5	16.6	16.1	13.4	31.9	45.5	21.1	62.9	22.2	41.7	58.6	32.6	22	34.1
WET CHEMISTRY																				
	% Solids	%	NA (15)														83			
	Chromium +6	mg/Kg	(15)														0.023 U			
	Cyanide	mg/Kg	27 (15)														2.34			
TCLP METALS																				
	Arsenic	mg/L	NA (15)														0.11			
	Barium	mg/L	NA (15)														0.84			
	Cadmium	mg/L	NA (15)														0.003			
	Chromium	mg/L	NA (15)														0.29			
	Copper	mg/L	NA (15)														0.18			
	Lead	mg/L	NA (15)														0.023 U			
	Mercury	mg/L	NA (15)														0.00014			
	Nickel	mg/L	NA (15)														0.59			
	Selenium	mg/L	NA (15)														0.064 U			
	Silver	mg/L	NA (15)														0.0066 U			
	Zinc	mg/L	NA (15)														0.53			

(15) NYSDEC 375 REST RES. Limits

Abbreviation:
NA = Not available, no value specified in NYSDEC 375 REST RES. Limits

Innovative Recycling Tech Inc
Project: Double E Plating

			Location:	U	U	U	V	W	W	X	Y	Y	Z	AA	AB	AC	AD	AE	AE
			SampleID:	111106	111104-05	111104-04	112903	111105	111104-06	112804	111104	111104-04	1218-01	1218-03	1218-02	0139-01	0139-02	0137-03	0206-03
			Sampling Date:	11/11/2013	11/14/2013	11/13/2013	11/25/2013	11/11/2013	11/14/2013	11/25/2013	11/11/2013	11/14/2013	12/18/2013	12/18/2013	12/18/2013	1/6/2014	1/6/2014	1/27/2014	2/6/2014
			Sample Depth:	3'3"	5'	7'6"	7'	3'3"	5'	5'	3'3"	5'	7'	8'	7'	4'8"	4'6"	4'	5'
VOC	Analyte	Units	Limits	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	1,1,1,2-Tetrachloroethane	ug/Kg	NA (16)	2.29 U				2.19 U			2.36 U					2.4 U	2.55 U	1.99 U	2.23 U
	1,1,1-Trichloroethane	ug/Kg	100000 (16)	2.24 U				2.15 U			2.31 U					2.35 U	2.49 U	1.95 U	2.18 U
	1,1,2,2-Tetrachloroethane	ug/Kg	NA (16)	2.45 U				2.35 U			2.53 U					2.57 U	2.73 U	2.13 U	2.39 U
	1,1,2-Trichloroethane	ug/Kg	NA (16)	2.35 U				2.25 U			2.43 U					2.46 U	2.62 U	2.04 U	2.29 U
	1,1,2-Trichlorotrifluoroethane	ug/Kg	NA (16)	2.12 U				2.03 U			2.18 U					2.22 U	2.36 U	1.84 U	2.06 U
	1,1-Dichloroethane	ug/Kg	26000 (16)	1.97 U				1.89 U			2.03 U					2.06 U	2.19 U	1.71 U	1.92 U
	1,1-Dichloroethene	ug/Kg	100000 (16)	2.32 U				2.23 U			2.4 U					2.44 U	2.59 U	2.02 U	2.27 U
	1,1-Dichloropropene	ug/Kg	NA (16)	2.15 U				2.07 U			2.22 U					2.26 U	2.4 U	1.87 U	2.1 U
	1,2,3-Trichlorobenzene	ug/Kg	NA (16)	2.18 U				2.09 U			2.24 U					2.27 U	2.41 U	1.88 U	2.11 U
	1,2,3-Trichloropropane	ug/Kg	NA (16)	2.21 U				2.12 U			2.29 U					2.32 U	2.47 U	1.93 U	2.16 U
	1,2,4,5-Tetramethylbenzene	ug/Kg	NA (16)	1.94 U				1.86 U			2.01 U					2.04 U	2.16 U	1.69 U	1.9 U
	1,2,4-Trichlorobenzene	ug/Kg	NA (16)	2.29 U				2.19 U			2.36 U					2.4 U	2.55 U	1.99 U	2.23 U
	1,2,4-Trimethylbenzene	ug/Kg	52000 (16)	2.65 U				2.57 U			2.77 U					2.81 U	2.99 U	2.33 U	2.62 U
	1,2-Dibromo-3-chloropropane	ug/Kg	NA (16)	1.24 U				1.19 U			1.28 U					1.3 U	1.38 U	1.08 U	1.21 U
	1,2-Dibromoethane	ug/Kg	NA (16)	2.3 U				2.21 U			2.37 U					2.41 U	2.56 U	2 U	2.24 U
	1,2-Dichlorobenzene	ug/Kg	100000 (16)	2.55 U				2.45 U			2.64 U					2.69 U	2.85 U	2.23 U	2.5 U
	1,2-Dichloroethane	ug/Kg	3100 (16)	2.47 U				2.37 U			2.55 U					2.59 U	2.75 U	2.15 U	2.41 U
	1,2-Dichloropropane	ug/Kg	NA (16)	2.48 U				2.39 U			2.57 U					2.61 U	2.77 U	2.16 U	2.42 U
	1,3,5-Trimethylbenzene	ug/Kg	52000 (16)	2.69 U				2.65 U			2.74 U					2.79 U	2.95 U	2.31 U	2.59 U
	1,3-Dichlorobenzene	ug/Kg	49000 (16)	2.5 U				2.4 U			2.59 U					2.62 U	2.78 U	2.17 U	2.44 U
	1,3-Dichloropropane	ug/Kg	NA (16)	2.69 U				2.59 U			2.78 U					2.83 U	3 U	2.34 U	2.63 U
	1,4-Dichlorobenzene	ug/Kg	13000 (16)	2.61 U				2.5 U			2.69 U					2.73 U	2.9 U	2.27 U	2.54 U
	2,2-Dichloropropane	ug/Kg	NA (16)	2.13 U				2.04 U			2.2 U					2.23 U	2.37 U	1.85 U	2.08 U
	2-Butanone	ug/Kg	NA (16)	4.48 U				4.28 U			4.61 U					4.68 U	4.97 U	3.88 U	4.35 U
	2-Chloroethylvinylether	ug/Kg	NA (16)	3.54 U				3.4 U			3.69 U					3.72 U	3.95 U	3.09 U	3.46 U
	2-Chlorotoluene	ug/Kg	NA (16)	2.84 U				2.73 U			2.93 U					2.93 U	3.18 U	2.47 U	2.77 U
	2-Hexanone	ug/Kg	NA (16)	3.95 U				3.79 U			4.05 U					4.14 U	4.4 U	3.43 U	3.85 U
	4-Chlorotoluene	ug/Kg	NA (16)	2.55 U				2.44 U			2.63 U					2.67 U	2.84 U	2.21 U	2.48 U
	4-Isopropyltoluene	ug/Kg	NA (16)	2.64 U				2.54 U			2.73 U					2.77 U	2.95 U	2.3 U	2.58 U
	4-Methyl-2-pentanone	ug/Kg	NA (16)	5.93 U				5.73 U			6.17 U					6.27 U	6.65 U	5.2 U	5.83 U
	Acetone	ug/Kg	100000 (16)	8.3 U				7.97 U			8.57 U					8.71 U	9.25 U	7.22 U	8.1 U
	Acrylonitrile	ug/Kg	NA (16)	4.78 U				4.59 U			4.94 U					5.02 U	5.33 U	4.16 U	4.67 U
	Benzene	ug/Kg	4800 (16)	2.3 U				2.21 U			2.37 U					2.41 U	2.56 U	2 U	2.24 U
	Bromobenzene	ug/Kg	NA (16)	2.67 U				2.58 U			2.76 U					2.8 U	2.97 U	2.32 U	2.6 U
	Bromochloromethane	ug/Kg	NA (16)	2.44 U				2.34 U			2.51 U					2.55 U	2.71 U	2.12 U	2.38 U
	Bromodichloromethane	ug/Kg	NA (16)	1.53 U				1.48 U			1.57 U					1.6 U	1.7 U	1.33 U	1.49 U
	Bromoform	ug/Kg	NA (16)	1.12 U				1.07 U			1.16 U					1.17 U	1.25 U	0.97 U	1.09 U
	Bromomethane	ug/Kg	NA (16)	2.47 U				2.37 U			2.55 U					2.59 U	2.75 U	2.15 U	2.41 U
	c-1,2-Dichloroethene	ug/Kg	100000 (16)	2.28 U				2.18 U			3.23 J					3.45 J	2.53 U	1.98 U	2.22 U
	c-1,3-Dichloropropene	ug/Kg	NA (16)	2.39 U				2.29 U			2.48 U					2.5 U	2.66 U	2.08 U	2.33 U
	Carbon disulfide	ug/Kg	NA (16)	1.61 U				1.55 U			1.66 U					1.69 U	1.79 U	1.4 U	1.57 U
	Carbon Tetrachloride	ug/Kg	2400 (16)	2.23 U				2.14 U			2.3 U					2.33 U	2.48 U	1.94 U	2.17 U
	Chlorobenzene	ug/Kg	100000 (16)	2.63 U				2.53 U			2.72 U					2.76 U	2.93 U	2.29 U	2.57 U
	Chloroethane	ug/Kg	NA (16)	2.46 U				2.36 U			2.54 U					2.58 U	2.74 U	2.14 U	2.4 U
	Chloroform	ug/Kg	49000 (16)	2.43 U				2.33 U			2.57 U					2.61 U	2.77 U	2.16 U	2.42 U
	Chloromethane	ug/Kg	NA (16)	1.83 U				1.76 U			1.89 U					1.92 U	2.04 U	1.59 U	1.79 U
	Dibromochloromethane	ug/Kg	NA (16)	1.49 U				1.4 U			1.51 U					1.54 U	1.63 U	1.27 U	1.43 U
	Dibromomethane	ug/Kg	NA (16)	1.97 U				1.89 U			2.03 U					2.08 U	2.19 U	1.71 U	1.92 U
	Dichlorodifluoromethane	ug/Kg	NA (16)	1.23 U				1.23 U			1.32 U					1.34 U	1.42 U	1.11 U	1.25 U
	Ethylbenzene	ug/Kg	41000 (16)	2.18 U				2.09 U			2.25 U					2.28 U	2.42 U	1.89 U	2.12 U
	Hexachlorobutadiene	ug/Kg	NA (16)	2.21 U				2.12 U			2.29 U					2.32 U	2.47 U	1.93 U	2.16 U
	Isopropylbenzene	ug/Kg	NA (16)	2.61 U				2.5 U			2.69 U					2.73 U	2.9 U	2.27 U	2.54 U
	m,p-xylene	ug/Kg	NA (16)	5.14 U				4.93 U			5.31 U					5.39 U	5.73 U	4.47 U	5.02 U
	Methyl t-butyl ether	ug/Kg	100000 (16)	2.12 U				2.03 U			2.18 U					2.22 U	2.38 U	1.84 U	2.06 U
	Methylene Chloride	ug/Kg	100000 (16)	2.31 U				2.22 U			2.39 U					2.43 U	2.58 U	2.01 U	2.26 U
	Naphthalene	ug/Kg	100000 (16)	1.71 U				1.64 U			1.77 U					1.79 U	1.9 U	1.49 U	1.67 U
	n-Butylbenzene	ug/Kg	100000 (16)	2.64 U				2.54 U			2.73 U					2.77 U	2.95 U	2.3 U	2.59 U
	n-Propylbenzene	ug/Kg	100000 (16)	2.4 U				2.3 U			2.45 U					2.52 U	2.67 U	2.09 U	2.34 U
	o-xylene	ug/Kg	NA (16)	2.69 U				2.59 U			2.78 U					2.83 U	3 U	2.34 U	2.63 U
	p-Diethylbenzene	ug/Kg	NA (16)	2.44 U				2.34 U			2.51 U					2.55 U	2.71 U	2.12 U	2.38 U
	p-Ethyltoluene	ug/Kg	NA (16)	2.63 U				2.53 U			2.72 U					2.76 U	2.93 U	2.29 U	2.57 U
	sec-Butylbenzene	ug/Kg	100000 (16)	2.68 U				2.57 U			2.77 U					2.81 U	2.99 U	2.33 U	2.62 U
	Styrene	ug/Kg	NA (16)	2.23 U				2.14 U			2.3 U					2.33 U	2.48 U	1.94 U	2.17 U
	t-1,2-Dichloroethene	ug/Kg	NA (16)	2.24 U				2.15 U			2.31 U					2.35 U	2.49 U	1.95 U	2.18 U
	t-1,3-Dichloropropene	ug/Kg	NA (16)	1.78 U				1.71 U			1.84 U					1.87 U	1.99 U	1.55 U	1.74 U
	TAME	ug/Kg	NA (16)	2.16 U				2.08 U			2.24 U					2.27 U	2.41 U	1.83 U	2.11 U
	tert-Butylbenzene	ug/Kg	100000 (16)	2.56 U				2.45 U			2.64 U					2.68 U	2.85 U	2.23 U	2.5 U
	Tertiary butyl alcohol	ug/Kg	NA (16)	18.6 U				17.8 U			19.2 U					19.5 U	20.7 U	16.2 U	18.1 U
	Tetrachloroethene	ug/Kg	19000 (16)	4.14 J				3.44 J			3.23 J					2.76 U	2.93 U	2.29 U	2.57 U
	Toluene	ug/Kg	100000 (16)	2.34 U				2.24 U			2.41 U					2.45 U	2.6 U	2.03 U	2.28 U
	Trichloroethene	ug/Kg	21000 (16)	2.14 U				2.05 U			2.21 U					2.24 U	2.38 U	1.86 U	2.09 U
	Trichlorofluoromethane	ug/Kg	NA (16)	2.35 U				2.25 U			2.43 U					2.48 U	2.62 U	2.04 U	2.29 U
	Vinyl Chloride	ug/Kg	900 (16)	2.71 U				2.6 U			2.79 U					2.84 U	3.01 U	2.35 U	2.64 U
METALS																			
	Aluminum	mg/Kg	NA (16)	6420	3690	9540	7300	5270	2700	3540	5920	3080	11500	5600	6430	3150	4050	5950	8330
	Antimony	mg/Kg	NA (16)	0.52 U	0.49 U	0.53 U	0.58 U	0.5 U	0.48 U	0.55 U	0.57 U	0.5 U	0.25 U	0.57 U	0.56 U	0.64	0.54 U	0.5 U	0.53 U
	Arsenic	mg/Kg	16 (16)	2.42	0.21 U	0.22 U	0.83	0.58	1.06	1.3	3.92	1.18	4.65	4.57	4.38	2.02	3.22	0.21 U	0.23 U
	Barium	mg/Kg	400 (16)	40.7	23.3	63.1	81.7	40.5	39.6	30.8	59.7	20.2	152	39.2	69.9	37	48.4	42.6	55.1
	Beryllium	mg/Kg	72 (16)	0.63	0.44	1.14	0.9	0.58	0.31	0.44	0.65	0.33	0.065 U	0.064 U	0.063 U	0.061 U	0.06 U	0.065 U	0.059 U
	Cadmium	mg/Kg	4.3 (16)	9.04	2.44	0.024 U	0.026 U	4.71	0.021 U	0.024 U	1.25	0.022 U	0.26	0.063	0.27	0.24	3.44	18.9	1.56
	Calcium	mg/Kg	NA (16)	323	619	12800	7830	698	811	730	699	764	3550	14400	14800	535	632	460	1300
	Chromium	mg/Kg	180 (16)	16.4	14.1	18.5	23.9	27.3	23.3	16.9	15.5	25.2	29.6	40.4	43.6	32.2	12.5	265	65.7
	Cobalt	mg/Kg	NA (16)	3.31	5.41	7.39	6.95	3.41	4.2	4.45	3.8	3.06	11.7	6.43	6.42	6.09	5.17	9.22	7.11
	Copper	mg/Kg	270 (16)	19.1	13.9	21.7	21.5	11.4	9.23	11.9	12.4	10.6	26.1	19.7	20.3	8.59	8.47	21.3	38.4
	Iron	mg/Kg	NA (16)	13200	6740	20300	17100	8550	6250	9350	13100	7890	35500 E	16900	17600	5730	8100	10600	20900
	Lead	mg/Kg	400 (16)	5.59	3.09	7.13	6.28	4.71	2.63	3.58	5.83	3.17	10.2	5.43	6.02	3.96	5.34	4.17	5.71
	Magnesium	mg/Kg	NA (16)	1110	1210	6550	7490	1150	1270	1650	1240	1020	7540	6570	6370	1150	1120	1770	4290
	Manganese	mg/Kg	2000 (16)	65.3	47.1	284	472	44.8	258	143	127	53.6	696	687	288	42.7	138	49.4	376
	Mercury	mg/Kg	0.81 (16)	0.03	0.025	0.032	0.015	0.032	0.018	0.011 U	0.062	0.011	0.016	0.014	0.029	0.016	0.032	0.09	0.014
	Nickel	mg/Kg	310 (16)	230	103	17.7	31.3	159	15.9	23.2	62.4	19.4	27.4	23.0	13.8	87.6	67	548	33.4
	Potassium	mg/Kg	NA (16)	1310	838	4600	3240	845	716	692	897	577	5530	2250	2350	577	617	877	2420
	Selenium	mg/Kg	180 (16)	0.36 U	0.35 U	0.38 U	0.42 U	0.36 U	0.34 U	0.39 U	0.41 U	0.36 U	0.41 U	0.41 U	0.4 U	0.39 U	0.38 U	0.35 U	0.38 U
	Silver	mg/Kg	180 (16)	0.039 U	0.035 U	0.039 U	0.043 U	0.037 U	0.035 U	0.04 U	0.042 U	0.037 U	1.37	0.63	3.65	0.04 U	0.039 U	0.037 U	0.039 U
	Sodium	mg/Kg	NA (16)	1270	340	953	567	763	144	288	1070	203	503	761	484	535	799	166	608
	Thallium	mg/Kg	NA (16)	0.29 U	0.27 U	0.29 U	0.32 U	0.28 U	0.27 U	0.31 U	0.32 U	0.28 U	0.32 U	0.32 U	0.31 U	0.31 U	0.3 U	0.28 U	0.3 U
	Vanadium	mg/Kg	NA (16)	19.6	15.1	27.7	25	11.8	14.2	15.9	19.5	16	39.8	23.7	25.9	14.3	13.6	26.7	28.6
	Zinc	mg/Kg	10000 (16)	17.9	20.7	35.2	33.2	19.8	15	17.2	20.9	13.6	54.9	29.5	34.1	18	15.7	65.1	31.1
WET CHEMISTRY																			
	% Solids	%	NA (16)	81.4				84.6			78.7					84.4	82.4	83.1	84.7
	Chromium +6	mg/Kg	(16)	0.023 U				0.023 U			0.023 U								
	Cyanide	mg/Kg	27 (16)	0.38 U				0.43 U			0.69					0.008 U	0.009 U	0.84	0.083
TCLP METALS																			
	Arsenic	mg/L	NA (16)	0.11				0.045			0.35								
	Barium	mg/L	NA (16)	0.72				0.67			0.93								
	Cadmium	mg/L	NA (16)	0.28				0.2			0.057								
	Chromium	mg/L	NA (16)	0.012 U				0.017			0.042								
	Copper	mg/L	NA (16)	0.14				0.28			0.12								
	Lead	mg/L	NA (16)	0.023 U				0.023 U			0.023 U								
	Mercury	mg/L	NA (16)	0.00014				0.000112			0.0031								
	Nickel	mg/L	NA (16)	1.92				2.58			0.57								
	Selenium	mg/L	NA (16)	0.064 U				0.064 U			0.064 U								
	Silver	mg/L	NA (16)	0.0065 U				0.0065 U			0.0065 U								
	Zinc	mg/L	NA (16)	0.47				0.94			0.8								

(16) NYSDEC 375 REST RES. Limits

Abbreviation:
NA = Not available, no value specified in NYSDEC 375 REST RES. Limits

Innovative Recycling Tech Inc
Project: Double E Plating

			Location:	AF	AF	AG	AH	AI	AJ	AK	AK	AK	AL	AL	AL	AM	AN	AO	AP	AQ	AR
			SampleID:	0127-01	0208-01	0127-04	0127-02	0127-03	0127-05	0208-04	0311-2	0320-01	0208-03	0311-1	0320-02	1311-4	1311-5	1211-1	1311-2	1311-3	1311-5
			Sampling Date:	1/27/2014	2/8/2014	1/27/2014	1/27/2014	1/27/2014	1/27/2014	2/8/2014	3/11/2014	3/20/2014	2/8/2014	3/11/2014	3/20/2014	12/11/2013	12/11/2013	12/11/2013	12/11/2013	12/11/2013	12/11/2013
			Sample Depth:	4'	5'	4'	4'	3'	3'	5'	5'	7'6"	5'	5'	7'6"	3'	5'	4'	5'	3'	3'
VOC	Analyte	Units	Limits	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
	1,1,1,2-Tetrachloroethane	ug/Kg	NA (d)	2.03 U	2.7 U	2.19 U	2.23 U	2.73 U	2.51 U	2.66 U			2.38 U								
	1,1,1-Trichloroethane	ug/Kg	100000 (d)	1.93 U	2.64 U	2.15 U	2.15 U	2.73 U	2.46 U	2.6 U			2.33 U								
	1,1,2,2-Tetrachloroethane	ug/Kg	NA (d)	2.17 U	2.89 U	2.35 U	2.39 U	2.93 U	2.69 U	2.85 U			2.55 U								
	1,1,2-Trichloroethane	ug/Kg	NA (d)	2.08 U	2.77 U	2.25 U	2.29 U	2.87 U	2.58 U	2.73 U			2.44 U								
	1,1,2-Trichlorotrifluoroethane	ug/Kg	NA (d)	1.87 U	2.49 U	2.03 U	2.06 U	2.58 U	2.32 U	2.46 U			2.2 U								
	1,1-Dichloroethane	ug/Kg	26000 (d)	1.74 U	2.32 U	1.63 U	1.93 U	2.4 U	2.16 U	2.29 U			2.05 U								
	1,1-Dichloroethene	ug/Kg	100000 (d)	2.06 U	2.74 U	2.23 U	2.27 U	2.84 U	2.55 U	2.7 U			2.42 U								
	1,1-Dichloropropene	ug/Kg	NA (d)	1.51 U	2.54 U	2.07 U	2.1 U	2.63 U	2.36 U	2.5 U			2.24 U								
	1,2,3-Trichlorobenzene	ug/Kg	NA (d)	1.92 U	2.55 U	2.08 U	2.11 U	2.64 U	2.38 U	2.52 U			2.25 U								
	1,2,3-Trichloropropane	ug/Kg	NA (d)	1.96 U	2.61 U	2.12 U	2.16 U	2.7 U	2.43 U	2.57 U			2.3 U								
	1,2,4,5-Tetramethylbenzene	ug/Kg	NA (d)	1.72 U	2.29 U	1.85 U	1.9 U	2.37 U	2.13 U	2.26 U			2.02 U								
	1,2,4-Trichlorobenzene	ug/Kg	NA (d)	2.03 U	2.7 U	2.19 U	2.23 U	2.79 U	2.51 U	2.66 U			2.38 U								
	1,2,4-Trimethylbenzene	ug/Kg	52000 (d)	2.38 U	3.16 U	2.57 U	2.62 U	3.27 U	2.94 U	3.12 U			2.79 U								
	1,2-Dibromo-3-chloropropane	ug/Kg	NA (d)	1.1 U	1.46 U	1.19 U	1.21 U	1.51 U	1.36 U	1.44 U			1.29 U								
	1,2-Dibromoethane	ug/Kg	NA (d)	2.04 U	2.71 U	2.21 U	2.24 U	2.81 U	2.52 U	2.67 U			2.39 U								
	1,2-Dichlorobenzene	ug/Kg	100000 (d)	2.27 U	3.02 U	2.45 U	2.5 U	3.12 U	2.81 U	2.97 U			2.66 U								
	1,2-Dichloroethane	ug/Kg	3100 (d)	2.19 U	2.91 U	2.37 U	2.41 U	3.02 U	2.71 U	2.87 U			2.57 U								
	1,2-Dichloropropane	ug/Kg	NA (d)	2.2 U	2.93 U	2.38 U	2.42 U	3.03 U	2.73 U	2.89 U			2.59 U								
	1,3,5-Trimethylbenzene	ug/Kg	52000 (d)	2.35 U	3.13 U	2.55 U	2.59 U	3.24 U	2.92 U	3.09 U			2.76 U								
	1,3-Dichlorobenzene	ug/Kg	49000 (d)	2.21 U	2.94 U	2.4 U	2.44 U	3.05 U	2.74 U	2.9 U			2.6 U								
	1,3-Dichloropropane	ug/Kg	NA (d)	2.39 U	3.18 U	2.58 U	2.63 U	3.29 U	2.96 U	3.13 U			2.8 U								
	1,4-Dichlorobenzene	ug/Kg	13000 (d)	2.31 U	3.07 U	2.5 U	2.54 U	3.18 U	2.86 U	3.03 U			2.71 U								
	2,2-Dichloropropane	ug/Kg	NA (d)	1.89 U	2.51 U	2.04 U	2.08 U	2.6 U	2.34 U	2.47 U			2.21 U								
	2-Butanone	ug/Kg	NA (d)	3.96 U	5.28 U	4.28 U	4.36 U	5.45 U	4.9 U	5.19 U			4.65 U								
	2-Chloroethyl Vinyl ether	ug/Kg	NA (d)	3.14 U	4.18 U	3.4 U	3.46 U	4.32 U	3.89 U	4.12 U			3.69 U								
	2-Chlorotoluene	ug/Kg	NA (d)	2.62 U	3.35 U	2.73 U	2.77 U	3.48 U	3.12 U	3.3 U			2.96 U								
	2-Hexanone	ug/Kg	NA (d)	3.5 U	4.65 U	3.79 U	3.85 U	4.82 U	4.33 U	4.59 U			4.11 U								
	4-Chlorotoluene	ug/Kg	NA (d)	2.26 U	3 U	2.44 U	2.48 U	3.11 U	2.79 U	2.96 U			2.65 U								
	4-Isopropyltoluene	ug/Kg	NA (d)	2.34 U	3.12 U	2.54 U	2.58 U	3.22 U	2.9 U	3.07 U			2.75 U								
	4-Methyl-2-pentanone	ug/Kg	NA (d)	5.3 U	7.05 U	5.73 U	5.83 U	7.29 U	6.56 U	6.95 U			6.22 U								
	Acetone	ug/Kg	100000 (d)	7.36 U	9.79 U	7.97 U	8.1 U	10.1 U	9.11 U	9.65 U			8.64 U								
	Acrylonitrile	ug/Kg	NA (d)	4.24 U	5.64 U	4.59 U	4.67 U	5.84 U	5.25 U	5.56 U			4.98 U								
	Benzene	ug/Kg	4800 (d)	2.04 U	2.71 U	2.21 U	2.24 U	2.81 U	2.53 U	2.67 U			2.39 U								
	Bromobenzene	ug/Kg	NA (d)	2.37 U	3.15 U	2.56 U	2.6 U	3.26 U	2.93 U	3.1 U			2.78 U								
	Bromochloromethane	ug/Kg	NA (d)	2.18 U	2.87 U	2.34 U	2.38 U	2.97 U	2.67 U	2.83 U			2.53 U								
	Bromodichloromethane	ug/Kg	NA (d)	1.36 U	1.8 U	1.46 U	1.49 U	1.86 U	1.67 U	1.77 U			1.59 U								
	Bromoform	ug/Kg	NA (d)	0.99 U	1.32 U	1.07 U	1.09 U	1.37 U	1.23 U	1.3 U			1.16 U								
	Bromomethane	ug/Kg	NA (d)	2.13 U	2.81 U	2.37 U	2.41 U	3.02 U	2.71 U	2.87 U			2.57 U								
	c-1,2-Dichloroethene	ug/Kg	100000 (d)	2.02 U	2.68 U	2.18 U	2.22 U	2.78 U	2.5 U	2.65 U			2.37 U								
	c-1,3-Dichloropropene	ug/Kg	NA (d)	2.11 U	2.81 U	2.29 U	2.33 U	2.91 U	2.62 U	2.77 U			2.48 U								
	Carbon disulfide	ug/Kg	NA (d)	1.43 U	1.9 U	1.55 U	1.57 U	1.97 U	1.77 U	1.87 U			1.68 U								
	Carbon Tetrachloride	ug/Kg	2400 (d)	1.97 U	2.62 U	2.14 U	2.17 U	2.71 U	2.44 U	2.59 U			2.32 U								
	Chlorobenzene	ug/Kg	100000 (d)	2.33 U	3.1 U	2.53 U	2.57 U	3.21 U	2.89 U	3.06 U			2.74 U								
	Chloroethane	ug/Kg	NA (d)	2.18 U	2.9 U	2.36 U	2.4 U	3 U	2.7 U	2.86 U			2.56 U								
	Chloroform	ug/Kg	49000 (d)	2.2 U	2.93 U	2.38 U	2.42 U	3.03 U	2.73 U	2.89 U			2.59 U								
	Chloromethane	ug/Kg	NA (d)	1.62 U	2.16 U	1.76 U	1.79 U	2.23 U	2.01 U	2.13 U			1.91 U								
	Dibromochloromethane	ug/Kg	NA (d)	1.3 U	1.73 U	1.4 U	1.43 U	1.78 U	1.61 U	1.7 U			1.52 U								
	Dibromomethane	ug/Kg	NA (d)	1.74 U	2.32 U	1.83 U	1.92 U	2.4 U	2.16 U	2.29 U			2.05 U								
	Dichlorodifluoromethane	ug/Kg	NA (d)	1.13 U	1.51 U	1.23 U	1.25 U	1.56 U	1.4 U	1.49 U			1.33 U								
	Ethylbenzene	ug/Kg	41000 (d)	1.93 U	2.57 U	2.09 U	2.12 U	2.65 U	2.39 U	2.53 U			2.27 U								
	Hexachlorobutadiene	ug/Kg	NA (d)	1.96 U	2.61 U	2.12 U	2.16 U	2.7 U	2.43 U	2.57 U			2.3 U								
	Isopropylbenzene	ug/Kg	NA (d)	2.31 U	3.07 U	2.5 U	2.54 U	3.18 U	2.86 U	3.03 U			2.71 U								
	m,p-xylene	ug/Kg	NA (d)	4.56 U	6.08 U	4.93 U	5.02 U	6.27 U	5.64 U	5.93 U			5.35 U								
	Methyl t-butyl ether	ug/Kg	100000 (d)	1.87 U	2.49 U	2.03 U	2.06 U	2.58 U	2.32 U	2.46 U			2.2 U								
	Methylene Chloride	ug/Kg	100000 (d)	2.65 U	3.73 U	2.22 U	2.26 U	2.82 U	2.54 U	2.69 U			2.41 U								
	Naphthalene	ug/Kg	100000 (d)	1.52 U	2.02 U	1.64 U	1.67 U	2.09 U	1.83 U	1.99 U			1.78 U								
	n-Butylbenzene	ug/Kg	100000 (d)	2.34 U	3.12 U	2.54 U	2.58 U	3.22 U	2.9 U	3.07 U			2.75 U								
	n-Propylbenzene	ug/Kg	100000 (d)	2.13 U	2.83 U	2.3 U	2.34 U	2.92 U	2.63 U	2.79 U			2.5 U								
	o-xylene	ug/Kg	NA (d)	2.39 U	3.18 U	2.58 U	2.63 U	3.29 U	2.96 U	3.13 U			2.8 U								
	p-Diethylbenzene	ug/Kg	NA (d)	2.19 U	2.87 U	2.34 U	2.38 U	2.97 U	2.67 U	2.83 U			2.53 U								
	p-Ethyltoluene	ug/Kg	NA (d)	2.33 U	3.1 U	2.53 U	2.57 U	3.21 U	2.89 U	3.06 U			2.74 U								
	sec-Butylbenzene	ug/Kg	100000 (d)	2.38 U	3.16 U	2.57 U	2.62 U	3.27 U	2.94 U	3.12 U			2.79 U								
	Styrene	ug/Kg	NA (d)	1.97 U	2.62 U	2.14 U	2.17 U	2.71 U	2.44 U	2.59 U			2.32 U								
	t-1,2-Dichloroethene	ug/Kg	NA (d)	1.53 U	2.04 U	2.15 U	2.18 U	2.73 U	2.45 U	2.6 U			2.33 U								
	t-1,3-Dichloropropene	ug/Kg	NA (d)	1.58 U	2.1 U	1.71 U	1.74 U	2.17 U	1.95 U	2.07 U			1.85 U								
	TAME	ug/Kg	NA (d)	1.52 U	2.55 U	2.08 U	2.11 U	2.64 U	2.38 U	2.52 U			2.25 U								
	tert-Butylbenzene	ug/Kg	100000 (d)	2.27 U	3.02 U	2.45 U	2.5 U	3.12 U	2.81 U	2.97 U			2.66 U								
	Tertiary butyl alcohol	ug/Kg	NA (d)	15.5 U	21.9 U	17.8 U	18.1 U	22.6 U	20.4 U	21.6 U			19.3 U								
	Tetrachloroethene	ug/Kg	19000 (d)	2.33 U	3.1 U	2.53 U	2.57 U	3.21 U	2.89 U	3.06 U			2.74 U								
	Toluene	ug/Kg	100000 (d)	2.07 U	2.76 U	2.24 U	2.28 U	2.85 U	2.57 U	2.72 U			2.43 U								
	Trichloroethene	ug/Kg	21000 (d)	1.9 U	2.52 U	2.05 U	2.09 U	2.61 U	2.35 U	2.49 U			2.23 U								
	Trichlorofluoromethane	ug/Kg	NA (d)	2.08 U	2.77 U	2.25 U	2.29 U	2.87 U	2.58 U	2.73 U			2.44 U								
	Vinyl Chloride	ug/Kg	900 (d)	2.4 U	3.19 U	2.6 U	2.64 U	3.3 U	2.97 U	3.15 U			2.82 U								
METALS																					
	Aluminum	mg/Kg	NA (d)	4150	9730	6020	6580	6760	4900	8960	8500	9700	6970	25600	6843	11500	3260	3920	4080	7350	6850
	Antimony	mg/Kg	NA (d)	0.43 U	0.51 U	0.52 U	0.51 U	0.51 U	0.54 U	0.53 U	0.6 U	0.58 U	0.51 U	1.43 U	0.58 U	0.56 U	0.5 U	0.49 U	0.5 U	0.49 U	0.52 U
	Arsenic	mg/Kg	16 (d)	0.2 U	0.22 U	0.27	0.22 U	0.41	0.67	0.22 U	4.01	4.15	0.22 U	11.9	3.89	0.24 U	0.21 U	0.21 U	0.21 U	0.21 U	0.22 U
	Barium	mg/Kg	400 (d)	27.8	63.8	29.8	35.1	45.1	49.3	72.4	83.8	124	48.6	226	77.2	110	23.2	31.8	24.3	89.3	83.1
	Beryllium	mg/Kg	72 (d)	0.11	0.057 U	0.058 U	0.057 U	0.2	0.11	0.058 U	0.057 U	0.064 U	0.057 U	0.15 U	0.064 U	0.062 U	0.056 U	0.055 U	0.056 U	0.055 U	0.058 U
	Cadmium	mg/Kg	4.3 (d)	7.32	0.73	1.21	2.58	0.023 U	0.024 U	11.9	36.4	0.026 U	1.04	0.43	0.026 U	4.12	0.022 U	0.058	0.13	0.094	1.08
	Calcium	mg/Kg	NA (d)	420	1700	452	518	381	535	1730	13700	11500	1000	27400	13900	6970	827	878	799	14700	12200
	Chromium	mg/Kg	180 (d)	81.1	77.7	159	147	153	116	94.9	117	91.7	207	144	63.7	92.2	33.6	10.9	35.7	16.8	69.2
	Cobalt	mg/Kg	NA (d)	5.45	6.83	2.32	3.56	2.46	3.06	8.1	9.24	12.3	6.29	23.1	7.36	12.0	5.83	3.57	4.68	7.56	6.62
	Copper	mg/Kg	270 (d)	14.1	25.1	29.6	24.5	23.3	9.72	13.7	20.9	23.9	42.4	51.8	20.6	24.7	9.05	9.46	9.32	19.0	25.4
	Iron	mg/Kg	NA (d)	12100	21100	8260	11500	14800	13600	22700	25700	27300	17500	59900	20200	24500	6560	7370	10500	18200	19300
	Lead	mg/Kg	400 (d)	3.39	5.87	6.66	7.31	6.81	4.75	6.47	7.42	8.62	4.38	20.4	5.6	7.28	2.33	3.54	3.58	4.64	7.46
	Magnesium	mg/Kg	NA (d)	1370	4720	1030	1550	1140	1150	5260	9050	10400	3530	22800	6820	9660	1250	1430	1310	7550	6490
	Manganese	mg/Kg	2000 (d)	40.4	348	49.9	75.9	44.7	56.8	361	392	399	173	902	275	442	131	80.7	113	314	287
	Mercury	mg/Kg	0.81 (d)	0.011 U	0.027	0.038	0.011 U	0.043	0.031	0.021	0.012 U	0.019	0.02	0.023	0.015	0.011 U	0.0083 U	0.015	0.013	0.012	0.012
	Nickel	mg/Kg	310 (d)	217	47.9	29.2	68.2	14.5	5.76	165	277	24.2	72	54.9	23.6	43.7	12.9	8.73	11.7	17.4	33.7
	Potassium	mg/Kg	NA (d)	766	2570	604	645	756	533	2660	3930	5690	2060	11500	3630	5010	402	485	269	2660	3350
	Selenium	mg/Kg	180 (d)	0.34 U	0.36 U	0.38 U	0.37 U	0.37 U	0.39 U	0.37 U	0.43 U	0.41 U	0.37 U	1.02 U	0.41 U	0.4 U	0.36 U	0.35 U	0.36	0.35 U	0.37 U
	Silver	mg/Kg	180 (d)	1.62	0.037 U	6.41	0.038 U	0.038 U	0.04 U	0.038 U	1.59	0.042 U	1.55	0.11 U	0.042 U	0.041 U	0.037 U	0.036 U	0.037	0.036 U	0.038 U
	Sodium	mg/Kg	NA (d)	189	1160	627	381	969	186	660	610	470	303	1660	663	1100	123	240	236	469	917
	Thallium	mg/Kg	NA (d)	0.27 U	0.28 U	0.29 U	0.29 U	0.29 U	4.54	0.29 U	0.33 U	9.64	0.29 U	0.8 U	0.32 U	0.31 U	0.28 U	0.28 U	0.28 U	0.28 U	0.29 U
	Vanadium	mg/Kg	NA (d)	15.5	29.8	15.8	19.9	21.1	13.5	25.6	29.3	35.4	23.6	82.2	25.5	35.0	17.9	14.2	19.8	21.6	25.2
	Zinc	mg/Kg	10000 (d)	45.4	34.2	15.7	25.5	18.1	13.3	39.3	39.5	52.2	32.8	156	34	68.0	13.2	13.0	19.3	35.3	41.9
WET CHEMISTRY																					
	% Solids	%	NA (d)	85.9	85.6	81.8	89.1	81.7	83.7	84.5			87.2								
	Chromium +6	mg/Kg	(d)																		
	Cyanide	mg/Kg	27 (d)	0.24	0.43	2.05	0.9	0.055 U	0.053 U	4.4			0.22								
TCLP METALS																					
	Arsenic	mg/L	NA (d)																		
	Barium	mg/L	NA (d)																		
	Cadmium	mg/L	NA (d)																		
	Chromium	mg/L	NA (d)																		
	Copper	mg/L	NA (d)																		
	Lead	mg/L	NA (d)																		
	Mercury	mg/L	NA (d)																		
	Nickel	mg/L	NA (d)																		
	Selenium	mg/L	NA (d)																		
	Silver	mg/L	NA (d)																		
	Zinc	mg/L	NA (d)																		

(d) NYSDEC 375 REST RES. Limits

Abbreviation:
NA = Not available, no value specified in NYSDEC 375 REST RES. Limits

Double "E" Plating Co. DBA Hygrade Polishing Plating
Hazardous Soil

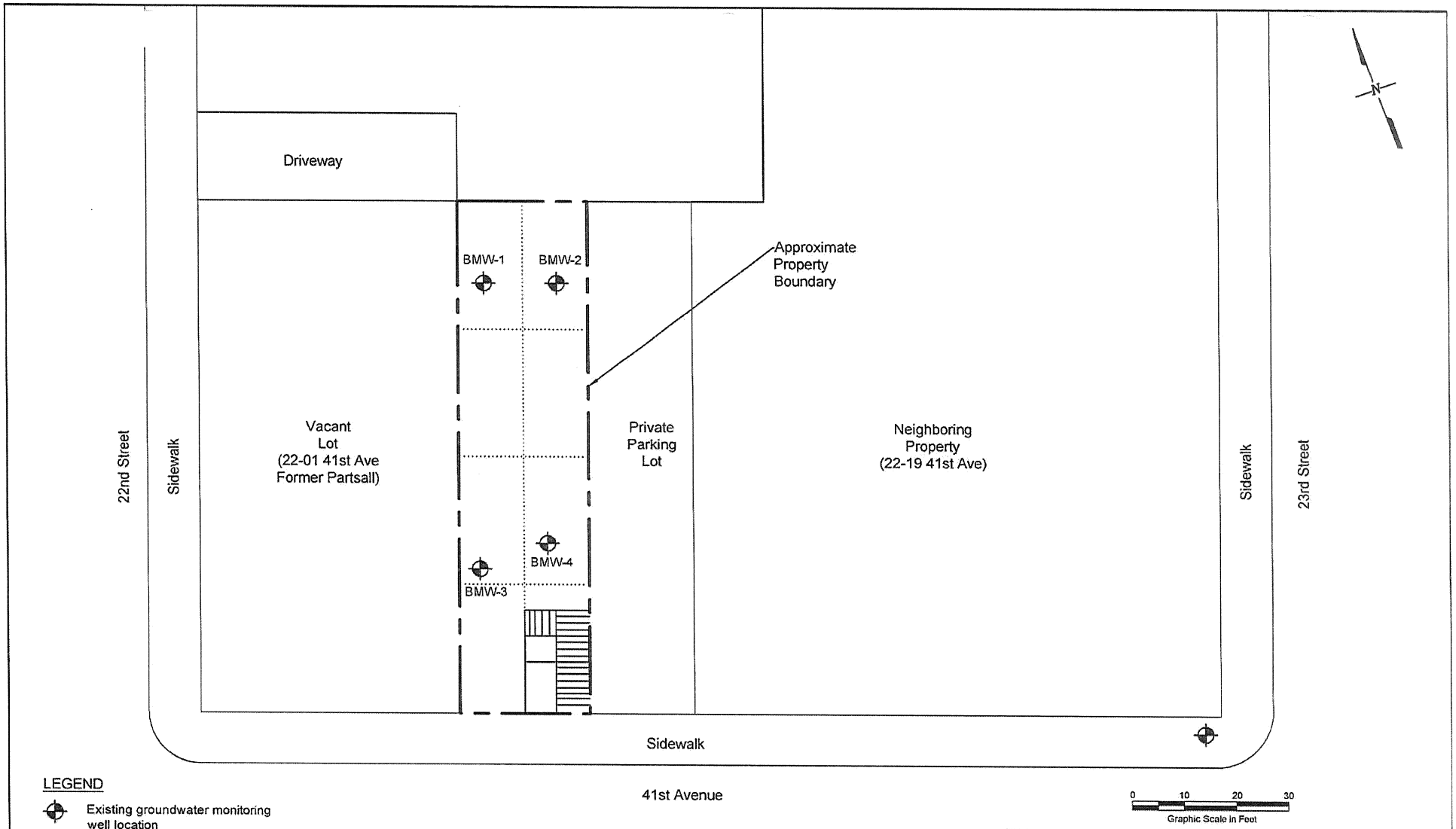
Date	Tons	Manifest Number
11/11/2013	16.8	011989857JJK
11/11/2013	19.04	011979858JJK
11/14/2013	19.15	011979860JJK
11/29/2013	17.88	011979862JJK
1/26/2013	19.02	011979859JJK
11/26/2013	15.01	011979861JJK
12/3/2013	15.64	011979864JJK
12/10/2013	16.47	011979863JJK
12/11/2013	15.68	011979908JJK
12/12/2013	15.65	011979909JJK
12/13/2013	15.02	011979911JJK
12/19/2013	16.33	011979910JJK
12/23/2013	8.84	011979913JJK
1/8/2014	8.87	011979914JJK
1/8/2014	8.69	011979915JJK
1/9/2014	8.56	011979916JJK
1/9/2014	11.04	011979917JJK
1/14/2014	17.66	011979952JJK
1/23/2014	14.39	011979953JJK
1/23/2014	14.58	011979954JJK
1/24/2014	13.5	011979955JJK
1/24/2014	15.29	011979956JJK
2/4/2014	16.19	011979957JJK
2/4/2014	17.57	011979958JJK

24 loads-356.87 tons

Double "E" Plating Co. DBA Hygrade Polishing Plating
Non-Hazardous Soil

Date	Tons	Manifest Number
11/11/2013	16.81	38812
12/4/2013	19.98	38813
12/19/2013	22.61	1209-5
12/23/2013	16.84	1209-4
1/24/2014	14.54	0114-1
1/27/2014	15.35	0114-3
1/27/2014	11.09	0114-2
1/28/2014	14.7	0114-5
1/28/2014	15.25	0114-6
1/28/2014	14.54	0114-4
2/5/2014	17.61	0114-7
2/6/2014	16.65	0114-8
2/11/2014	15.19	0114-9
2/18/2014	13.26	0114-10

14 loads-224.42 tons



Innovative Recycling Tech, Inc.

690 North Queens Ave., Lindenhurst, NY 11757

TITLE: Groundwater Sampling Locations		DATE: 3/25/2014
		SCALE: As Shown
FIGURE: 2	Former Hygrade Plating 22-07 41st Ave Long Island City, NY	DRAWN BY: J.T.C./T.R.B.
DRAWING NO: 2014-2		APPR. BY: E.A.W.

H:\Drawings\Stalingrad Ventures\2014-2

Results of Initial Basement Groundwater Samples Compared to NYS Groundwater Standards
Former Hygrade Polishing and Plating
Long Island City, NY

			Client SampleID:	BMW-1		BMW-2		BMW-3		BMW-4	
			Sampling Date:	2/19/2014		2/19/2014		2/19/2014		2/19/2014	
VOC	Analyte	Units	Limits		Q		Q		Q		Q
	1,1,1,2-Tetrachloroethane	ug/L	5 (23)	0.22	U	0.22	U	0.22	U	0.22	U
	1,1,1-Trichloroethane	ug/L	5 (23)	0.34	U	0.34	U	0.34	U	0.34	U
	1,1,2,2-Tetrachloroethane	ug/L	5 (23)	0.25	U	0.25	U	0.25	U	0.25	U
	1,1,2-Trichloroethane	ug/L	1 (23)	0.28	U	0.28	U	0.28	U	0.28	U
	1,1,2-Trichlorotrifluoroethane	ug/L	NA (23)	0.58	U	0.58	U	0.58	U	0.58	U
	1,1-Dichloroethane	ug/L	5 (23)	1.82	J	0.68	J	0.27	U	0.27	U
	1,1-Dichloroethene	ug/L	5 (23)	0.28	U	0.69	J	13.4		1.61	J
	1,1-Dichloropropene	ug/L	1 (23)	0.47	U	0.47	U	0.47	U	0.47	U
	1,2,3-Trichlorobenzene	ug/L	5 (23)	0.38	U	0.38	U	0.38	U	0.38	U
	1,2,3-Trichloropropane	ug/L	5 (23)	0.21	U	0.21	U	0.21	U	0.21	U
	1,2,4,5-Tetramethylbenzene	ug/L	5 (23)	0.22	U	0.22	U	0.22	U	0.22	U
	1,2,4-Trichlorobenzene	ug/L	5 (23)	0.23	U	0.23	U	0.23	U	0.23	U
	1,2,4-Trimethylbenzene	ug/L	NA (23)	0.23	U	0.23	U	1.7	J	0.23	U
	1,2-Dibromo-3-chloropropane	ug/L	5 (23)	0.55	U	0.55	U	0.55	U	0.55	U
	1,2-Dibromoethane	ug/L	NA (23)	0.23	U	0.23	U	0.23	U	0.23	U
	1,2-Dichlorobenzene	ug/L	3 (23)	0.15	U	0.15	U	0.15	U	0.15	U
	1,2-Dichloroethane	ug/L	0.6 (23)	0.3	U	0.3	U	0.3	U	0.3	U
	1,2-Dichloropropane	ug/L	5 (23)	0.36	U	0.36	U	0.36	U	0.36	U
	1,3,5-Trimethylbenzene	ug/L	5 (23)	0.2	U	0.2	U	0.2	U	0.2	U
	1,3-Dichlorobenzene	ug/L	3 (23)	0.26	U	0.26	U	0.26	U	0.26	U
	1,3-Dichloropropane	ug/L	5 (23)	0.39	U	0.39	U	0.39	U	0.39	U
	1,4-Dichlorobenzene	ug/L	3 (23)	0.27	U	0.27	U	0.27	U	0.27	U
	2,2-Dichloropropane	ug/L	5 (23)	0.35	U	0.35	U	0.35	U	0.35	U
	2-Butanone	ug/L	NA (23)	1.37	U	1.37	U	1.37	U	1.37	U
	2-Chloroethylvinylether	ug/L	NA (23)	1.15	U	1.15	U	1.15	U	1.15	U
	2-Chlorotoluene	ug/L	NA (23)	0.26	U	0.26	U	0.26	U	0.26	U
	2-Hexanone	ug/L	NA (23)	2.54	U	2.54	U	2.54	U	2.54	U
	4-Chlorotoluene	ug/L	NA (23)	0.26	U	0.26	U	0.26	U	0.26	U
	4-Isopropyltoluene	ug/L	5 (23)	0.29	U	0.29	U	0.29	U	0.29	U
	4-Methyl-2-pentanone	ug/L	NA (23)	3.94	U	3.94	U	3.94	U	3.94	U
	Acetone	ug/L	50 (23)	1.18	U	1.18	U	1.18	U	1.18	U
	Acrylonitrile	ug/L	NA (23)	1.97	U	1.97	U	1.97	U	1.97	U
	Benzene	ug/L	1 (23)	0.3	U	0.3	U	79.9		1.28	J
	Bromobenzene	ug/L	5 (23)	0.28	U	0.28	U	0.28	U	0.28	U
	Bromochloromethane	ug/L	NA (23)	0.28	U	0.28	U	0.28	U	0.28	U
	Bromoform	ug/L	50 (23)	0.22	U	0.22	U	0.22	U	0.22	U
	Bromomethane	ug/L	5 (23)	0.34	U	0.34	U	0.34	U	0.34	U
	c-1,2-Dichloroethene	ug/L	5 (23)	27.7		16.3		4150	E	33.7	
	c-1,3-Dichloropropene	ug/L	0.4 (23)	0.33	U	0.33	U	0.33	U	0.33	U
	Carbon disulfide	ug/L	NA (23)	0.34	U	0.34	U	0.34	U	0.34	U
	Carbon Tetrachloride	ug/L	5 (23)	0.28	U	0.28	U	0.28	U	0.28	U
	Chlorobenzene	ug/L	5 (23)	0.24	U	0.24	U	0.24	U	0.24	U
	Chloroethane	ug/L	5 (23)	0.86	U	0.86	U	0.86	U	0.86	U
	Chloroform	ug/L	7 (23)	1.64	J	1.59	J	26.7		1.04	J
	Chloromethane	ug/L	NA (23)	0.5	U	0.5	U	0.5	U	0.5	U
	Dibromochloromethane	ug/L	50 (23)	0.21	U	0.21	U	0.21	U	0.21	U
	Dibromomethane	ug/L	5 (23)	0.37	U	0.37	U	0.37	U	0.37	U
	Dichlorodifluoromethane	ug/L	NA (23)	0.37	U	0.37	U	0.37	U	0.37	U
	Ethylbenzene	ug/L	5 (23)	0.27	U	0.27	U	0.87	J	0.27	U
	Hexachlorobutadiene	ug/L	0.5 (23)	0.32	U	0.32	U	0.32	U	0.32	U
	Isopropylbenzene	ug/L	5 (23)	0.29	U	0.29	U	0.29	U	0.29	U
	m,p-xylene	ug/L	5 (23)	0.74	U	0.74	U	3.29	J	0.74	U
	Methyl t-butyl ether	ug/L	10 (23)	1.15	J	1.2	J	0.17	U	0.17	U
	Methylene Chloride	ug/L	5 (23)	0.23	U	0.23	U	0.23	U	0.23	U
	Naphthalene	ug/L	10 (23)	0.12	U	0.12	U	0.12	U	0.12	U
	n-Butylbenzene	ug/L	5 (23)	0.34	U	0.34	U	0.34	U	0.34	U
	n-Propylbenzene	ug/L	5 (23)	0.25	U	0.25	U	0.25	U	0.25	U
	o-xylene	ug/L	5 (23)	0.32	U	0.32	U	3.07	J	0.32	U
	p-Diethylbenzene	ug/L	NA (23)	0.25	U	0.25	U	0.25	U	0.25	U
	p-Ethyltoluene	ug/L	NA (23)	0.31	U	0.31	U	0.31	U	0.31	U
	sec-Butylbenzene	ug/L	5 (23)	0.23	U	0.23	U	0.23	U	0.23	U
	Styrene	ug/L	5 (23)	0.2	U	0.2	U	0.2	U	0.2	U
	t-1,2-Dichloroethene	ug/L	5 (23)	2.11	J	1.46	J	29.6		1.2	J
	t-1,3-Dichloropropene	ug/L	NA (23)	0.26	U	0.26	U	0.26	U	0.26	U
	TAME	ug/L	NA (23)	0.27	U	0.27	U	0.27	U	0.27	U
	tert-Butylbenzene	ug/L	5 (23)	0.24	U	0.24	U	0.24	U	0.24	U
	Tertiary butyl alcohol	ug/L	NA (23)	5.68	U	5.68	U	5.68	U	5.68	U
	Tetrachloroethene	ug/L	5 (23)	3.74	J	6.56		11900	E	464	E
	Toluene	ug/L	5 (23)	0.34	U	0.34	U	9.54		0.34	U
	Trichloroethene	ug/L	5 (23)	10.1		12.7		2600	E	56.9	
	Trichlorofluoromethane	ug/L	5 (23)	0.38	U	0.38	U	0.38	U	0.38	U
	Vinyl Chloride	ug/L	5 (23)	0.71	U	0.71	U	1070	E	6.96	

(23) TOGs GW

Abbreviation:
NA = Not available, no value specified in TOGs GW Limits
U = Analyte not detected
J = Value is an estimate
E = The concentration of the analyte exceeds the calibration range of the instrument

Results of Initial Basement Groundwater Samples Compared to NYS Groundwater Standards
Former Hygrade Polishing and Plating
Long Island City, NY

			Client SampleID:	BMW-1		BMW-2		BMW-3		BMW-4	
			Sampling Date:	2/19/2014		2/19/2014		2/19/2014		2/19/2014	
SVOC	Analyte	Units	Limits		Q		Q		Q		Q
	1,2,4-Trichlorobenzene	ug/L	5 (23)	0.64	U	0.64	U	0.64	U	0.64	U
	1,2-Dichlorobenzene	ug/L	3 (23)	0.65	U	0.65	U	0.65	U	0.65	U
	1,2-Diphenylhydrazine	ug/L	NA (23)	1.02	U	1.02	U	1.02	U	1.02	U
	1,3-Dichlorobenzene	ug/L	3 (23)	0.68	U	0.68	U	0.68	U	0.68	U
	1,4-Dichlorobenzene	ug/L	3 (23)	0.73	U	0.73	U	0.73	U	0.73	U
	2,3,4,6-Tetrachlorophenol	ug/L	NA (23)	0.72	U	0.72	U	0.72	U	0.72	U
	2,4,5-Trichlorophenol	ug/L	NA (23)	0.52	U	0.52	U	0.52	U	0.52	U
	2,4,6-Trichlorophenol	ug/L	NA (23)	0.84	U	0.84	U	0.84	U	0.84	U
	2,4-Dichlorophenol	ug/L	5 (23)	0.72	U	0.72	U	0.72	U	0.72	U
	2,4-Dimethylphenol	ug/L	50 (23)	0.9	U	0.9	U	0.9	U	0.9	U
	2,4-Dinitrophenol	ug/L	10 (23)	1.61	U	1.61	U	1.61	U	1.61	U
	2,4-Dinitrotoluene	ug/L	5 (23)	0.75	U	0.75	U	0.75	U	0.75	U
	2,6-Dinitrotoluene	ug/L	5 (23)	0.99	U	0.99	U	0.99	U	0.99	U
	2-Chloronaphthalene	ug/L	10 (23)	0.8	U	0.8	U	0.8	U	0.8	U
	2-Chlorophenol	ug/L	NA (23)	0.64	U	0.64	U	0.64	U	0.64	U
	2-Methylnaphthalene	ug/L	NA (23)	0.74	U	0.74	U	0.74	U	0.74	U
	2-Methylphenol	ug/L	NA (23)	7.72		0.46	U	0.46	U	0.46	U
	2-Nitroaniline	ug/L	5 (23)	0.49	U	0.49	U	0.49	U	0.49	U
	2-Nitrophenol	ug/L	NA (23)	0.62	U	0.62	U	0.62	U	0.62	U
	3,3'-Dichlorobenzidine	ug/L	NA (23)	1.33	U	1.33	U	1.33	U	1.33	U
	3+4-Methylphenol	ug/L	1 (23)	16.1		0.31	U	0.31	U	0.31	U
	3-Nitroaniline	ug/L	5 (23)	0.34	U	0.34	U	0.34	U	0.34	U
	4,6-Dinitro-2-methylphenol	ug/L	NA (23)	0.47	U	0.47	U	0.47	U	0.47	U
	4-Bromophenyl phenyl ether	ug/L	NA (23)	1.01	U	1.01	U	1.01	U	1.01	U
	4-Chloro-3-methylphenol	ug/L	NA (23)	0.73	U	0.73	U	0.73	U	0.73	U
	4-Chloroaniline	ug/L	NA (23)	0.42	U	0.42	U	0.42	U	0.42	U
	4-Chlorophenyl phenyl ether	ug/L	NA (23)	0.86	U	0.86	U	0.86	U	0.86	U
	4-Nitroaniline	ug/L	5 (23)	0.52	U	0.52	U	0.52	U	0.52	U
	4-Nitrophenol	ug/L	NA (23)	1.61	U	1.61	U	1.61	U	1.61	U
	Acenaphthene	ug/L	20 (23)	0.77	U	0.77	U	0.77	U	0.77	U
	Acenaphthylene	ug/L	NA (23)	0.74	U	0.74	U	0.74	U	0.74	U
	Aniline	ug/L	NA (23)	0.46	U	0.46	U	0.46	U	0.46	U
	Anthracene	ug/L	50 (23)	0.88	U	0.88	U	0.88	U	0.88	U
	Benzidine	ug/L	NA (23)	48.2	U	48.2	U	48.2	U	48.2	U
	Benzo(a)anthracene	ug/L	0.002 (23)	0.96	U	0.96	U	0.96	U	0.96	U
	Benzo(a)pyrene	ug/L	NA (23)	0.82	U	0.82	U	0.82	U	0.82	U
	Benzo(b)fluoranthene	ug/L	0.002 (23)	0.85	U	0.85	U	0.85	U	0.85	U
	Benzo(k)fluoranthene	ug/L	0.002 (23)	1	U	1	U	1	U	1	U
	Benzyl alcohol	ug/L	NA (23)	0.41	U	0.41	U	0.41	U	0.41	U
	bis(2-Chloroethyl)ether	ug/L	NA (23)	0.57	U	0.57	U	0.57	U	0.57	U
	bis(2-Ethylhexyl)phthalate	ug/L	5 (23)	1.26	U	1.26	U	1.26	U	1.26	U
	Carbazole	ug/L	NA (23)	1.99	U	1.99	U	1.99	U	1.99	U
	Cresols	ug/L	NA (23)	23.8		0.77	U	0.77	U	0.77	U
	Dibenzofuran	ug/L	NA (23)	0.62	U	0.62	U	0.62	U	0.62	U
	Dimethyl phthalate	ug/L	NA (23)	0.78	U	0.78	U	0.78	U	0.78	U
	Di-n-octyl phthalate	ug/L	50 (23)	1.28	U	1.28	U	1.28	U	1.28	U
	Fluorene	ug/L	50 (23)	0.82	U	0.82	U	0.82	U	0.82	U
	Hexachlorobutadiene	ug/L	0.5 (23)	0.78	U	0.78	U	0.78	U	0.78	U
	Hexachlorocyclopentadiene	ug/L	5 (23)	0.21	U	0.21	U	0.21	U	0.21	U
	Hexachloroethane	ug/L	5 (23)	0.69	U	0.69	U	0.69	U	0.69	U
	Indeno(1,2,3-cd)pyrene	ug/L	0.002 (23)	0.9	U	0.9	U	0.9	U	0.9	U
	Isophorone	ug/L	50 (23)	0.69	U	0.69	U	0.69	U	0.69	U
	Naphthalene	ug/L	10 (23)	0.78	U	0.78	U	0.78	U	0.78	U
	Nitrobenzene	ug/L	0.4 (23)	0.71	U	0.71	U	0.71	U	0.71	U
	N-Nitrosodimethylamine	ug/L	NA (23)	0.24	U	0.24	U	0.24	U	0.24	U
	N-Nitrosodi-n-propylamine	ug/L	NA (23)	0.57	U	0.57	U	0.57	U	0.57	U
	N-Nitrosodiphenylamine	ug/L	NA (23)	1.09	U	1.09	U	1.09	U	1.09	U
	Pentachlorophenol	ug/L	NA (23)	0.65	U	0.65	U	0.65	U	0.65	U
	Phenanthrene	ug/L	50 (23)	0.95	U	0.95	U	0.95	U	0.95	U
	Phenol	ug/L	NA (23)	0.33	U	0.33	U	0.33	U	0.33	U
	Pyrene	ug/L	50 (23)	0.85	U	0.85	U	0.85	U	0.85	U
	Pyridine	ug/L	50 (23)	0.37	U	0.37	U	0.37	U	0.37	U

(23) TOGs GW

Abbreviation:
NA = Not available, no value specified in TOGs GW Limits
U = Analyte not detected

Results of Initial Basement Groundwater Samples Compared to NYS Groundwater Standards
Former Hygrade Polishing and Plating
Long Island City, NY

	Analyte	Units	Client SampleID: Sampling Date: Limits	BMW-1 2/19/2014	Q	BMW-2 2/19/2014	Q	BMW-3 2/19/2014	Q	BMW-4 2/19/2014	Q
PESTICIDES											
	4,4'-DDD	ug/L	NA (23)	0.0013	U	0.0013	U	0.0013	U	0.0013	U
	4,4'-DDE	ug/L	NA (23)	0.0015	U	0.0015	U	0.0015	U	0.0015	U
	4,4'-DDT	ug/L	NA (23)	0.0014	U	0.0014	U	0.0014	U	0.0014	U
	Aldrin	ug/L	NA (23)	0.0011	U	0.0011	U	0.0011	U	0.0011	U
	alpha-BHC	ug/L	0.01 (23)	0.00092	U	0.00092	U	0.00092	U	0.00092	U
	alpha-Chlordane	ug/L	NA (23)	0.0012	U	0.0012	U	0.0012	U	0.0012	U
	beta-BHC	ug/L	0.04 (23)	0.0015	U	0.0015	U	0.0015	U	0.0015	U
	Chlordane	ug/L	0.05 (23)	0.12	U	0.12	U	0.12	U	0.12	U
	delta-BHC	ug/L	0.04 (23)	0.0013	U	0.0013	U	0.0013	U	0.0013	U
	Dieldrin	ug/L	0.004 (23)	0.0011	U	0.0011	U	0.0011	U	0.0011	U
	Endosulfan I	ug/L	NA (23)	0.0013	U	0.0013	U	0.0013	U	0.0013	U
	Endosulfan II	ug/L	NA (23)	0.0015	U	0.0015	U	0.0015	U	0.0015	U
	Endosulfan sulfate	ug/L	NA (23)	0.0014	U	0.0014	U	0.0014	U	0.0014	U
	Endrin	ug/L	NA (23)	0.0014	U	0.0014	U	0.0014	U	0.0014	U
	Endrin Aldehyde	ug/L	5 (23)	0.001	U	0.001	U	0.001	U	0.001	U
	Endrin ketone	ug/L	NA (23)	0.0014	U	0.0014	U	0.0014	U	0.0014	U
	gamma-BHC (Lindane)	ug/L	NA (23)	0.00089	U	0.00089	U	0.00089	U	0.00089	U
	gamma-Chlordane	ug/L	NA (23)	0.0013	U	0.0013	U	0.0013	U	0.0013	U
	Heptachlor	ug/L	NA (23)	0.0012	U	0.0012	U	0.0012	U	0.0012	U
	Heptachlor epoxide	ug/L	NA (23)	0.0013	U	0.0013	U	0.0013	U	0.0013	U
	Methoxychlor	ug/L	NA (23)	0.0014	U	0.0014	U	0.0014	U	0.0014	U
	Toxaphene	ug/L	NA (23)	0.39	U	0.39	U	0.39	U	0.39	U
PCBS											
	PCB 1016	ppb	NA (23)	0.074	U	0.074	U	0.074	U	0.074	U
	PCB 1221	ppb	NA (23)	0.09	U	0.09	U	0.09	U	0.09	U
	PCB 1232	ppb	NA (23)	0.09	U	0.09	U	0.09	U	0.09	U
	PCB 1242	ppb	NA (23)	0.09	U	0.09	U	0.09	U	0.09	U
	PCB 1248	ppb	NA (23)	0.09	U	0.09	U	0.09	U	0.09	U
	PCB 1254	ppb	NA (23)	0.09	U	0.09	U	0.09	U	0.09	U
	PCB 1260	ppb	NA (23)	0.1	U	0.1	U	0.1	U	0.1	U
	PCB 1262	ppb	(23)	0.1	U	0.1	U	0.1	U	0.1	U
	PCB 1268	ppb	(23)	0.1	U	0.1	U	0.1	U	0.1	U
TOTAL METALS											
	Cadmium	mg/L	0.005 (23)	0.0039		0.025		0.0006		0.0008	
	Chromium	mg/L	0.05 (23)	1		2.38		0.057		0.093	
	Copper	mg/L	0.2 (23)	0.015		0.0045		0.049		0.047	
	Lead	mg/L	0.025 (23)	0.011		0.0074		0.023		0.026	
	Mercury	mg/L	0.0007 (23)	1.30E-04		0.0001		0.00033		0.00052	
	Nickel	mg/L	0.1 (23)	0.12		0.24		0.15		0.052	
	Silver	mg/L	0.05 (23)	0.008		0.04		0.00066	U	0.00066	U
	Zinc	mg/L	2 (23)	0.17		0.15		0.093		0.087	
DISSOLVED METALS											
	Cadmium	mg/L	0.005 (23)	0.0019		0.015		0.0004	U	0.0004	U
	Chromium	mg/L	0.05 (23)	0.24		1.1		0.0071		0.012	
	Copper	mg/L	0.2 (23)	0.03		0.056		0.012		0.013	
	Lead	mg/L	0.025 (23)	0.017		0.02		0.011		0.0076	
	Mercury	mg/L	0.0007 (23)	3.20E-05		3.30E-05		0.00011		0.00014	
	Nickel	mg/L	0.1 (23)	0.067		0.18		0.43		0.045	
	Silver	mg/L	0.05 (23)	0.01		0.0009		0.00066	U	0.00066	U
	Zinc	mg/L	2 (23)	0.055		0.089		0.12		0.14	
WET CHEMISTRY											
	Chromium +6	mg/L	0.05 (23)	1.02		2.41		0.011	U	0.011	U
	Cyanide	mg/L	NA (23)	0.079		0.065		0.026		0.034	
	Dissolved Chromium +6	mg/L	0.05 (23)	0.9		2.21		0.011	U	0.011	U

(23) TOGs GW

Abbreviation:
NA = Not available, no value specified in TOGs GW Limits
U = Analyte not detected

Results of Second Round Basement Groundwater Samples Compared to NYS Groundwater Standards
Former Hygrade Polishing and Plating
Long Island City, NY

			SampleID:	BMW-1	BMW-2	BMW-3	BMW-4
			Sampling Date:	3/27/2014	3/27/2014	3/27/2014	3/27/2014
VOC	Analyte	Units	Limits	Q	Q	Q	Q
	1,1,1,2-Tetrachloroethane	ug/L	5 (23)	0.22 U	0.22 U	0.22 U	0.22 U
	1,1,1-Trichloroethane	ug/L	5 (23)	0.34 U	0.34 U	0.34 U	0.34 U
	1,1,2,2-Tetrachloroethane	ug/L	5 (23)	0.25 U	0.25 U	0.25 U	0.25 U
	1,1,2-Trichloroethane	ug/L	1 (23)	0.28 U	0.28 U	0.28 U	0.28 U
	1,1,2-Trichlorotrifluoroethane	ug/L	NA (23)	0.58 U	0.58 U	0.58 U	0.58 U
	1,1-Dichloroethane	ug/L	5 (23)	0.69 J	0.27 U	0.27 U	0.27 U
	1,1-Dichloroethene	ug/L	5 (23)	0.28 U	0.28 U	6.47	1.24 J
	1,1-Dichloropropene	ug/L	1 (23)	0.47 U	0.47 U	0.47 U	0.47 U
	1,2,3-Trichlorobenzene	ug/L	5 (23)	0.38 U	0.38 U	0.38 U	0.38 U
	1,2,3-Trichloropropane	ug/L	5 (23)	0.21 U	0.21 U	0.21 U	0.21 U
	1,2,4,5-Tetramethylbenzene	ug/L	5 (23)	0.22 U	0.22 U	0.22 U	0.22 U
	1,2,4-Trichlorobenzene	ug/L	5 (23)	0.23 U	0.23 U	0.23 U	0.23 U
	1,2,4-Trimethylbenzene	ug/L	NA (23)	0.23 U	1.26 J	1.44 J	0.23 U
	1,2-Dibromo-3-chloropropane	ug/L	5 (23)	0.55 U	0.55 U	0.55 U	0.55 U
	1,2-Dibromoethane	ug/L	NA (23)	0.23 U	0.23 U	0.23 U	0.23 U
	1,2-Dichlorobenzene	ug/L	3 (23)	0.15 U	0.15 U	0.15 U	0.15 U
	1,2-Dichloroethane	ug/L	0.6 (23)	0.3 U	0.3 U	0.3 U	0.3 U
	1,2-Dichloropropane	ug/L	5 (23)	0.36 U	0.36 U	0.36 U	0.36 U
	1,3,5-Trimethylbenzene	ug/L	5 (23)	0.2 U	0.2 U	0.2 U	0.2 U
	1,3-Dichlorobenzene	ug/L	3 (23)	0.26 U	0.26 U	0.26 U	0.26 U
	1,3-Dichloropropane	ug/L	5 (23)	0.39 U	0.39 U	0.39 U	0.39 U
	1,4-Dichlorobenzene	ug/L	3 (23)	0.27 U	0.27 U	0.27 U	0.27 U
	2,2-Dichloropropane	ug/L	5 (23)	0.35 U	0.35 U	0.35 U	0.35 U
	2-Butanone	ug/L	NA (23)	1.37 U	1.37 U	1.37 U	1.37 U
	2-Chloroethylvinylether	ug/L	NA (23)	1.15 U	1.15 U	1.15 U	1.15 U
	2-Chlorotoluene	ug/L	NA (23)	0.26 U	0.26 U	0.26 U	0.26 U
	2-Hexanone	ug/L	NA (23)	2.54 U	2.54 U	2.54 U	2.54 U
	4-Chlorotoluene	ug/L	NA (23)	0.26 U	0.26 U	0.26 U	0.26 U
	4-Isopropyltoluene	ug/L	5 (23)	0.29 U	0.29 U	0.29 U	0.29 U
	4-Methyl-2-pentanone	ug/L	NA (23)	3.94 U	3.94 U	3.94 U	3.94 U
	Acetone	ug/L	50 (23)	1.18 U	1.18 U	1.18 U	1.18 U
	Acrylonitrile	ug/L	NA (23)	1.97 U	1.97 U	1.97 U	1.97 U
	Benzene	ug/L	1 (23)	0.3 U	0.3 U	49.5	1.2 J
	Bromobenzene	ug/L	5 (23)	0.28 U	0.28 U	0.28 U	0.28 U
	Bromochloromethane	ug/L	NA (23)	0.28 U	0.28 U	0.28 U	0.28 U
	Bromodichloromethane	ug/L	5 (23)	0.23 U	0.23 U	0.23 U	0.23 U
	Bromoform	ug/L	50 (23)	0.22 U	0.22 U	0.22 U	0.22 U
	Bromomethane	ug/L	5 (23)	0.34 U	0.34 U	0.34 U	0.34 U
	c-1,2-Dichloroethene	ug/L	5 (23)	11.7	8.01	2730	26.7
	c-1,3-Dichloropropene	ug/L	0.4 (23)	0.33 U	0.33 U	0.33 U	0.33 U
	Carbon disulfide	ug/L	NA (23)	0.34 U	0.34 U	0.34 U	0.34 U
	Carbon Tetrachloride	ug/L	5 (23)	0.28 U	0.28 U	2.11 J	1.15 J
	Chlorobenzene	ug/L	5 (23)	0.24 U	0.24 U	0.24 U	0.24 U
	Chloroethane	ug/L	5 (23)	0.86 U	0.86 U	0.86 U	0.86 U
	Chloroform	ug/L	7 (23)	1.48 J	1.32 J	13.9	0.77 J
	Chloromethane	ug/L	NA (23)	0.5 U	0.5 U	0.5 U	0.5 U
	Dibromochloromethane	ug/L	50 (23)	0.21 U	0.21 U	0.21 U	0.21 U
	Dibromomethane	ug/L	5 (23)	0.37 U	0.37 U	0.37 U	0.37 U
	Dichlorodifluoromethane	ug/L	NA (23)	0.37 U	0.37 U	0.37 U	0.37 U
	Ethylbenzene	ug/L	5 (23)	0.27 U	0.27 U	0.27 U	0.27 U
	Hexachlorobutadiene	ug/L	0.5 (23)	0.32 U	0.32 U	0.32 U	0.32 U
	Isopropylbenzene	ug/L	5 (23)	0.29 U	0.29 U	0.29 U	0.29 U
	m,p-xylene	ug/L	5 (23)	0.74 U	0.74 U	1.57 J	0.74 U
	Methyl t-butyl ether	ug/L	10 (23)	0.74 J	0.71 J	0.17 U	0.17 U
	Methylene Chloride	ug/L	5 (23)	0.23 U	0.23 U	0.23 U	0.23 U
	Naphthalene	ug/L	10 (23)	0.12 U	0.12 U	0.12 U	0.12 U
	n-Butylbenzene	ug/L	5 (23)	0.34 U	0.34 U	0.34 U	0.34 U
	n-Propylbenzene	ug/L	5 (23)	0.25 U	0.25 U	0.25 U	0.25 U
	o-xylene	ug/L	5 (23)	0.32 U	0.32 U	1.94 J	0.32 U
	p-Diethylbenzene	ug/L	NA (23)	0.25 U	0.25 U	0.25 U	0.25 U
	p-Ethyltoluene	ug/L	NA (23)	0.31 U	0.31 U	0.31 U	0.31 U
	sec-Butylbenzene	ug/L	5 (23)	0.23 U	0.23 U	0.23 U	0.23 U
	Styrene	ug/L	5 (23)	0.2 U	0.2 U	0.2 U	0.2 U
	t-1,2-Dichloroethene	ug/L	5 (23)	0.76 J	0.52 J	15.4	0.77 J
	t-1,3-Dichloropropene	ug/L	NA (23)	0.26 U	0.26 U	0.26 U	0.26 U
	TAME	ug/L	NA (23)	0.27 U	0.27 U	0.27 U	0.27 U
	tert-Butylbenzene	ug/L	5 (23)	0.24 U	0.24 U	0.24 U	0.24 U
	Tertiary butyl alcohol	ug/L	NA (23)	5.68 U	5.68 U	5.68 U	5.68 U
	Tetrachloroethene	ug/L	5 (23)	18.3	4.59 J	20700 E	449
	Toluene	ug/L	5 (23)	0.78 J	1.05 J	6.1	0.92 J
	Trichloroethene	ug/L	5 (23)	5.37	5.3	910	50.5
	Trichlorofluoromethane	ug/L	5 (23)	0.38 U	0.38 U	0.38 U	0.38 U
	Vinyl Chloride	ug/L	5 (23)	0.71 U	0.71 U	818	11.2

(23) TOGs GW

Abbreviation:
NA = Not available, no value specified in TOGs GW Limits
U = Analyte not detected
J = Value is an estimate
E = The concentration of the analyte exceeds the calibration range of the instrument

Results of Second Round Basement Groundwater Samples Compared to NYS Groundwater Standards
Former Hygrade Polishing and Plating
Long Island City, NY

			SampleID:	BMW-1	BMW-2	BMW-3	BMW-4
			Sampling Date:	3/27/2014	3/27/2014	3/27/2014	3/27/2014
SVOC	Analyte	Units	Limits	Q	Q	Q	Q
	1,2,4-Trichlorobenzene	ug/L	5 (23)	0.64 U	0.64 U	0.64 U	0.64 U
	1,2-Dichlorobenzene	ug/L	3 (23)	0.65 U	0.65 U	0.65 U	0.65 U
	1,2-Diphenylhydrazine	ug/L	NA (23)	1.02 U	1.02 U	1.02 U	1.02 U
	1,3-Dichlorobenzene	ug/L	3 (23)	0.68 U	0.68 U	0.68 U	0.68 U
	1,4-Dichlorobenzene	ug/L	3 (23)	0.73 U	0.73 U	0.73 U	0.73 U
	2,3,4,6-Tetrachlorophenol	ug/L	NA (23)	0.72 U	0.72 U	0.72 U	0.72 U
	2,4,5-Trichlorophenol	ug/L	NA (23)	0.52 U	0.52 U	0.52 U	0.52 U
	2,4,6-Trichlorophenol	ug/L	NA (23)	0.84 U	0.84 U	0.84 U	0.84 U
	2,4-Dichlorophenol	ug/L	5 (23)	0.72 U	0.72 U	0.72 U	0.72 U
	2,4-Dimethylphenol	ug/L	50 (23)	0.9 U	0.9 U	0.9 U	0.9 U
	2,4-Dinitrophenol	ug/L	10 (23)	1.61 U	1.61 U	1.61 U	1.61 U
	2,4-Dinitrotoluene	ug/L	5 (23)	0.75 U	0.75 U	0.75 U	0.75 U
	2,6-Dinitrotoluene	ug/L	5 (23)	0.99 U	0.99 U	0.99 U	0.99 U
	2-Chloronaphthalene	ug/L	10 (23)	0.8 U	0.8 U	0.8 U	0.8 U
	2-Chlorophenol	ug/L	NA (23)	0.64 U	0.64 U	0.64 U	0.64 U
	2-Methylnaphthalene	ug/L	NA (23)	0.74 U	0.74 U	0.74 U	0.74 U
	2-Methylphenol	ug/L	NA (23)	0.46 U	0.46 U	0.46 U	0.46 U
	2-Nitroaniline	ug/L	5 (23)	0.49 U	0.49 U	0.49 U	0.49 U
	2-Nitrophenol	ug/L	NA (23)	0.62 U	0.62 U	0.62 U	0.62 U
	3,3'-Dichlorobenzidine	ug/L	NA (23)	1.33 U	1.33 U	1.33 U	1.33 U
	3+4-Methylphenol	ug/L	1 (23)	0.31 U	0.31 U	0.31 U	0.31 U
	3-Nitroaniline	ug/L	5 (23)	0.34 U	0.34 U	0.34 U	0.34 U
	4,6-Dinitro-2-methylphenol	ug/L	NA (23)	0.47 U	0.47 U	0.47 U	0.47 U
	4-Bromophenyl phenyl ether	ug/L	NA (23)	1.01 U	1.01 U	1.01 U	1.01 U
	4-Chloro-3-methylphenol	ug/L	NA (23)	0.73 U	0.73 U	0.73 U	0.73 U
	4-Chloroaniline	ug/L	NA (23)	0.42 U	0.42 U	0.42 U	0.42 U
	4-Chlorophenyl phenyl ether	ug/L	NA (23)	0.86 U	0.86 U	0.86 U	0.86 U
	4-Nitroaniline	ug/L	5 (23)	0.52 U	0.52 U	0.52 U	0.52 U
	4-Nitrophenol	ug/L	NA (23)	1.61 U	1.61 U	1.61 U	1.61 U
	Acenaphthene	ug/L	20 (23)	0.77 U	0.77 U	0.77 U	0.77 U
	Acenaphthylene	ug/L	NA (23)	0.74 U	0.74 U	0.74 U	0.74 U
	Aniline	ug/L	NA (23)	0.46 U	0.46 U	0.46 U	0.46 U
	Anthracene	ug/L	50 (23)	0.88 U	0.88 U	0.88 U	0.88 U
	Benzidine	ug/L	NA (23)	48.2 U	48.2 U	48.2 U	48.2 U
	Benzo(a)anthracene	ug/L	0.002 (23)	0.96 U	0.96 U	0.96 U	0.96 U
	Benzo(a)pyrene	ug/L	NA (23)	0.82 U	0.82 U	0.82 U	0.82 U
	Benzo(b)fluoranthene	ug/L	0.002 (23)	0.85 U	0.85 U	0.85 U	0.85 U
	Benzo(g,h,i)perylene	ug/L	NA (23)	0.85 U	0.85 U	0.85 U	0.85 U
	Benzo(k)fluoranthene	ug/L	0.002 (23)	1 U	1 U	1 U	1 U
	Benzoic acid	ug/L	NA (23)	10 U	10 U	10 U	10 U
	Benzyl alcohol	ug/L	NA (23)	0.41 U	0.41 U	0.41 U	0.41 U
	bis(2-Chloroethoxy)methane	ug/L	NA (23)	0.7 U	0.7 U	0.7 U	0.7 U
	bis(2-Chloroethyl)ether	ug/L	NA (23)	0.57 U	0.57 U	0.57 U	0.57 U
	bis(2-Chloroisopropyl)ether	ug/L	NA (23)	0.74 U	0.74 U	0.74 U	0.74 U
	bis(2-Ethylhexyl)phthalate	ug/L	5 (23)	1.26 U	1.26 U	1.26 U	1.26 U
	Butyl benzyl phthalate	ug/L	NA (23)	1.06 U	1.06 U	1.06 U	1.06 U
	Carbazole	ug/L	NA (23)	1.99 U	1.99 U	1.99 U	1.99 U
	Chrysene	ug/L	0.002 (23)	1 U	1 U	1 U	1 U
	Cresols	ug/L	NA (23)	0.77 U	0.77 U	0.77 U	0.77 U
	Dibenz(a,h)anthracene	ug/L	NA (23)	1 U	1 U	1 U	1 U
	Dibenzofuran	ug/L	NA (23)	0.62 U	0.62 U	0.62 U	0.62 U
	Diethyl phthalate	ug/L	NA (23)	1 U	1 U	1 U	1 U
	Dimethyl phthalate	ug/L	NA (23)	0.78 U	0.78 U	0.78 U	0.78 U
	Di-n-butyl phthalate	ug/L	50 (23)	1.08 U	1.08 U	1.08 U	1.08 U
	Di-n-octyl phthalate	ug/L	50 (23)	1.28 U	1.28 U	1.28 U	1.28 U
	Fluoranthene	ug/L	50 (23)	0.96 U	0.96 U	0.96 U	0.96 U
	Fluorene	ug/L	50 (23)	0.82 U	0.82 U	0.82 U	0.82 U
	Hexachlorobenzene	ug/L	0.04 (23)	0.86 U	0.86 U	0.86 U	0.86 U
	Hexachlorobutadiene	ug/L	0.5 (23)	0.78 U	0.78 U	0.78 U	0.78 U
	Hexachlorocyclopentadiene	ug/L	5 (23)	0.21 U	0.21 U	0.21 U	0.21 U
	Hexachloroethane	ug/L	5 (23)	0.69 U	0.69 U	0.69 U	0.69 U
	Indeno(1,2,3-cd)pyrene	ug/L	0.002 (23)	0.9 U	0.9 U	0.9 U	0.9 U
	Isophorone	ug/L	50 (23)	0.69 U	0.69 U	0.69 U	0.69 U
	Naphthalene	ug/L	10 (23)	0.78 U	0.78 U	0.78 U	0.78 U
	Nitrobenzene	ug/L	0.4 (23)	0.71 U	0.71 U	0.71 U	0.71 U
	N-Nitrosodimethylamine	ug/L	NA (23)	0.24 U	0.24 U	0.24 U	0.24 U
	N-Nitrosodi-n-propylamine	ug/L	NA (23)	0.57 U	0.57 U	0.57 U	0.57 U
	N-Nitrosodiphenylamine	ug/L	NA (23)	1.09 U	1.09 U	1.09 U	1.09 U
	Pentachlorophenol	ug/L	NA (23)	0.65 U	0.65 U	0.65 U	0.65 U
	Phenanthrene	ug/L	50 (23)	0.95 U	0.95 U	0.95 U	0.95 U
	Phenol	ug/L	NA (23)	0.33 U	0.33 U	0.33 U	0.33 U
	Pyrene	ug/L	50 (23)	0.85 U	0.85 U	0.85 U	0.85 U
	Pyridine	ug/L	50 (23)	0.37 U	0.37 U	0.37 U	0.37 U

(23) TOGs GW

Abbreviation:
NA = Not available, no value specified in TOGs GW Limits
U = Analyte not detected

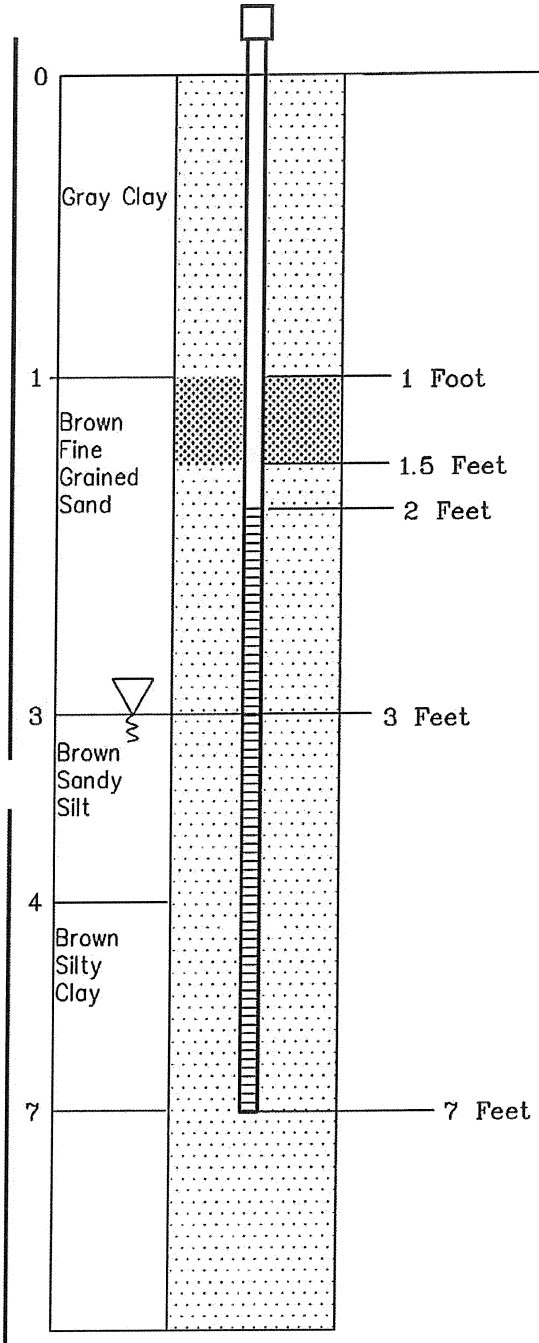
Results of Second Round Basement Groundwater Samples Compared to NYS Groundwater Standards
Former Hygrade Polishing and Plating
Long Island City, NY

	Analyte	Units	SampleID: / Sampling Date: / Limits	BMW-1 3/27/2014	Q	BMW-2 3/27/2014	Q	BMW-3 3/27/2014	Q	BMW-4 3/27/2014	Q
PESTICIDES											
	4,4'-DDD	ug/L	NA (23)	0.0013 U		0.0013 U		0.0013 U		0.0013 U	
	4,4'-DDE	ug/L	NA (23)	0.0015 U		0.0015 U		0.0015 U		0.0015 U	
	4,4'-DDT	ug/L	NA (23)	0.0014 U		0.0014 U		0.0014 U		0.0014 U	
	Aldrin	ug/L	NA (23)	0.0011 U		0.0011 U		0.0011 U		0.0011 U	
	alpha-BHC	ug/L	0.01 (23)	0.00092 U		0.00092 U		0.00092 U		0.00092 U	
	alpha-Chlordane	ug/L	NA (23)	0.0012 U		0.0012 U		0.0012 U		0.0012 U	
	beta-BHC	ug/L	0.04 (23)	0.0015 U		0.0015 U		0.0015 U		0.0015 U	
	Chlordane	ug/L	0.05 (23)	0.12 U		0.12 U		0.12 U		0.12 U	
	delta-BHC	ug/L	0.04 (23)	0.0013 U		0.0013 U		0.0013 U		0.0013 U	
	Dieldrin	ug/L	0.004 (23)	0.0011 U		0.0011 U		0.0011 U		0.0011 U	
	Endosulfan I	ug/L	NA (23)	0.0013 U		0.0013 U		0.0013 U		0.0013 U	
	Endosulfan II	ug/L	NA (23)	0.0015 U		0.0015 U		0.0015 U		0.0015 U	
	Endosulfan sulfate	ug/L	NA (23)	0.0014 U		0.0014 U		0.0014 U		0.0014 U	
	Endrin	ug/L	NA (23)	0.0014 U		0.0014 U		0.0014 U		0.0014 U	
	Endrin Aldehyde	ug/L	5 (23)	0.001 U		0.001 U		0.001 U		0.001 U	
	Endrin ketone	ug/L	NA (23)	0.0014 U		0.0014 U		0.0014 U		0.0014 U	
	gamma-BHC (Lindane)	ug/L	NA (23)	0.00089 U		0.00089 U		0.00089 U		0.00089 U	
	gamma-Chlordane	ug/L	NA (23)	0.0013 U		0.0013 U		0.0013 U		0.0013 U	
	Heptachlor	ug/L	NA (23)	0.0012 U		0.0012 U		0.0012 U		0.0012 U	
	Heptachlor epoxide	ug/L	NA (23)	0.0013 U		0.0013 U		0.0013 U		0.0013 U	
	Methoxychlor	ug/L	NA (23)	0.0014 U		0.0014 U		0.0014 U		0.0014 U	
	Toxaphene	ug/L	NA (23)	0.39 U		0.39 U		0.39 U		0.39 U	
PCBS											
	PCB 1016	ppb	NA (23)	0.074 U		0.074 U		0.074 U		0.074 U	
	PCB 1221	ppb	NA (23)	0.09 U		0.09 U		0.09 U		0.09 U	
	PCB 1232	ppb	NA (23)	0.09 U		0.09 U		0.09 U		0.09 U	
	PCB 1242	ppb	NA (23)	0.09 U		0.09 U		0.09 U		0.09 U	
	PCB 1248	ppb	NA (23)	0.09 U		0.09 U		0.09 U		0.09 U	
	PCB 1254	ppb	NA (23)	0.09 U		0.09 U		0.09 U		0.09 U	
	PCB 1260	ppb	NA (23)	0.1 U		0.1 U		0.1 U		0.1 U	
	PCB 1262	ppb	(23)	0.1 U		0.1 U		0.1 U		0.1 U	
	PCB 1268	ppb	(23)	0.1 U		0.1 U		0.1 U		0.1 U	
METALS											
	Cadmium	mg/L	0.005 (23)	0.0026		0.027		0.0005		0.0008 U	
	Calcium	mg/L	NA (23)	184		227		169		301	
	Chromium	mg/L	0.05 (23)	0.31		4.12		0.031		0.16	
	Copper	mg/L	0.2 (23)	0.049		0.087		0.024		0.11	
	Iron	mg/L	0.3 (23)	23.8		44.5		9.49		78.3	
	Lead	mg/L	0.025 (23)	0.029		0.046		0.017		0.053	
	Magnesium	mg/L	35 (23)	70.8		72.5		109		131	
	Manganese	mg/L	0.3 (23)	3.36		3.25		2.83		2.88	
	Mercury	mg/L	0.0007 (23)	7.80E-05		0.00012		0.00012		0.00019	
	Nickel	mg/L	0.1 (23)	0.15		0.39		0.6		0.13	
	Silver	mg/L	0.05 (23)	0.0013 U		0.0013 U		0.00066 U		0.0013 U	
	Zinc	mg/L	2 (23)	0.086		0.11		0.04		0.18	
DISSOLVED METALS											
	Cadmium	mg/L	0.005 (23)	0.0015		0.0096		0.0004 U		0.0004 U	
	Calcium	mg/L	NA (23)	155		179		160		212	
	Chromium	mg/L	0.05 (23)	0.15		1.69		0.0099		0.011	
	Copper	mg/L	0.2 (23)	0.0034 U		0.0083		0.015		0.0038	
	Iron	mg/L	0.3 (23)	0.09		0.085		0.081		0.064	
	Lead	mg/L	0.025 (23)	0.0046		0.009		0.011		0.0086	
	Magnesium	mg/L	35 (23)	54.6		48.7		94.8		88.8	
	Manganese	mg/L	0.3 (23)	2.53		2.04		2.6		0.99	
	Mercury	mg/L	0.0007 (23)	3.80E-05		3.90E-05		0.00014		0.00012	
	Nickel	mg/L	0.1 (23)	0.051		0.14		0.6		0.039	
	Silver	mg/L	0.05 (23)	0.00066 U		0.00066 U		0.00066 U		0.00066 U	
	Zinc	mg/L	2 (23)	0.0087		0.0074		0.018		0.0074	
WET CHEMISTRY											
	Chloride	mg/L	NA (23)	261		293		258		258	
	Chromium +6	mg/L	(23)	0.29		2.63		0.011 U		0.011 U	
	Cyanide	mg/L	NA (23)	0.029		0.032		0.038		0.043	
	Dissolved Chloride	mg/L	(23)	257		287		254		254	
	Dissolved Chromium +6	mg/L	(23)	0.19		2.12		0.011 U		0.011 U	
	Dissolved Nitrate	mg/L	(23)	4.5		17.7		30.1		20.1	
	Dissolved Sulfate	mg/L	(23)	513		516		457		500	
	Nitrate	mg/L	NA (23)	9.39		30		54.5		30.3	
	Sulfate	mg/L	NA (23)	630		549		496		631	

(23) TOGs GW

Abbreviation:
NA = Not available, no value specified in TOGs GW Limits
U = Analyte not detected

BMW-1



DRILLING SUMMARY
Drilling Company: Aarco
Borehole Diameter: 2 Inches
Drilling Method: Hand Auger
Total Depth: 8 Feet
Geologist: Thomas Brown

WELL DESIGN
Casing Material: Geoprobe Prepack
Screen Interval: 5 Feet
Slot Size: 10 Slot
Diameter: 2 Inches
Date Installed: 2/7/2014

LEGEND

Bentonite

#1 Sand Filter

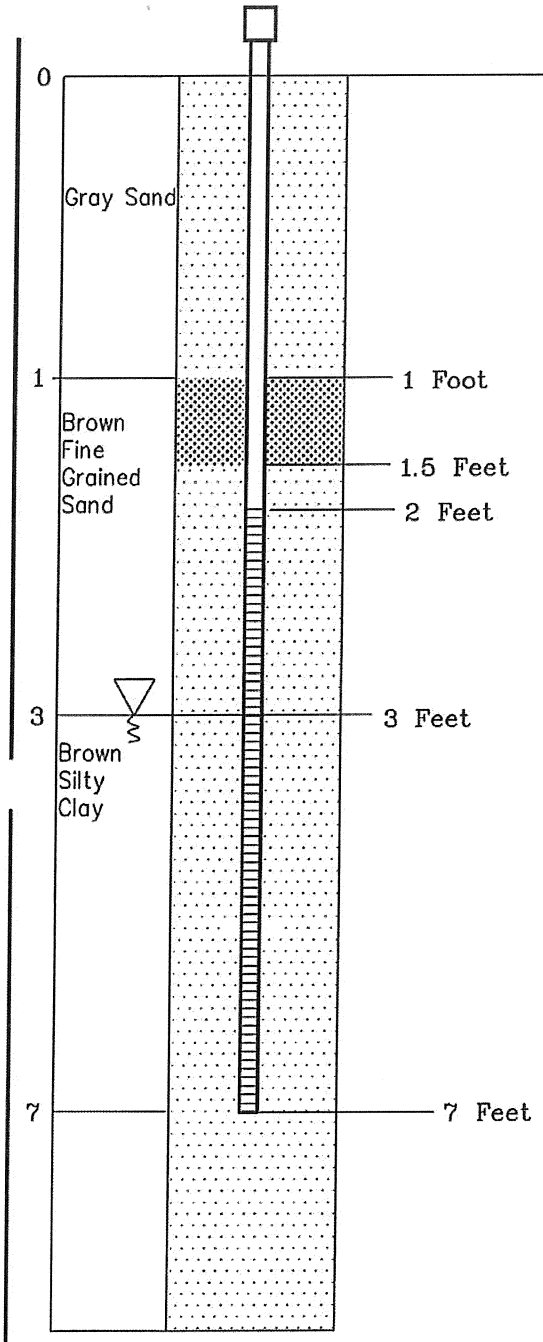
Approximate Water Table Surface

AARCO Environmental Services

50 Gear Avenue, Lindenhurst, New York

TITLE: GROUNDWATER MONITORING WELL CONSTRUCTION DETAILS FOR BMW-1		DATE: 2/11/2014
		SCALE: Not to Scale
FIGURE: 1	Former Hygrade Plating 22-07 41st Ave. Long Island City, NY	DRAWN BY: T.R.B.
DRAWING NO: 2014-3A		APPR. BY: E.A.W.

BMW-2



DRILLING SUMMARY
Drilling Company: Aarco
Borehole Diameter: 2 Inches
Drilling Method: Hand Auger
Total Depth: 8 Feet
Geologist: Thomas Brown

WELL DESIGN
Casing Material: Geoprobe Prepack
Screen Interval: 5 Feet
Slot Size: 10 Slot
Diameter: 2 Inches
Date Installed: 2/7/2014

LEGEND

Bentonite

#1 Sand Filter

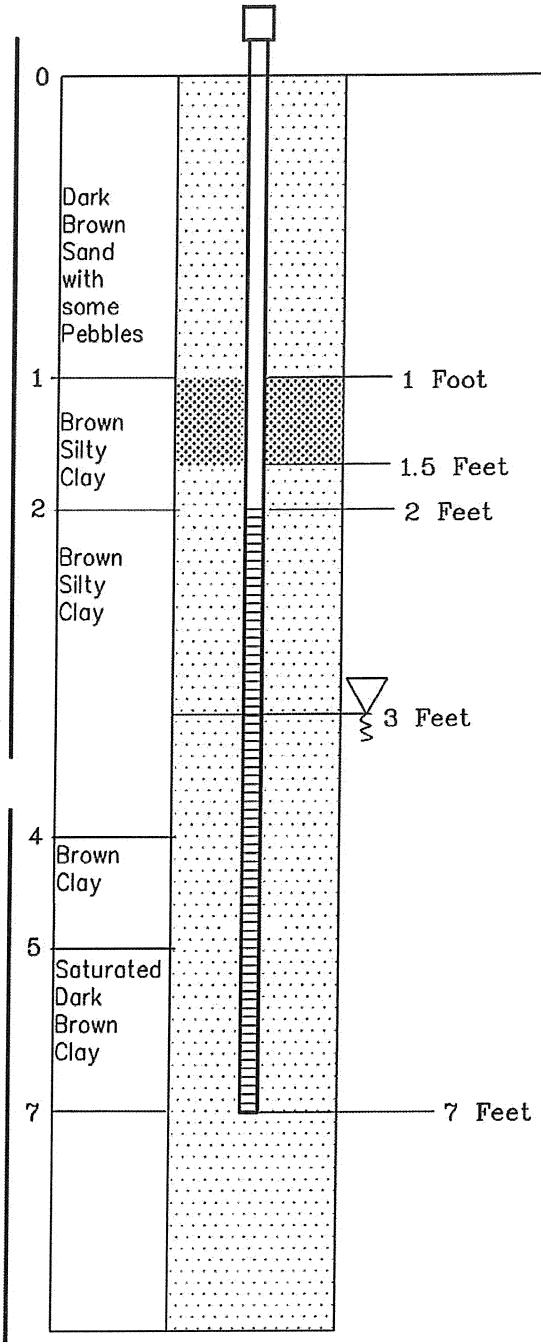
Approximate Water Table Surface

AARCO Environmental Services

50 Gear Avenue, Lindenhurst, New York

TITLE: GROUNDWATER MONITORING WELL CONSTRUCTION DETAILS FOR BMW-1		DATE: 2/11/2014
		SCALE: Not to Scale
FIGURE: 1	Former Hygrade Plating 22-07 41st Ave. Long Island City, NY	DRAWN BY: T.R.B.
DRAWING NO: 2014-3B		APPR BY: E.A.W.

BMW-3



DRILLING SUMMARY
Drilling Company: Aarco
Borehole Diameter: 2 Inches
Drilling Method: Hand Auger
Total Depth: 8 Feet
Geologist: Thomas Brown

WELL DESIGN
Casing Material: Geoprobe Prepack
Screen Interval: 5 Feet
Slot Size: 10 Slot
Diameter: 2 Inches
Date Installed: 2/7/2014

LEGEND

Bentonite

#1 Sand Filter

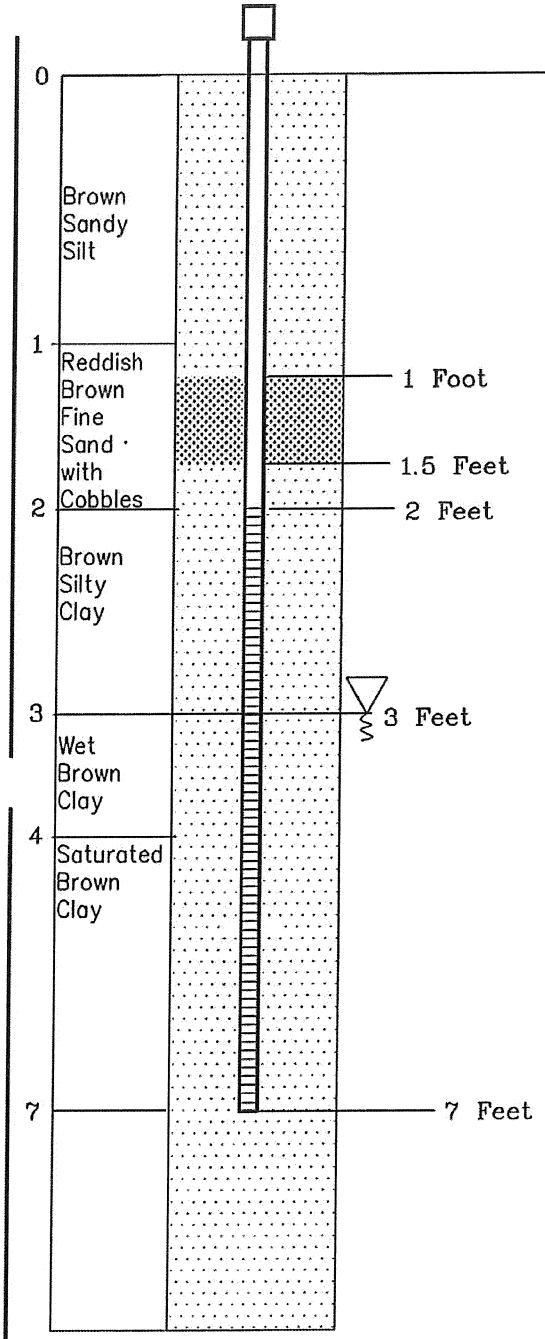
Approximate Water Table Surface

AARCO Environmental Services

50 Gear Avenue, Lindenhurst, New York

TITLE: GROUNDWATER MONITORING WELL CONSTRUCTION DETAILS FOR BMW-1		DATE: 2/11/2014
		SCALE: Not to Scale
FIGURE: 1	Former Hygrade Plating 22-07 41st Ave. Long Island City, NY	DRAWN BY: T.R.B.
DRAWING NO: 2014-3C		APPR BY: E.A.W.

BMW-4



DRILLING SUMMARY
Drilling Company: Aarco
Borehole Diameter: 2 Inches
Drilling Method: Hand Auger
Total Depth: 8 Feet
Geologist: Thomas Brown

WELL DESIGN
Casing Material: Geoprobe Prepack
Screen Interval: 5 Feet
Slot Size: 10 Slot
Diameter: 2 Inches
Date Installed: 2/7/2014

LEGEND
- Bentonite
- #1 Sand Filter
- Approximate Water Table Surface

AARCO Environmental Services
50 Gear Avenue, Lindenhurst, New York

TITLE: GROUNDWATER MONITORING WELL CONSTRUCTION DETAILS FOR BMW-1		DATE: 2/11/2014
		SCALE: Not to Scale
FIGURE: 1	Former Hygrade Plating 22-07 41st Ave. Long Island City, NY	DRAWN BY: T.R.B.
DRAWING NO: 2014-3D		APPR BY: E.A.W.