RAMBOLL ENVIRON

ENVIRONMENT & HEALTH

June 18, 2015

Mr. Ellis Koch
Consulting Director
Posillico Consulting
1750 New Highway
Farmingdale, NY 11735

RE: MIGRATION OF ARSENIC TO GROUNDWATER EVALUATION, GLEN COVE WATERFRONT REDEVELOPMENT PROJECT

Dear Mr. Koch:

On May 15, 2015 RXR Glen Isle Partners, LLC (RXR) contracted Ramboll Environ to review the data collected for the Garvies Point redevelopment project, Glen Cove, NY (Site) for the purpose of assisting RXR and the City of Glen Cove in responding to the NYSDEC and USEPA (Agencies) request to conduct additional SPLP analyses, and to perform an evaluation that meets the Agencies' objective of identifying areas where the management of soil is warranted to ensure that arsenic migration to groundwater will not pose an unacceptable risk to human health or the environment after the Site is redeveloped.

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RXR requested that Ramboll Environ:

1. Determine if the existing site data would be adequate to support the evaluation;
2. Calculate a site-specific K_d for arsenic using the site-specific SPLP data in accordance with NJDEP's 2013 guidance as recommended by the Agencies;
3. Utilize the site-specific K_d in conjunction with NYSDEC and USEPA guidance in order to calculate a soil migration to groundwater screening level for arsenic that could be used to support the evaluation; and
4. Following the Agencies' review and approval of the evaluation described in this letter, utilize the same methodology to evaluate soil lead migration to groundwater.

This letter summarizes the evaluation Ramboll Environ performed to identify areas at the Site where the management of arsenic in soil may be warranted to ensure that arsenic migration to groundwater does not pose an unacceptable risk to human health or the environment after the Site is redeveloped.

In summary, the evaluation involved derivation of a site-specific partition coefficient (K_d) for arsenic using the leachate test data that have been collected at the site and using this K_d to derive a soil migration to groundwater screening level, based on the arsenic water quality standard for Class GA groundwater and NYSDEC's default DAF. The screening level was then used to identify arsenic concentrations at the site that exceed the screening level, and thus, may warrant consideration for management.

Derivation of the screening level and the results from comparison to the arsenic soil data are discussed below and summarized in the attached tables and figures. Since the screening analysis is designed to be conservative, the soil screening results were

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compared with recent arsenic groundwater monitoring data to assess consistency in predicted versus actual arsenic leaching impacts. This assessment is also discussed below.

Ramboll Environ reviewed the existing arsenic data collected from the site (i.e., soil, SPLP, and groundwater) and concluded that these data are adequate to support the evaluation of arsenic soil migration to groundwater.

SCREENING LEVEL DERIVATION

The soil migration to groundwater screening level was calculated using methodology recommended by USEPA (1996)[1] for developing such screening levels for Superfund sites. Specifically, the soil screening level C_{soil} (mg/kg) was calculated by using the following equation:

$$C_{soil} = C_{gw}\left(K_d + \frac{\theta_w}{\rho_b}\right) \times DAF$$

where C_{gw} is the groundwater standard (mg/L), K_d is the partition coefficient (L/kg), θ_w is the water-filled porosity (L/L), ρ_b is the dry soil bulk density (kg/L), and DAF is the dilution/attenuation factor.

The site-specific arsenic K_d was estimated from the 20 SPLP analyses that had been performed on soil samples collected from the Captains Cove and Li Tungsten sites. A site-specific K_d was first calculated for each of the 20 pairs of SPLP and total arsenic data using NJDEP's 2013 guidance[2] and spreadsheet. **Attachment A** presents the details of the site-specific K_d calculations. Because these K_d values span more than an order of magnitude, the lowest value of 116.6 L/kg was conservatively selected for use in deriving the screening level, as recommended by NJDEP's guidance. Use of this K_d is expected to greatly overestimate the potential for arsenic to leach from soil across most of the site.

The groundwater standard utilized in the derivation was the arsenic water quality standard of 25 ug/L for Class GA H(WS) water. Per 6 NYCRR Part §701.15, Class GA groundwater is groundwater that can be used as a source of potable water. Use of this groundwater standard is highly conservative because the shallow groundwater at and downgradient of the site is not used, and not expected to be used, for potable purposes, as noted in USEPA's 2005 *Explanation of Significant Differences for the Li Tungsten Superfund Site*:

> "*The preference for no action [for groundwater] is based on the sporadic and generally low-level nature of the inorganic contamination; as well as the impacts of saltwater intrusion on the Aquifer and the availability of the City's potable water supply to the affected area, which significantly contribute to the non-use of the contaminated aquifer as a potable water source. Nassau County Public Health Ordinance Article 4, which prohibits the installation of new private potable water systems in areas served by a public water supply, should effectively preclude any future potable water well installations in this portion of the aquifer.*"

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1 The United States Environmental Protection Agency (USEPA). 1996. Soil Screening Guidance: User's Guide. Office of Solid Waste and Emergency Response. 9355.4-23. July.

2 New Jersey Department of Environmental Protection (NJDEP). 2013. *Synthetic Precipitation Leaching Procedure to Develop New Jersey Site-Specific Impact to Ground Water Remediation Standards*, Section IV.B, Option 2, p. 12-13.

The screening level was calculated using a DAF of 100, consistent with the assumptions NYSDEC uses to derive its soil cleanup objectives (NYSDEC 2006[3], Section 7.5). The values of θ_w and ρ_b used in the calculation (0.15 and 1.5 kg/L, respectively) are the default values recommended by USEPA (1996)[4].

Using the values discussed above, the arsenic migration to groundwater screening level is 292 mg/kg. **Attachment B** shows the calculation of this screening level[5].

COMPARISON TO SOIL DATA

The arsenic soil data from the site were compared to the screening level on a sample-by-sample basis. The data included in the comparison and the results of the comparison are presented in Table C.1 and Figure C.1 in **Attachment C**. As shown in Table C.1, 12 locations at the site have at least one arsenic concentration exceeding the screening level. At most of these locations, the concentrations exceeding the screening level are underlain by soil with arsenic concentrations that do not exceed the screening level. Specifically, only 2 of the 12 locations (EP020 and LPC-GA-EW6_A) have arsenic concentrations above the screening level in their deepest sample, indicating that the other 10 locations do not have a soil concentration profile with the potential to cause shallow groundwater under the site to exceed the Class GA groundwater standard for arsenic. Figure C.2 shows these two locations.

ADDITIONAL CONSIDERATIONS

The above screening results were compared to the recent arsenic groundwater data in **Attachment D**, to assess the degree of consistency between screening results and actual impacts on groundwater. As shown on the **Attachment D** figure[6], dissolved-phase arsenic groundwater concentrations[7] exceed the Class GA standard of 25 ug/L at only the following locations: CC-C-028 (GW), CC-C-048 (GW), CC-C-033 (GW), and MW-1.

These locations are in the area where arsenic-contaminated soil was excavated in January 2001 during the remedial action for OU-2, Area A and Area A Prime[8]. As shown on Figure C.1, the soil remaining in this area does not have arsenic concentrations exceeding the migration to groundwater screening level and is not expected to have the potential to impact groundwater.

In the vicinity of soil sampling locations EP020 and LPC-GA-EW6_A, where arsenic soil concentrations in the deepest samples exceed the screening level, dissolved-phase arsenic concentrations are below the 25 ug/L standard, based on data from LT-R-002 (GW), MW-CDM-2, EMW-4, LT-C-055 (GW), and LT-C-054 (GW). This difference between predicted and actual impacts on groundwater suggests that the screening level is overestimating arsenic migration from the soil in these areas (e.g., the K_d could

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3 New York State Department of Environmental Conservation (NYSDEC). 2006. *New York State Brownfield Cleanup Program Development of Soil Cleanup Objectives Technical Support Document*. September.

4 The United States Environmental Protection Agency (USEPA). 1996. *Soil Screening Guidance: User's Guide*. Office of Solid Waste and Emergency Response. 9355.4-23. July.

5 This screening level differs from NJDEP's soil remediation standard of 19 mg/kg derived under Option 2 because NJDEP used a groundwater quality criterion (GWQC) of 0.02 ug/L with a DAF of 20. As shown on Attachment A, multiplying the DAF by the GWQC gives a leachate criterion of 0.4 ug/L, which NJDEP replaced with the aqueous reporting limit of 3 ug/L. Multiplying this adjusted leachate criterion by ($K_d + \theta_w/\rho_b$) gives 0.350 mg/kg. NJDEP then replaced this result with the default NJ arsenic soil background level of 19 mg/kg.

6 P.W. Grosser Consulting (PWGC). 2015. *Arsenic and Lead Groundwater Report – Garvies' Point Road Redevelopment Project*. February.

7 Dissolved-phase concentrations are more appropriate than total concentrations for assessing consistency with migration to groundwater screening results because the screening analysis provides conservative estimates of potential impact on dissolved-phase rather than total groundwater concentrations.

8 P. W. Grosser Consulting (PWGC). 2014. *Pre-Construction Confirmatory/Insurance Data Gap Subsurface Investigation Report*.

be higher for the soil in these areas than the minimum of the 20 values used in deriving the screening level).

SUMMARY OF FINDINGS

An arsenic migration to groundwater soil screening level of 292 mg/kg was calculated using the most conservative K_d estimated from the 20 SPLP analyses performed at the Site, the arsenic water quality standard of 25 ug/L for Class GA H(WS) water, and a generic DAF of 100 consistent with the assumptions NYSDEC uses to derive its soil cleanup objectives. Two boring locations at the Site have soil arsenic concentrations in the deepest sample that exceed this screening level. However, the migration to groundwater analysis and the groundwater monitoring data are consistent in showing that the arsenic concentrations remaining in soil at the vast majority, if not all, of the site have little or no potential to adversely impact the shallow groundwater. The soil arsenic concentrations at locations EP020 and LPC-GA-EW6_A exceed the migration to groundwater screening level, but the groundwater monitoring data in the vicinity of these locations show no evidence of soil leaching impact, suggesting that the screening level overestimates actual arsenic leaching from soil at the site (which is consistent with the conservative nature of the screening level's derivation, including the use of the lowest among 20 site-specific K_d estimates from soil across the site). Taken together, the migration to groundwater analysis and the groundwater data provide a high degree of confidence that arsenic concentrations in soil at the site are sufficiently low to not warrant management to prevent impacts on groundwater. If it is desirable nevertheless to have additional assurance that arsenic will not impact groundwater, the site redevelopment plans for the areas around EP020 and LPC-GA-EW6_A could incorporate provisions to reduce infiltration.

We would be happy to discuss with you, the project team, USEPA, and/or NYSDEC should there be any questions regarding our evaluation.

Sincerely,

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Attachments

cc: Jay Jaffe, Greenbaum, Rowe, Smith & Davis LLP
Thomas Graham, RXR Glen Isle Partners, LLC
Steve Song, Ramboll Environ

ATTACHMENT A
SITE-SPECIFIC K_d CALCULATIONS

NJDEP SPLP Spreadsheet, V3.0, April 2013

Case name/area of concern:	
Case number:	
Sampling date:	
Contaminant:	Arsenic (total)
CAS No:	7440-38-2
Water solubility (mg/L)	NA
Aqueous reporting limit (µg/L):	3.00E+00
Soil reporting limit (mg/kg):	1.00E+00
Health-based GWQC (µg/L)	2.00E-02
DAF (13, or site-specific if approved):	**20**
Leachate Criterion (µg/L):	3.00E+00 adjusted from 0.4
Henry's law constant (dimensionless):	0.00E+00

CALCULATE SITE SPECIFIC IGW STANDARD

Reset Spreadsheet

Print Results

Instructions

CLICK HERE if chemical is not on drop-down list, or to enter alternate GWQC

Print to file

Exit

NOTE:
USE ONE PAGE PER CONTAMINANT, do not leave empty rows between samples
Do not enter samples with soil concentrations at or below the reporting limit
When leachate concentration is non-detect, enter the aqueous reporting limit
Enter site-specific dilution-attenuation factor (DAF) if desired

Data entry cells (do not skip rows)
Optional data entry
Calculated or locked cells
Indicates that Alternative Remediation Standard needs to be recalculated

Sample ID	Soil sample weight (kg)	Leachate Volume (L)	Total Soil Concentration (mg/kg)	SPLP Leachate Concentration (µg/L)	Final pH of Leachate	Optional data				Kd (L/kg)	% Contaminant in Leachate	Field leachate concentration (µg/L)	Pass or fail?
						Sampling Depth (ft)	Soil Type	Organic Carbon (mg/kg)	Organic Carbon (%)				
460-92762-33*	0.10009	2	168	4.3						39049.8	0.05	4.3	FAIL
460-92762-33	0.10008	2	220	7.6						28927.4	0.07	7.6	FAIL
460-92762-24	0.10002	2	451	21.8						20668.1	0.10	21.8	FAIL
460-92762-12	0.10001	2	239	35.9						6637.4	0.30	36.0	FAIL
460-92762-17	0.10004	2	262	36.8						7099.6	0.28	36.9	FAIL
460-92570-15	0.10011	2	1050	37						28358.4	0.07	37.0	FAIL
460-92762-79*	0.10012	2	77.6	46.4						1652.4	1.19	47.0	FAIL
460-92762-79	0.10004	2	105	49.3						2109.8	0.94	49.8	FAIL
460-92762-23*	0.10003	2	342	80.7						4217.9	0.47	81.1	FAIL
460-92762-11	0.10002	2	285	82						3455.6	0.58	82.5	FAIL
460-92762-47	0.10006	2	550	95.4						5745.2	0.35	95.7	FAIL
460-92665-18	0.10003	2	106	94.4						1102.9	1.78	96.1	FAIL
460-92762-23	0.10009	2	511	129						3941.3	0.50	129.6	FAIL
460-92762-47*	0.10004	2	564	137						4096.8	0.49	137.7	FAIL
460-92762-35	0.10009	2	231	718						301.7	6.21	765.2	FAIL
460-92762-46	0.1	2	845	894						925.2	2.12	913.2	FAIL
460-92762-74	0.10001	2	156	873						158.7	11.19	982.1	FAIL
460-92930-43*	0.1001	2	460	1780						238.4	7.73	1927.9	FAIL
460-92762-46*	0.10003	2	1010	2230						432.9	4.41	2332.2	FAIL
460-92930-43	0.10002	2	396	2900						116.6	14.64	3393.1	FAIL

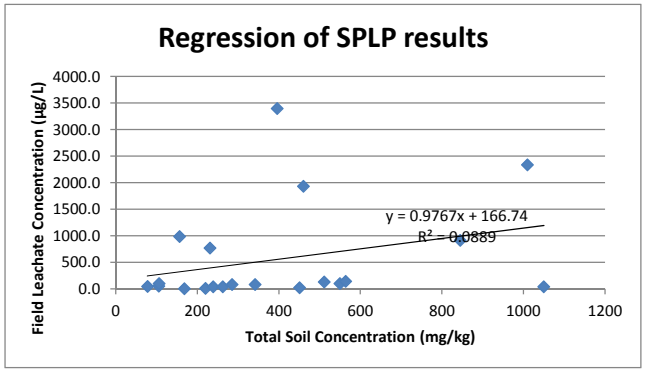
SPLP RESULTS for

OPTION 1a: All adjusted leachate concentrations are below the leachate criterion
OPTION 1a NOT VALID

OPTION 1b: Simple inspection of tabulated results to find highest acceptable standard
THE LOWEST SOIL CONCENTRATION FAILED, USE OPTIONS 2 OR 3

OPTION 2: Remediation standard using site-specific Kd value
Kd ratio = 335.03, USE MINIMUM Kd
Kd USED FOR CALCULATING STANDARD = 116.56 L/kg
result before rounding = 0.3501 mg/kg
REMEDIATION STANDARD = 19 mg/kg (controlled by natural background for arsenic)

OPTION 3: Remediation standard using linear regression
Number of points = 20
Soil concentration midrange = 563.8
Number of points above midrange = 4
Enough points above midrange? NO
R-Square high enough? NO
Leachate criterion within range of leachate concentrations? NO
OPTION 3 NOT VALID



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ATTACHMENT B
CALCULATION OF SOIL MTGW SCREENING LEVEL

Soil Impact to Groundwater Calculations
Garvies' Point Redevelopment Project, Glen Cove, NY

Chem Group	Chemical	CASRN	K_d (L/kg)	R_L (unitless)	R_L/ρ_b (L/kg)	C_w (mg/L)	Basis	$C_w \cdot$ DAF (mg/L)	C_T (mg/kg)
INORG	Arsenic	7440-38-2	1.17E+02	1.75E+02	1.17E+02	2.50E-02	NYSDEC GA H(WS)	2.50E+00	2.92E+02
Notes:	Soil bulk density	kg/L	ρ_b	1.50	USEPA Default (1996 SSG)				
	Soil particle density	kg/L	ρ_s	2.63	USEPA Default (1996 SSG)				
	Soil porosity	L/L-soil	n	0.43					
	Soil water content	L/L-soil	θ_w	0.15	USEPA Default (1996 SSG)				
	Soil air-filled porosity	L/L-soil	θ_a	0.28					
	Dilution factor	unitless	DAF	100.0	NYSDEC Default (2006 SCO TSD)				
	C_w - Groundwater Target Concentration								
	C_T - Proposed soil impact to groundwater screening level.								

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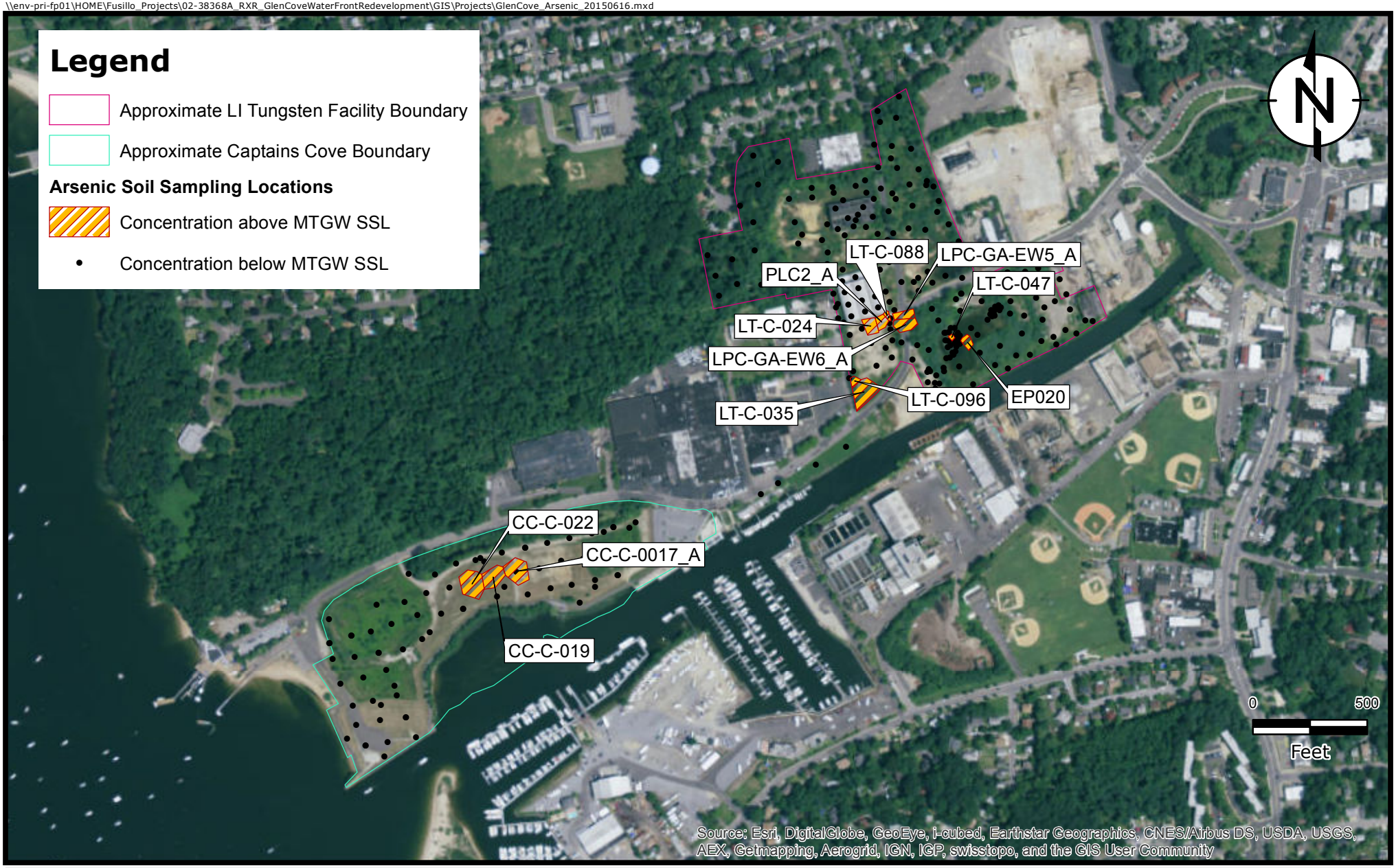
ATTACHMENT C
SCREENING EVALUATION RESULTS

\\env-pri-fp01\HOME\Fusillo_Projects\02-38368A_RXR_GlenCoveWaterFrontRedevelopment\GIS\Projects\GlenCove_Arsenic_20150616.mxd



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DRAFTED BY: ECL | DATE: 6/16/2015

ARSENIC MIGRATION TO GROUNDWATER ANALYSIS
SOIL (ALL SAMPLE DEPTHS)

GLEN COVE WATERFRONT REDEVELOPMENT PROJECT

GLEN COVE, NY

FIGURE
C.1

02-38368A

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RAMBOLL ENVIRON

DRAFTED BY: ECL

DATE: 6/16/2015

ARSENIC MIGRATION TO GROUNDWATER ANALYSIS
SOIL (DEEPEST SAMPLE ONLY)

GLEN COVE WATERFRONT REDEVELOPMENT PROJECT

GLEN COVE, NY

FIGURE

C.2

02-38368A

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
AC-GI-001	0	2	2/25/2014	9.7	3.3E-02
AC-GI-001	4	6	2/25/2014	1.2	4.1E-03
AC-GI-002	0	2	2/25/2014	10.5	3.6E-02
AC-GI-002	4	6	2/25/2014	3.2	1.1E-02
CC-C-001	0	2	2/11/2014	37.8	1.3E-01
CC-C-001	2	4	2/11/2014	51.7	1.8E-01
CC-C-001	10	12	2/11/2014	14.5	5.0E-02
CC-C-0016_A	0	2	4/1/2015	10.2	3.5E-02
CC-C-0016_A	2	4	4/1/2015	4.4	1.5E-02
CC-C-0016_A	4	6	4/1/2015	6.1	2.1E-02
CC-C-0016_A	6	8	4/1/2015	3.4	1.2E-02
CC-C-0016_A	8	10	4/1/2015	66.9	2.3E-01
CC-C-0016_A	10	12	4/1/2015	36.6	1.3E-01
CC-C-0017_A	0	2	4/1/2015	1050	3.6E+00
CC-C-0017_A	2	4	4/1/2015	3.5	1.2E-02
CC-C-0017_A	4	6	4/1/2015	12	4.1E-02
CC-C-0017_A	6	8	4/1/2015	10.2	3.5E-02
CC-C-0017_A	8	10	4/1/2015	6.3	2.2E-02
CC-C-0017_A	10	12	4/1/2015	33.2	1.1E-01
CC-C-0017_A	12	14	4/1/2015	2.5	8.6E-03
CC-C-0017_A	14	16	4/1/2015	4	1.4E-02
CC-C-0017_A	16	18	4/1/2015	1.45	5.0E-03
CC-C-002	0	2	2/11/2014	9.3	3.2E-02
CC-C-002	4	6	2/11/2014	10.1	3.5E-02
CC-C-002	6	8	2/11/2014	5.3	1.8E-02
CC-C-002	6	8	2/11/2014	5.2	1.8E-02
CC-C-0023_A	0	2	4/1/2015	4.4	1.5E-02
CC-C-0023_A	2	4	4/1/2015	12.7	4.4E-02
CC-C-0023_A	4	6	4/1/2015	11.4	3.9E-02
CC-C-0023_A	6	8	4/1/2015	11.9	4.1E-02
CC-C-0023_A	8	10	4/1/2015	8.3	2.8E-02
CC-C-0023_A	10	12	4/1/2015	3	1.0E-02
CC-C-0023_A	12	14	4/1/2015	1.6	5.5E-03
CC-C-0023_A	12	14	4/1/2015	2.6	8.9E-03
CC-C-003	0	2	2/11/2014	4.8	1.6E-02
CC-C-003	4	6	2/11/2014	11.1	3.8E-02
CC-C-003	6	8	2/11/2014	11.1	3.8E-02
CC-C-0030_A	0	2	4/1/2015	4.4	1.5E-02
CC-C-0030_A	2	4	4/1/2015	4.4	1.5E-02
CC-C-0030_A	4	6	4/1/2015	6.7	2.3E-02
CC-C-0030_A	6	8	4/1/2015	4	1.4E-02
CC-C-0030_A	8	10	4/1/2015	9.2	3.2E-02
CC-C-0030_A	10	12	4/1/2015	4.2	1.4E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
CC-C-0030_A	12	14	4/1/2015	4.7	1.6E-02
CC-C-004	0	2	2/11/2014	3.9	1.3E-02
CC-C-004	6	8	2/11/2014	12.8	4.4E-02
CC-C-004	8	10	2/11/2014	13.9	4.8E-02
CC-C-004_A	0	2	4/1/2015	5.9	2.0E-02
CC-C-004_A	2	4	4/1/2015	3.2	1.1E-02
CC-C-004_A	4	6	4/1/2015	10.9	3.7E-02
CC-C-004_A	6	8	4/1/2015	8.7	3.0E-02
CC-C-004_A	8	10	4/1/2015	8.4	2.9E-02
CC-C-004_A	8	10	4/1/2015	11	3.8E-02
CC-C-004_A	10	12	4/1/2015	3.9	1.3E-02
CC-C-004_A	12	14	4/1/2015	3.1	1.1E-02
CC-C-005	0	2	2/11/2014	4.4	1.5E-02
CC-C-005	2	4	2/11/2014	3.1	1.1E-02
CC-C-005	10	12	2/11/2014	3.9	1.3E-02
CC-C-006	0	2	2/11/2014	15.7	5.4E-02
CC-C-006	4	6	2/11/2014	5.1	1.7E-02
CC-C-006	8	10	2/11/2014	9.8	3.4E-02
CC-C-007	0	2	2/11/2014	12.3	4.2E-02
CC-C-007	4	6	2/11/2014	5.1	1.7E-02
CC-C-007	6	8	2/11/2014	6	2.1E-02
CC-C-008	0	2	2/11/2014	3.7	1.3E-02
CC-C-008	4	6	2/11/2014	9.8	3.4E-02
CC-C-008	4	6	2/11/2014	3.7	1.3E-02
CC-C-008	6	8	2/11/2014	18.9	6.5E-02
CC-C-009	0	2	2/11/2014	10.3	3.5E-02
CC-C-009	4	6	2/11/2014	9.8	3.4E-02
CC-C-009	6	8	2/11/2014	9.1	3.1E-02
CC-C-010	0	2	2/11/2014	9.3	3.2E-02
CC-C-010	4	6	2/11/2014	7.4	2.5E-02
CC-C-010	8	10	2/11/2014	12	4.1E-02
CC-C-011	0	2	2/11/2014	22.9	7.8E-02
CC-C-011	4	6	2/11/2014	8.1	2.8E-02
CC-C-011	6	8	2/11/2014	9.9	3.4E-02
CC-C-012	0	2	2/11/2014	10.2	3.5E-02
CC-C-012	4	6	2/11/2014	8.7	3.0E-02
CC-C-012	6	8	2/11/2014	6.1	2.1E-02
CC-C-013	0	2	2/12/2014	15	5.1E-02
CC-C-013	2	4	2/12/2014	4	1.4E-02
CC-C-013	10	12	2/12/2014	25.2	8.6E-02
CC-C-014	0	2	2/12/2014	3	1.0E-02
CC-C-014	4	6	2/12/2014	10.1	3.5E-02
CC-C-014	6	8	2/12/2014	12.5	4.3E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
CC-C-015	0	2	2/12/2014	5.6	1.9E-02
CC-C-015	4	6	2/12/2014	8.7	3.0E-02
CC-C-015	6	8	2/12/2014	1.3	4.5E-03
CC-C-016	0	2	2/12/2014	4.1	1.4E-02
CC-C-016	4	6	2/12/2014	2	6.9E-03
CC-C-016	6	8	2/12/2014	7.3	2.5E-02
CC-C-017	0	2	2/12/2014	123	4.2E-01
CC-C-017	0	2	2/12/2014	241	8.3E-01
CC-C-017	4	6	2/12/2014	15.9	5.4E-02
CC-C-017	6	8	2/12/2014	11.6	4.0E-02
CC-C-018	0	2	2/12/2014	53.9	1.8E-01
CC-C-018	4	6	2/12/2014	14.8	5.1E-02
CC-C-018	10	12	2/12/2014	10.9	3.7E-02
CC-C-019	0	2	1/9/2015	993	3.4E+00
CC-C-019	0	2	2/12/2014	1850	6.3E+00
CC-C-019	4	6	2/12/2014	13.5	4.6E-02
CC-C-019	6	8	2/12/2014	12.7	4.4E-02
CC-C-020	0	2	2/12/2014	5.4	1.9E-02
CC-C-020	4	6	2/12/2014	10.8	3.7E-02
CC-C-020	8	10	2/12/2014	3.3	1.1E-02
CC-C-021	0	2	2/12/2014	18.4	6.3E-02
CC-C-021	2	4	2/12/2014	7	2.4E-02
CC-C-021	8	10	2/12/2014	8	2.7E-02
CC-C-022	0	2	2/12/2014	379	1.3E+00
CC-C-022	0	2	1/9/2015	187	6.4E-01
CC-C-022	2	4	2/12/2014	500	1.7E+00
CC-C-022	6	8	2/12/2014	11.1	3.8E-02
CC-C-023	0	2	2/12/2014	16.9	5.8E-02
CC-C-023	4	6	2/12/2014	15.1	5.2E-02
CC-C-023	6	8	2/12/2014	12.9	4.4E-02
CC-C-024	0	2	2/12/2014	7.1	2.4E-02
CC-C-024	4	6	2/12/2014	5.5	1.9E-02
CC-C-024	8	10	2/12/2014	2.7	9.3E-03
CC-C-025	0	2	2/12/2014	7.2	2.5E-02
CC-C-025	2	4	2/12/2014	12.4	4.3E-02
CC-C-025	6	8	2/12/2014	10.1	3.5E-02
CC-C-026	0	2	2/12/2014	5.4	1.9E-02
CC-C-026	4	6	2/12/2014	14.1	4.8E-02
CC-C-026	8	10	2/12/2014	2	6.9E-03
CC-C-027	0	2	2/14/2014	14.4	4.9E-02
CC-C-027	0	2	2/14/2014	20	6.9E-02
CC-C-027	2	4	2/14/2014	4.1	1.4E-02
CC-C-027	6	8	2/14/2014	11.3	3.9E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
CC-C-028	0	2	2/14/2014	253	8.7E-01
CC-C-028	0	2	1/9/2015	13	4.5E-02
CC-C-028	4	6	2/14/2014	19.2	6.6E-02
CC-C-028	6	8	2/14/2014	7.2	2.5E-02
CC-C-029	0	2	2/19/2014	5.8	2.0E-02
CC-C-029	2	4	2/19/2014	8.6	2.9E-02
CC-C-029	8	10	2/19/2014	8.4	2.9E-02
CC-C-030	0	2	2/14/2014	4.6	1.6E-02
CC-C-030	2	4	2/14/2014	7.3	2.5E-02
CC-C-030	8	10	2/14/2014	15.8	5.4E-02
CC-C-030	10	10	1/15/2015	67.8	2.3E-01
CC-C-031	0	2	2/14/2014	5.5	1.9E-02
CC-C-031	4	6	2/14/2014	27.1	9.3E-02
CC-C-031	4	6	2/14/2014	5.6	1.9E-02
CC-C-031	6	8	2/14/2014	4.1	1.4E-02
CC-C-032	0	2	2/14/2014	6.4	2.2E-02
CC-C-032	4	6	2/14/2014	6.6	2.3E-02
CC-C-032	6	8	2/14/2014	2.6	8.9E-03
CC-C-033	0	2	2/14/2014	6	2.1E-02
CC-C-033	2	4	2/14/2014	8.3	2.8E-02
CC-C-033	8	10	2/14/2014	2.3	7.9E-03
CC-C-034	0	2	2/14/2014	5.3	1.8E-02
CC-C-034	0	2	2/14/2014	6.5	2.2E-02
CC-C-034	2	4	2/14/2014	4.8	1.6E-02
CC-C-034	8	10	2/14/2014	5	1.7E-02
CC-C-035	0	2	2/14/2014	3.1	1.1E-02
CC-C-035	2	4	2/14/2014	6.9	2.4E-02
CC-C-035	8	10	2/14/2014	3.9	1.3E-02
CC-C-036	0	2	2/14/2014	2.8	9.6E-03
CC-C-036	2	4	2/14/2014	8.4	2.9E-02
CC-C-036	6	8	2/14/2014	4.6	1.6E-02
CC-C-036_A	0	2	4/1/2015	3.3	1.1E-02
CC-C-036_A	2	4	4/1/2015	6.8	2.3E-02
CC-C-036_A	2	4	4/1/2015	6.2	2.1E-02
CC-C-036_A	4	6	4/1/2015	5.3	1.8E-02
CC-C-036_A	6	8	4/1/2015	1.8	6.2E-03
CC-C-036_A	8	10	4/1/2015	1.5	5.1E-03
CC-C-036_A	10	12	4/1/2015	4	1.4E-02
CC-C-036_A	12	14	4/1/2015	3	1.0E-02
CC-C-037	0	2	2/14/2014	1.9	6.5E-03
CC-C-037	4	6	2/14/2014	3.8	1.3E-02
CC-C-037	8	10	2/14/2014	16	5.5E-02
CC-C-038	0	2	2/17/2014	3.8	1.3E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
CC-C-038	4	6	2/17/2014	25.7	8.8E-02
CC-C-038	8	10	2/17/2014	10.6	3.6E-02
CC-C-039	0	2	2/17/2014	11.8	4.0E-02
CC-C-039	2	4	2/17/2014	4.3	1.5E-02
CC-C-039	6	8	2/17/2014	0.65	2.2E-03
CC-C-040	0	2	2/17/2014	16.1	5.5E-02
CC-C-040	4	6	2/17/2014	8.5	2.9E-02
CC-C-040	8	10	2/17/2014	4.7	1.6E-02
CC-C-040_A	0	2	4/1/2015	11.1	3.8E-02
CC-C-040_A	2	4	4/1/2015	4.1	1.4E-02
CC-C-040_A	4	6	4/1/2015	7.7	2.6E-02
CC-C-040_A	6	8	4/1/2015	3.7	1.3E-02
CC-C-040_A	8	10	4/1/2015	4.3	1.5E-02
CC-C-040_A	10	12	4/1/2015	3.2	1.1E-02
CC-C-040_A	10	12	4/1/2015	3.1	1.1E-02
CC-C-041	0	2	2/19/2014	14.9	5.1E-02
CC-C-041	2	4	2/19/2014	4.8	1.6E-02
CC-C-041	8	10	2/19/2014	8.5	2.9E-02
CC-C-042	0	2	2/20/2014	30.1	1.0E-01
CC-C-042	0	2	2/20/2014	16.1	5.5E-02
CC-C-042	2	4	2/20/2014	50	1.7E-01
CC-C-042	8	10	2/20/2014	10.2	3.5E-02
CC-C-042_A	0	2	4/1/2015	17.8	6.1E-02
CC-C-042_A	2	4	4/1/2015	106	3.6E-01
CC-C-042_A	4	6	4/1/2015	3.9	1.3E-02
CC-C-042_A	6	8	4/1/2015	7.3	2.5E-02
CC-C-042_A	8	10	4/1/2015	16.4	5.6E-02
CC-C-043	0	2	2/20/2014	7.2	2.5E-02
CC-C-043	2	4	2/20/2014	4.6	1.6E-02
CC-C-043	6	8	2/20/2014	4.3	1.5E-02
CC-C-044	0	2	2/20/2014	10.1	3.5E-02
CC-C-044	4	6	2/20/2014	13.7	4.7E-02
CC-C-044	8	10	2/20/2014	50.6	1.7E-01
CC-C-044_A	0	2	4/1/2015	6.2	2.1E-02
CC-C-044_A	2	4	4/1/2015	3.1	1.1E-02
CC-C-044_A	4	6	4/1/2015	3.4	1.2E-02
CC-C-044_A	6	8	4/1/2015	21.1	7.2E-02
CC-C-044_A	8	10	4/1/2015	20.8	7.1E-02
CC-C-045	0	2	2/20/2014	5	1.7E-02
CC-C-045	4	6	2/20/2014	4.2	1.4E-02
CC-C-045	8	10	2/20/2014	7.5	2.6E-02
CC-C-046	0	2	2/20/2014	4.2	1.4E-02
CC-C-046	4	6	2/20/2014	4.7	1.6E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
CC-C-046	8	10	2/20/2014	5.5	1.9E-02
CC-C-047	0	2	2/20/2014	4.5	1.5E-02
CC-C-047	2	4	2/20/2014	4.4	1.5E-02
CC-C-047	8	10	2/20/2014	3.1	1.1E-02
CC-C-048	0	2	2/21/2014	3.9	1.3E-02
CC-C-048	4	6	2/21/2014	4.1	1.4E-02
CC-C-048	8	10	2/21/2014	9.8	3.4E-02
CC-C-049	0	2	2/21/2014	15	5.1E-02
CC-C-049	2	4	2/21/2014	7.1	2.4E-02
CC-C-049	8	10	2/21/2014	7.2	2.5E-02
CC-C-050	0	2	2/21/2014	4.4	1.5E-02
CC-C-050	2	4	2/21/2014	3.6	1.2E-02
CC-C-050	8	10	2/21/2014	11.3	3.9E-02
CC-C-050	8	10	2/21/2014	19.4	6.6E-02
CC-C-051	0	2	2/21/2014	6.3	2.2E-02
CC-C-051	2	4	2/21/2014	9.2	3.2E-02
CC-C-051	8	10	2/21/2014	7.7	2.6E-02
CC-C-052	0	2	2/21/2014	7.4	2.5E-02
CC-C-052	2	4	2/21/2014	8.8	3.0E-02
CC-C-052	8	10	2/21/2014	9.6	3.3E-02
CC-GI-001	0	2	2/25/2014	7.9	2.7E-02
CC-GI-001	2	4	2/25/2014	15.4	5.3E-02
CC-GI-002	0	2	2/25/2014	12.3	4.2E-02
CC-GI-002	2	4	2/25/2014	9.2	3.2E-02
CC-GI-003	0	2	4/21/2015	4.5	1.5E-02
CC-GI-003	2	4	4/21/2015	15.3	5.2E-02
CC-GI-003	4	6	4/21/2015	10	3.4E-02
CC-GI-003	6	8	4/21/2015	6	2.1E-02
CC-GI-003	8	10	4/21/2015	3.4	1.2E-02
CC-GI-004	0	2	4/21/2015	4.2	1.4E-02
CC-GI-004	2	4	4/21/2015	8.4	2.9E-02
CC-GI-004	4	6	4/21/2015	9.9	3.4E-02
CC-GI-004	6	8	4/21/2015	9.9	3.4E-02
CC-GI-004	6	8	4/21/2015	6.1	2.1E-02
CC-GI-005	0	2	4/21/2015	6.6	2.3E-02
CC-GI-005	2	4	4/21/2015	19.8	6.8E-02
CC-GI-005	4	6	4/21/2015	6.1	2.1E-02
CC-GI-005	6	8	4/21/2015	20.5	7.0E-02
CC-GI-005	8	10	4/21/2015	3.6	1.2E-02
CC-GI-005	10	12	4/21/2015	1.4	4.8E-03
CC-GI-005	12	14	4/21/2015	1.9	6.5E-03
CC-GI-006	0	2	4/21/2015	14.4	4.9E-02
CC-GI-006	2	4	4/21/2015	14.7	5.0E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
CC-GI-006	4	6	4/21/2015	7.8	2.7E-02
CC-GI-006	6	8	4/21/2015	7.6	2.6E-02
CC-GI-006	8	10	4/21/2015	11.3	3.9E-02
CC-GI-007	0	2	4/22/2015	15.1	5.2E-02
CC-GI-007	2	4	4/22/2015	14.8	5.1E-02
CC-GI-007	4	6	4/22/2015	15.3	5.2E-02
CC-GI-007	6	8	4/22/2015	5.2	1.8E-02
CC-GI-007	8	10	4/22/2015	4.7	1.6E-02
CC-GI-008	0	2	4/22/2015	4.7	1.6E-02
CC-GI-008	0	2	4/22/2015	12	4.1E-02
CC-GI-008	2	4	4/22/2015	11.8	4.0E-02
CC-GI-008	4	6	4/22/2015	4.5	1.5E-02
CC-GI-008	6	8	4/22/2015	1.8	6.2E-03
CC-GI-009	0	2	4/22/2015	11.2	3.8E-02
CC-GI-009	2	4	4/22/2015	8.7	3.0E-02
CC-GI-009	4	6	4/22/2015	7.2	2.5E-02
CC-GTBH-001	0	2	3/4/2014	7.2	2.5E-02
CC-GTBH-001	4	6	3/4/2014	3.9	1.3E-02
CC-GTBH-001	8	10	3/4/2014	6.3	2.2E-02
CC-GTBH-002	0	2	3/4/2014	5.8	2.0E-02
CC-GTBH-002	4	6	3/4/2014	7.3	2.5E-02
CC-GTBH-002	6	8	3/4/2014	4.3	1.5E-02
CC-GTBH-002	6	8	3/4/2014	5.1	1.7E-02
CC-GTBH-003	0	2	3/4/2014	9.2	3.2E-02
CC-GTBH-003	4	6	3/4/2014	8.8	3.0E-02
CC-GTBH-003	6	8	3/4/2014	4.8	1.6E-02
CC-GTBH-004	0	2	3/4/2014	4	1.4E-02
CC-GTBH-004	4	6	3/4/2014	2.2	7.5E-03
CC-GTBH-004	6	8	3/4/2014	13.4	4.6E-02
D2_A	0	2	4/1/2015	5.1	1.7E-02
D2_A	2	4	4/1/2015	6.5	2.2E-02
D2_A	4	6	4/1/2015	6.8	2.3E-02
D2_A	6	8	4/1/2015	9.3	3.2E-02
D2_A	8	10	4/1/2015	7.8	2.7E-02
D2_A	10	12	4/1/2015	7.7	2.6E-02
D2_A	12	14	4/1/2015	3.5	1.2E-02
EP001			10/1/2014	4	1.4E-02
EP002			10/1/2014	8.8	3.0E-02
EP002			10/1/2014	7.5	2.6E-02
EP003			10/1/2014	5.6	1.9E-02
EP004			10/1/2014	6.1	2.1E-02
EP005			10/1/2014	16.4	5.6E-02
EP006			10/1/2014	4.4	1.5E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
EP007			10/1/2014	4.1	1.4E-02
EP008			10/1/2014	5.1	1.7E-02
EP009			10/9/2014	20.4	7.0E-02
EP010			10/9/2014	34.4	1.2E-01
EP011			10/9/2014	5.7	2.0E-02
EP012			10/9/2014	12.8	4.4E-02
EP014			10/9/2014	4.4	1.5E-02
EP015			10/9/2014	9.5	3.3E-02
EP016			10/9/2014	126	4.3E-01
EP017			10/9/2014	4.3	1.5E-02
EP018			10/10/2014	27.3	9.4E-02
EP019			10/10/2014	7.4	2.5E-02
EP020			10/10/2014	651	2.2E+00
EP021			2/18/2015	4.5	1.5E-02
EP021			2/18/2015	3.8	1.3E-02
EP022			2/18/2015	8.1	2.8E-02
EP023			2/18/2015	9.9	3.4E-02
EP024			2/18/2015	9.7	3.3E-02
EP025			2/18/2015	9.2	3.2E-02
EP026			2/19/2015	6.6	2.3E-02
EP027			2/19/2015	14.3	4.9E-02
EP028			2/19/2015	4	1.4E-02
EP029			2/23/2015	18.1	6.2E-02
EP030			2/23/2015	6.4	2.2E-02
EP031			2/23/2015	1.9	6.5E-03
EP032			4/22/2015	3.8	1.3E-02
EP033			4/22/2015	3.4	1.2E-02
EP034			4/22/2015	6.9	2.4E-02
EP035			4/22/2015	8.8	3.0E-02
EP036			4/22/2015	18	6.2E-02
EP037			4/22/2015	4.6	1.6E-02
EP038			4/22/2015	3.5	1.2E-02
EP039			4/22/2015	47.1	1.6E-01
EP040			4/22/2015	55.1	1.9E-01
EP041			4/22/2015	7.1	2.4E-02
EP042			4/22/2015	6.4	2.2E-02
GL-GI-001	0	2	1/30/2014	4.1	1.4E-02
GL-GI-001	4	6	1/30/2014	2.3	7.9E-03
GL-GI-001	8	10	1/30/2014	0.98	3.4E-03
GL-GI-002	0	2	1/30/2014	1.5	5.1E-03
GL-GI-002	4	6	1/30/2014	4.3	1.5E-02
GL-GI-002	8	10	1/30/2014	1.2	4.1E-03
LPC-GA-EW5_A	0	2	4/3/2015	106	3.6E-01

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LPC-GA-EW5_A	2	4	4/3/2015	3.9	1.3E-02
LPC-GA-EW5_A	4	6	4/3/2015	49.2	1.7E-01
LPC-GA-EW5_A	6	8	4/3/2015	845	2.9E+00
LPC-GA-EW5_A	6	8	4/3/2015	1010	3.5E+00
LPC-GA-EW5_A	8	10	4/3/2015	564	1.9E+00
LPC-GA-EW5_A	8	10	4/3/2015	550	1.9E+00
LPC-GA-EW5_A	10	12	4/3/2015	15.1	5.2E-02
LPC-GA-EW6_A	0	2	4/3/2015	4.7	1.6E-02
LPC-GA-EW6_A	2	4	4/3/2015	5.2	1.8E-02
LPC-GA-EW6_A	2	4	4/3/2015	6.5	2.2E-02
LPC-GA-EW6_A	4	6	4/3/2015	6.7	2.3E-02
LPC-GA-EW6_A	6	8	4/3/2015	172	5.9E-01
LPC-GA-EW6_A	8	10	4/3/2015	1680	5.8E+00
LPC-GA-F1_A	0	2	4/3/2015	7.8	2.7E-02
LPC-GA-F1_A	2	4	4/3/2015	15.9	5.4E-02
LPC-GA-F1_A	4	6	4/3/2015	8.7	3.0E-02
LPC-GA-F1_A	6	8	4/3/2015	115	3.9E-01
LPC-GA-F1_A	8	10	4/3/2015	191	6.5E-01
LPC-GA-F2_A	0	2	4/3/2015	13.4	4.6E-02
LPC-GA-F2_A	2	4	4/3/2015	4.1	1.4E-02
LPC-GA-F2_A	4	6	4/3/2015	7.1	2.4E-02
LPC-GA-F2_A	6	8	4/3/2015	169	5.8E-01
LPC-GA-F2_A	6	8	4/3/2015	187	6.4E-01
LPC-GA-F2_A	8	10	4/3/2015	174	6.0E-01
LPC-GA-F2_A	10	12	4/3/2015	120	4.1E-01
LPC-GA-F4_A	0	2	4/3/2015	7.1	2.4E-02
LPC-GA-F4_A	2	4	4/3/2015	3.1	1.1E-02
LPC-GA-F4_A	4	6	4/3/2015	2.6	8.9E-03
LPC-GA-F4_A	6	8	4/3/2015	11.5	3.9E-02
LPC-GA-F4_A	8	10	4/3/2015	40.8	1.4E-01
LPC-GD-WW2_A	0	2	4/7/2015	49.2	1.7E-01
LPC-GD-WW2_A	2	4	4/7/2015	46.2	1.6E-01
LPC-GD-WW2_A	4	6	4/7/2015	5.6	1.9E-02
LPC-GD-WW2_A	6	8	4/7/2015	11.7	4.0E-02
LPC-GD-WW2_A	8	10	4/7/2015	46.5	1.6E-01
LPC-GD-WW3_A	0	2	4/3/2015	8.8	3.0E-02
LPC-GD-WW3_A	2	4	4/3/2015	6.3	2.2E-02
LPC-GD-WW3_A	4	6	4/3/2015	11.2	3.8E-02
LPC-GD-WW3_A	6	8	4/3/2015	26.5	9.1E-02
LPC-GD-WW3_A	8	10	4/3/2015	77.6	2.7E-01
LPC-GD-WW3_A	8	10	4/3/2015	105	3.6E-01
LPC-GD-WW5_A	0	2	4/7/2015	9.3	3.2E-02
LPC-GD-WW5_A	2	4	4/7/2015	8.3	2.8E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LPC-GD-WW5_A	4	6	4/7/2015	3.4	1.2E-02
LPC-GD-WW5_A	6	8	4/7/2015	8.9	3.1E-02
LPC-GD-WW5_A	6	8	4/7/2015	6.1	2.1E-02
LPC-GD-WW5_A	8	10	4/7/2015	2.6	8.9E-03
LPC-GD-WW5_A	10	12	4/7/2015	2.5	8.6E-03
LT-C-001	0	2	1/13/2014	2.7	9.3E-03
LT-C-001	4	6	1/13/2014	2.7	9.3E-03
LT-C-001	6	8	1/13/2014	4.5	1.5E-02
LT-C-002	0	2	1/14/2014	7	2.4E-02
LT-C-002	2	4	1/14/2014	1.9	6.5E-03
LT-C-002	10	12	1/14/2014	3.5	1.2E-02
LT-C-003	0	2	1/7/2015	2.7	9.3E-03
LT-C-003	0	2	1/14/2014	107	3.7E-01
LT-C-003	2	4	1/14/2014	2.9	9.9E-03
LT-C-003	6	8	1/14/2014	4.3	1.5E-02
LT-C-004	4	6	1/14/2014	3.7	1.3E-02
LT-C-004	6	8	1/14/2014	1.1	3.8E-03
LT-C-004	10	12	1/14/2014	1.4	4.8E-03
LT-C-005	0	2	1/14/2014	6.2	2.1E-02
LT-C-005	2	4	1/14/2014	1.8	6.2E-03
LT-C-005	10	12	1/14/2014	1	3.4E-03
LT-C-006	0	2	1/14/2014	102	3.5E-01
LT-C-006	2	4	1/14/2014	1.7	5.8E-03
LT-C-006	2	4	1/14/2014	5	1.7E-02
LT-C-006	10	12	1/14/2014	5.3	1.8E-02
LT-C-007	0	2	1/14/2014	6.9	2.4E-02
LT-C-007	2	4	1/14/2014	3.1	1.1E-02
LT-C-007	8	10	1/14/2014	3.3	1.1E-02
LT-C-008	0	2	1/14/2014	104	3.6E-01
LT-C-008	4	6	1/14/2014	3.3	1.1E-02
LT-C-008	6	8	1/14/2014	5.9	2.0E-02
LT-C-009	0	2	1/14/2014	1.9	6.5E-03
LT-C-009	2	4	1/14/2014	3.7	1.3E-02
LT-C-009	10	12	1/14/2014	1.5	5.1E-03
LT-C-010	0	2	1/15/2014	18.2	6.2E-02
LT-C-010	2	4	1/15/2014	2.9	9.9E-03
LT-C-010	10	12	1/15/2014	1.6	5.5E-03
LT-C-011	0	2	1/15/2014	11.6	4.0E-02
LT-C-011	2	4	1/15/2014	3.1	1.1E-02
LT-C-011	2	4	1/15/2014	5.2	1.8E-02
LT-C-011	10	12	1/15/2014	5.9	2.0E-02
LT-C-012	0	2	1/15/2014	71.9	2.5E-01
LT-C-012	4	6	1/15/2014	4.7	1.6E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-012	6	8	1/15/2014	2.3	7.9E-03
LT-C-013	0	2	1/15/2014	2.3	7.9E-03
LT-C-013	4	6	1/15/2014	2.4	8.2E-03
LT-C-013	6	8	1/15/2014	9.4	3.2E-02
LT-C-014	0	2	1/15/2014	3.6	1.2E-02
LT-C-014	2	4	1/15/2014	2.7	9.3E-03
LT-C-014	8	10	1/15/2014	1.9	6.5E-03
LT-C-015	0	2	1/15/2014	3.2	1.1E-02
LT-C-015	4	6	1/15/2014	2.3	7.9E-03
LT-C-015	8	10	1/15/2014	1.4	4.8E-03
LT-C-016	0	2	1/16/2014	6.6	2.3E-02
LT-C-016	2	4	1/16/2014	2.7	9.3E-03
LT-C-016	10	12	1/16/2014	1.9	6.5E-03
LT-C-017	0	2	1/16/2014	3.6	1.2E-02
LT-C-017	4	6	1/16/2014	2.8	9.6E-03
LT-C-017	6	8	1/16/2014	2.2	7.5E-03
LT-C-018	0	2	1/17/2014	5.1	1.7E-02
LT-C-018	4	6	1/17/2014	2.5	8.6E-03
LT-C-018	8	10	1/17/2014	3.3	1.1E-02
LT-C-018	8	10	1/17/2014	2.9	9.9E-03
LT-C-019	0	2	1/20/2014	1.9	6.5E-03
LT-C-019	4	6	1/20/2014	1.8	6.2E-03
LT-C-019	10	12	1/20/2014	6.8	2.3E-02
LT-C-020	0	2	1/20/2014	2.8	9.6E-03
LT-C-020	2	4	1/20/2014	1.5	5.1E-03
LT-C-020	8	10	1/20/2014	1.9	6.5E-03
LT-C-021	0	2	1/20/2014	9.9	3.4E-02
LT-C-021	2	4	1/20/2014	6.9	2.4E-02
LT-C-021	8	10	1/20/2014	3.1	1.1E-02
LT-C-022	0	2	1/20/2014	16.4	5.6E-02
LT-C-022	4	6	1/20/2014	2.3	7.9E-03
LT-C-022	6	8	1/20/2014	1.4	4.8E-03
LT-C-023	0	2	1/20/2014	1	3.4E-03
LT-C-023	2	4	1/20/2014	0.69	2.4E-03
LT-C-023	10	12	1/20/2014	2.5	8.6E-03
LT-C-024	0	2	4/2/2015	264	9.0E-01
LT-C-024	0	2	4/2/2015	262	9.0E-01
LT-C-024	0	2	1/21/2014	17	5.8E-02
LT-C-024	2	4	1/21/2014	581	2.0E+00
LT-C-024	2	4	1/7/2015	6.9	2.4E-02
LT-C-024	2	4	4/2/2015	1.8	6.2E-03
LT-C-024	4	6	4/2/2015	10.8	3.7E-02
LT-C-024	6	8	4/2/2015	2.5	8.6E-03

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-024	8	10	1/21/2014	99.8	3.4E-01
LT-C-024	8	10	4/2/2015	7.3	2.5E-02
LT-C-024	10	12	4/2/2015	3.2	1.1E-02
LT-C-025	0	2	1/21/2014	5.6	1.9E-02
LT-C-025	4	6	1/21/2014	3.5	1.2E-02
LT-C-025	6	8	1/21/2014	4.7	1.6E-02
LT-C-026	0	2	1/21/2014	38.5	1.3E-01
LT-C-026	4	6	1/21/2014	27	9.3E-02
LT-C-026	4	6	1/21/2014	37.4	1.3E-01
LT-C-026	6	8	1/7/2015	4.3	1.5E-02
LT-C-026	6	8	1/21/2014	63.2	2.2E-01
LT-C-027	0	2	1/21/2014	2.8	9.6E-03
LT-C-027	4	6	1/21/2014	87.4	3.0E-01
LT-C-027	6	8	1/21/2014	8.4	2.9E-02
LT-C-028	0	2	1/24/2014	4.9	1.7E-02
LT-C-028	4	6	1/24/2014	1.5	5.1E-03
LT-C-028	8	10	1/24/2014	0.84	2.9E-03
LT-C-029	0	2	1/27/2014	5.5	1.9E-02
LT-C-029	2	4	1/27/2014	12.5	4.3E-02
LT-C-029	8	10	1/27/2014	1.9	6.5E-03
LT-C-030	0	2	1/27/2014	1.4	4.8E-03
LT-C-030	2	4	1/27/2014	0.71	2.4E-03
LT-C-030	8	10	1/27/2014	1.7	5.8E-03
LT-C-031	0	2	1/27/2014	12	4.1E-02
LT-C-031	2	4	1/27/2014	4.8	1.6E-02
LT-C-031	8	10	1/27/2014	1.5	5.1E-03
LT-C-032	0	2	1/30/2014	85.7	2.9E-01
LT-C-032	2	4	1/30/2014	4.1	1.4E-02
LT-C-032	2	4	1/30/2014	3.1	1.1E-02
LT-C-032	8	10	1/30/2014	1.3	4.5E-03
LT-C-034	0	2	2/4/2014	26	8.9E-02
LT-C-034	4	6	2/4/2014	61.8	2.1E-01
LT-C-034	8	10	2/4/2014	18.4	6.3E-02
LT-C-034	8	10	2/4/2014	9.7	3.3E-02
LT-C-035	0	2	2/4/2014	16.8	5.8E-02
LT-C-035	4	6	2/4/2014	58.6	2.0E-01
LT-C-035	4	6	1/7/2015	652	2.2E+00
LT-C-035	6	8	2/4/2014	18.5	6.3E-02
LT-C-036	0	2	2/4/2014	5.7	2.0E-02
LT-C-036	2	4	2/4/2014	1.5	5.1E-03
LT-C-036	8	10	2/4/2014	4.8	1.6E-02
LT-C-037	0	2	2/4/2014	4.7	1.6E-02
LT-C-037	4	6	2/4/2014	2.4	8.2E-03

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-037	10	12	2/4/2014	1.9	6.5E-03
LT-C-038	0	2	2/4/2014	4.2	1.4E-02
LT-C-038	2	4	2/4/2014	5.6	1.9E-02
LT-C-038	8	10	2/4/2014	1.8	6.2E-03
LT-C-039	0	2	2/4/2014	3.1	1.1E-02
LT-C-039	4	6	2/4/2014	0.81	2.8E-03
LT-C-039	10	12	2/4/2014	5.4	1.9E-02
LT-C-040	0	2	2/5/2014	8.7	3.0E-02
LT-C-040	0	2	2/5/2014	6.7	2.3E-02
LT-C-040	2	4	2/5/2014	63.5	2.2E-01
LT-C-040	8	10	2/5/2014	1.6	5.5E-03
LT-C-041	0	2	2/5/2014	9.3	3.2E-02
LT-C-041	4	6	2/5/2014	3.6	1.2E-02
LT-C-041	10	12	2/5/2014	1.4	4.8E-03
LT-C-042	0	2	2/5/2014	2.4	8.2E-03
LT-C-042	2	4	2/5/2014	1.4	4.8E-03
LT-C-042	8	10	2/5/2014	3.2	1.1E-02
LT-C-043	0	2	2/5/2014	2.3	7.9E-03
LT-C-043	2	4	2/5/2014	8	2.7E-02
LT-C-043	6	8	2/5/2014	2.4	8.2E-03
LT-C-044	0	2	2/5/2014	3.3	1.1E-02
LT-C-044	2	4	2/5/2014	2.1	7.2E-03
LT-C-044	6	8	2/5/2014	1.4	4.8E-03
LT-C-045	0	2	2/6/2014	16.4	5.6E-02
LT-C-045	4	6	2/6/2014	1.9	6.5E-03
LT-C-045	8	10	2/6/2014	4.7	1.6E-02
LT-C-046	0	2	2/6/2014	14.5	5.0E-02
LT-C-046	2	4	2/6/2014	8.4	2.9E-02
LT-C-046	8	10	2/6/2014	2.5	8.6E-03
LT-C-047	0	2	2/6/2014	244	8.4E-01
LT-C-047	2	4	2/6/2014	323	1.1E+00
LT-C-047	6	8	2/6/2014	159	5.4E-01
LT-C-048	0	2	2/20/2014	5.1	1.7E-02
LT-C-048	2	4	2/20/2014	1.5	5.1E-03
LT-C-048	6	8	2/20/2014	5.2	1.8E-02
LT-C-049	0	2	2/20/2014	7.8	2.7E-02
LT-C-049	2	4	2/20/2014	2.6	8.9E-03
LT-C-049	8	10	2/20/2014	1.7	5.8E-03
LT-C-050	0	2	2/7/2014	3.5	1.2E-02
LT-C-050	4	6	2/7/2014	5.7	2.0E-02
LT-C-050	8	10	2/7/2014	4.3	1.5E-02
LT-C-051	0	2	2/7/2014	3.5	1.2E-02
LT-C-051	4	6	2/7/2014	7.3	2.5E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-051	8	10	2/7/2014	0.98	3.4E-03
LT-C-052	0	2	2/18/2014	4	1.4E-02
LT-C-052	2	4	2/18/2014	7.4	2.5E-02
LT-C-053	0	2	2/21/2014	16.4	5.6E-02
LT-C-053	4	6	2/21/2014	3.9	1.3E-02
LT-C-053	6	8	2/21/2014	3.2	1.1E-02
LT-C-054	0	2	2/21/2014	10.6	3.6E-02
LT-C-054	2	4	2/21/2014	3.7	1.3E-02
LT-C-055	0	2	2/10/2014	2.8	9.6E-03
LT-C-055	4	6	2/10/2014	8.2	2.8E-02
LT-C-055	8	10	2/10/2014	4.9	1.7E-02
LT-C-056	0	2	2/10/2014	35.3	1.2E-01
LT-C-056	2	4	1/7/2015	13.1	4.5E-02
LT-C-056	2	4	2/10/2014	105	3.6E-01
LT-C-056	6	8	2/10/2014	32.9	1.1E-01
LT-C-057	0	2	2/21/2014	4.7	1.6E-02
LT-C-057	2	4	2/21/2014	2.7	9.3E-03
LT-C-057	6	8	2/21/2014	0.93	3.2E-03
LT-C-058	0	2	2/19/2014	3.6	1.2E-02
LT-C-058	2	4	2/19/2014	2	6.9E-03
LT-C-058	8	10	2/19/2014	0.97	3.3E-03
LT-C-060	0	2	2/24/2014	6.8	2.3E-02
LT-C-060	4	6	2/24/2014	4.6	1.6E-02
LT-C-060	8	10	2/24/2014	2.7	9.3E-03
LT-C-060	8	10	2/24/2014	2.5	8.6E-03
LT-C-061	0	2	2/25/2014	13.3	4.6E-02
LT-C-061	4	6	2/25/2014	2	6.9E-03
LT-C-061	10	12	2/25/2014	6.3	2.2E-02
LT-C-062	0	2	2/25/2014	1.8	6.2E-03
LT-C-062	2	4	2/25/2014	1.3	4.5E-03
LT-C-062	6	8	2/25/2014	1.3	4.5E-03
LT-C-063	0	2	2/25/2014	1.9	6.5E-03
LT-C-063	2	4	2/25/2014	1.4	4.8E-03
LT-C-063	6	8	2/25/2014	10	3.4E-02
LT-C-064	0	2	2/26/2014	2.9	9.9E-03
LT-C-064	2	4	2/26/2014	3.1	1.1E-02
LT-C-064	8	10	2/26/2014	3.5	1.2E-02
LT-C-065	0	2	2/26/2014	4.4	1.5E-02
LT-C-065	4	6	2/26/2014	4.4	1.5E-02
LT-C-065	6	8	2/26/2014	3.3	1.1E-02
LT-C-066	0	2	2/26/2014	3.2	1.1E-02
LT-C-066	4	6	2/26/2014	2.3	7.9E-03
LT-C-066	6	8	2/26/2014	3.4	1.2E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-067	0	2	2/26/2014	4.6	1.6E-02
LT-C-067	4	6	2/26/2014	4.8	1.6E-02
LT-C-067	6	8	2/26/2014	3.1	1.1E-02
LT-C-067	6	8	2/26/2014	3.6	1.2E-02
LT-C-068	0	2	2/26/2014	3.2	1.1E-02
LT-C-068	4	6	2/26/2014	4	1.4E-02
LT-C-068	8	10	2/26/2014	1.1	3.8E-03
LT-C-069	0	2	2/25/2014	1.7	5.8E-03
LT-C-069	4	6	2/25/2014	2.2	7.5E-03
LT-C-069	6	8	2/25/2014	5.2	1.8E-02
LT-C-070	0	2	2/26/2014	2.9	9.9E-03
LT-C-070	2	4	2/26/2014	2.1	7.2E-03
LT-C-070	8	10	2/26/2014	1.5	5.1E-03
LT-C-071	0	2	2/26/2014	2.5	8.6E-03
LT-C-071	2	4	2/26/2014	2.3	7.9E-03
LT-C-071	8	10	2/26/2014	1.8	6.2E-03
LT-C-072	0	2	2/27/2014	1.5	5.1E-03
LT-C-072	4	6	2/27/2014	2.1	7.2E-03
LT-C-072	6	8	2/27/2014	1.7	5.8E-03
LT-C-073	0	2	2/27/2014	5.8	2.0E-02
LT-C-073	4	6	2/27/2014	1.2	4.1E-03
LT-C-073	8	10	2/27/2014	1.3	4.5E-03
LT-C-074	0	2	2/27/2014	1.5	5.1E-03
LT-C-074	2	4	2/27/2014	2.3	7.9E-03
LT-C-074	6	8	2/27/2014	2.7	9.3E-03
LT-C-075	0	2	3/4/2014	2.6	8.9E-03
LT-C-075	4	6	3/4/2014	3.2	1.1E-02
LT-C-075	8	10	3/4/2014	0.74	2.5E-03
LT-C-076	0	2	3/4/2014	3.2	1.1E-02
LT-C-076	4	6	3/4/2014	1.2	4.1E-03
LT-C-076	6	8	3/4/2014	1.2	4.1E-03
LT-C-077	0	2	9/24/2014	3.2	1.1E-02
LT-C-077	4	6	9/24/2014	1.6	5.5E-03
LT-C-077	4	6	9/24/2014	4	1.4E-02
LT-C-077	10	12	9/24/2014	1	3.4E-03
LT-C-078	0	2	9/24/2014	18.9	6.5E-02
LT-C-078	4	6	9/24/2014	2.9	9.9E-03
LT-C-078	10	12	9/24/2014	7.4	2.5E-02
LT-C-079	0	2	9/24/2014	5.7	2.0E-02
LT-C-079	4	6	9/24/2014	2.3	7.9E-03
LT-C-079	6	8	9/24/2014	2.1	7.2E-03
LT-C-080	0	2	9/24/2014	4.9	1.7E-02
LT-C-080	4	6	9/24/2014	3	1.0E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-080	8	10	9/24/2014	6.1	2.1E-02
LT-C-081	0	2	9/24/2014	6.7	2.3E-02
LT-C-081	4	6	9/24/2014	4.6	1.6E-02
LT-C-081	8	10	9/24/2014	5.4	1.9E-02
LT-C-082	0	2	9/24/2014	15.8	5.4E-02
LT-C-082	4	6	9/24/2014	4.7	1.6E-02
LT-C-082	10	12	9/24/2014	4.8	1.6E-02
LT-C-083	0	2	9/24/2014	4.3	1.5E-02
LT-C-083	4	6	9/24/2014	1.2	4.1E-03
LT-C-083	8	10	9/24/2014	1.4	4.8E-03
LT-C-083	8	10	9/24/2014	1.2	4.1E-03
LT-C-084	0	2	9/24/2014	7.5	2.6E-02
LT-C-084	4	6	9/24/2014	6.2	2.1E-02
LT-C-084	10	12	9/24/2014	5.2	1.8E-02
LT-C-088	0	2	4/3/2015	91.3	3.1E-01
LT-C-088	2	4	4/3/2015	123	4.2E-01
LT-C-088	4	6	4/3/2015	49	1.7E-01
LT-C-088	6	8	4/3/2015	220	7.5E-01
LT-C-088	6	8	4/3/2015	168	5.8E-01
LT-C-088	8	10	4/3/2015	454	1.6E+00
LT-C-088	10	12	4/3/2015	231	7.9E-01
LT-C-088	10	12	4/3/2015	243	8.3E-01
LT-C-088	12	14	4/3/2015	67.2	2.3E-01
LT-C-089	0	2	4/3/2015	4.3	1.5E-02
LT-C-089	2	4	4/3/2015	4.1	1.4E-02
LT-C-089	4	6	4/3/2015	3	1.0E-02
LT-C-089	6	8	4/3/2015	1.4	4.8E-03
LT-C-089	8	10	4/3/2015	1.4	4.8E-03
LT-C-089	10	12	4/3/2015	2.9	9.9E-03
LT-C-090			4/3/2015	3.4	1.2E-02
LT-C-090	2	4	4/3/2015	2.7	9.3E-03
LT-C-090	4	6	4/3/2015	2.5	8.6E-03
LT-C-090	6	8	4/3/2015	1.4	4.8E-03
LT-C-090	6	8	4/3/2015	1.7	5.8E-03
LT-C-090	8	10	4/3/2015	3	1.0E-02
LT-C-090	10	12	4/3/2015	1.1	3.8E-03
LT-C-090	12	14	4/3/2015	1.6	5.5E-03
LT-C-091	0	2	4/7/2015	19.8	6.8E-02
LT-C-091	2	4	4/7/2015	72.8	2.5E-01
LT-C-091	4	6	4/7/2015	9.8	3.4E-02
LT-C-091	6	8	4/7/2015	0.95	3.3E-03
LT-C-091	8	10	4/7/2015	3.1	1.1E-02
LT-C-091	10	12	4/7/2015	1.8	6.2E-03

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-C-092	0	2	4/7/2015	11.6	4.0E-02
LT-C-092	2	4	4/7/2015	3.2	1.1E-02
LT-C-092	4	6	4/7/2015	3.9	1.3E-02
LT-C-092	6	8	4/7/2015	8.7	3.0E-02
LT-C-092	8	10	4/7/2015	2.4	8.2E-03
LT-C-092	10	12	4/7/2015	1.1	3.8E-03
LT-C-093	0	2	4/7/2015	5.6	1.9E-02
LT-C-093	2	4	4/7/2015	1.5	5.1E-03
LT-C-093	4	6	4/7/2015	2.5	8.6E-03
LT-C-093	6	8	4/7/2015	3.6	1.2E-02
LT-C-093	8	10	4/7/2015	8.2	2.8E-02
LT-C-093	10	12	4/7/2015	1.8	6.2E-03
LT-C-094	0	2	4/7/2015	52.1	1.8E-01
LT-C-094	2	4	4/7/2015	26.8	9.2E-02
LT-C-094	2	4	4/7/2015	30.7	1.1E-01
LT-C-094	4	6	4/7/2015	77.2	2.6E-01
LT-C-094	6	8	4/7/2015	6.8	2.3E-02
LT-C-094	8	10	4/7/2015	2.4	8.2E-03
LT-C-095	0	2	4/7/2015	48	1.6E-01
LT-C-095	2	4	4/7/2015	66	2.3E-01
LT-C-095	4	6	4/7/2015	2.3	7.9E-03
LT-C-095	6	8	4/7/2015	2	6.9E-03
LT-C-095	8	10	4/7/2015	4.8	1.6E-02
LT-C-095	10	12	4/7/2015	1.7	5.8E-03
LT-C-096	0	2	4/7/2015	99.3	3.4E-01
LT-C-096	2	4	4/7/2015	1390	4.8E+00
LT-C-096	4	6	4/7/2015	6170	2.1E+01
LT-C-096	6	8	4/7/2015	10400	3.6E+01
LT-C-096	8	10	4/7/2015	396	1.4E+00
LT-C-096	8	10	4/7/2015	460	1.6E+00
LT-C-096	10	12	4/7/2015	12.1	4.1E-02
LT-G-001	0	2	1/27/2014	1.9	6.5E-03
LT-G-001	4	6	1/27/2014	1.1	3.8E-03
LT-G-001	10	12	1/27/2014	4.9	1.7E-02
LT-G-003	0	2	1/28/2014	3.9	1.3E-02
LT-G-003	4	6	1/28/2014	4.6	1.6E-02
LT-G-003	6	8	1/28/2014	6.7	2.3E-02
LT-G-004	0	2	1/28/2014	1.7	5.8E-03
LT-G-004	2	4	1/28/2014	0.75	2.6E-03
LT-G-004	2	4	1/28/2014	2.4	8.2E-03
LT-G-004	6	8	1/28/2014	2.2	7.5E-03
LT-G-005	0	2	1/28/2014	10.1	3.5E-02
LT-G-005	4	6	1/28/2014	3.8	1.3E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-G-005	6	8	1/28/2014	4.7	1.6E-02
LT-G-006	0	2	1/28/2014	4.5	1.5E-02
LT-G-006	4	6	1/28/2014	8.1	2.8E-02
LT-G-006	6	8	1/28/2014	2.4	8.2E-03
LT-G-007	0	2	1/28/2014	11.2	3.8E-02
LT-G-007	2	4	1/28/2014	4.7	1.6E-02
LT-G-007	8	10	1/28/2014	0.85	2.9E-03
LT-G-008	0	2	1/28/2014	12.2	4.2E-02
LT-G-008	2	4	1/28/2014	4	1.4E-02
LT-G-008	6	8	1/28/2014	0.83	2.8E-03
LT-G-009	0	2	1/29/2014	13	4.5E-02
LT-G-009	4	6	1/29/2014	2.7	9.3E-03
LT-G-009	8	10	1/29/2014	1.8	6.2E-03
LT-G-010	0	2	1/29/2014	1.9	6.5E-03
LT-G-010	2	4	1/29/2014	14.5	5.0E-02
LT-G-010	6	8	1/29/2014	2.1	7.2E-03
LT-G-013	0	2	1/29/2014	4	1.4E-02
LT-G-013	2	4	1/29/2014	4	1.4E-02
LT-G-013	8	10	1/29/2014	2.3	7.9E-03
LT-G-014	0	2	1/29/2014	11.6	4.0E-02
LT-G-014	2	4	1/29/2014	4.5	1.5E-02
LT-G-014	2	4	1/29/2014	2.1	7.2E-03
LT-G-014	6	8	1/29/2014	5.4	1.9E-02
LT-G-015	0	2	1/30/2014	5.4	1.9E-02
LT-G-015	2	4	1/30/2014	3.8	1.3E-02
LT-G-015	10	12	1/30/2014	3.4	1.2E-02
LT-G-016	0	2	1/30/2014	3.8	1.3E-02
LT-G-016	2	4	1/30/2014	3.7	1.3E-02
LT-G-016	10	12	1/30/2014	3.3	1.1E-02
LT-G-017	0	2	1/30/2014	5	1.7E-02
LT-G-017	4	6	1/30/2014	5.1	1.7E-02
LT-G-017	6	8	1/30/2014	2.9	9.9E-03
LT-G-018	0	2	1/30/2014	4.8	1.6E-02
LT-G-018	4	6	1/30/2014	6.4	2.2E-02
LT-G-018	6	8	1/30/2014	6.1	2.1E-02
LT-G-019	0	2	2/6/2014	9.7	3.3E-02
LT-G-019	2	14	1/7/2015	3.5	1.2E-02
LT-G-019	2	4	2/6/2014	181	6.2E-01
LT-G-019	8	10	2/6/2014	4.1	1.4E-02
LT-G-020	0	2	2/6/2014	10.5	3.6E-02
LT-G-020	4	6	2/6/2014	3.9	1.3E-02
LT-G-020	10	12	2/6/2014	27.8	9.5E-02
LT-G-021	0	2	2/7/2014	2.6	8.9E-03

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-G-021	4	6	2/7/2014	1.3	4.5E-03
LT-G-021	4	6	2/7/2014	1.8	6.2E-03
LT-G-021	6	8	2/7/2014	2.8	9.6E-03
LT-G-022	0	2	1/14/2015	76.6	2.6E-01
LT-G-022	0	2	2/7/2014	31.8	1.1E-01
LT-G-022	2	4	2/7/2014	5	1.7E-02
LT-G-022	8	10	2/7/2014	0.74	2.5E-03
LT-G-022_A	0	2	4/2/2015	2.3	7.9E-03
LT-G-022_A	2	4	4/2/2015	1.3	4.5E-03
LT-G-022_A	4	6	4/2/2015	1.4	4.8E-03
LT-G-022_A	6	8	4/2/2015	0.84	2.9E-03
LT-G-023	0	2	2/6/2014	12.8	4.4E-02
LT-G-023	2	4	2/6/2014	7	2.4E-02
LT-G-023	6	8	2/6/2014	11.9	4.1E-02
LT-G-023	6	8	2/6/2014	12.8	4.4E-02
LT-G-024	0	2	2/7/2014	4.3	1.5E-02
LT-G-024	2	4	2/7/2014	3.9	1.3E-02
LT-G-024	8	10	2/7/2014	1.1	3.8E-03
LT-G-025	0	2	2/7/2014	23	7.9E-02
LT-G-025	2	4	2/7/2014	22.6	7.7E-02
LT-G-025	6	8	2/7/2014	9.1	3.1E-02
LT-G-026	0	2	2/21/2014	2.1	7.2E-03
LT-G-026	4	6	2/21/2014	2.1	7.2E-03
LT-G-026	6	8	2/21/2014	4.5	1.5E-02
LT-G-027	0	2	2/21/2014	5.8	2.0E-02
LT-G-027	2	4	2/21/2014	5.6	1.9E-02
LT-G-027	8	10	2/21/2014	6	2.1E-02
LT-G-028	0	2	2/24/2014	3.7	1.3E-02
LT-G-028	4	6	2/24/2014	2.6	8.9E-03
LT-G-028	8	10	2/24/2014	2.5	8.6E-03
LT-G-029	0	2	2/24/2014	3	1.0E-02
LT-G-029	2	4	2/24/2014	5	1.7E-02
LT-G-029	8	10	2/24/2014	1	3.4E-03
LT-G-030	0	2	2/24/2014	4.1	1.4E-02
LT-G-030	4	6	2/24/2014	8.6	2.9E-02
LT-G-030	4	6	2/24/2014	4.8	1.6E-02
LT-G-030	6	8	2/24/2014	4.6	1.6E-02
LT-G-031	0	2	2/24/2014	5.2	1.8E-02
LT-G-031	4	6	2/24/2014	1.3	4.5E-03
LT-G-031	6	8	2/24/2014	1.2	4.1E-03
LT-G-032	0	2	2/24/2014	1.5	5.1E-03
LT-G-032	4	6	2/24/2014	2.9	9.9E-03
LT-G-032	6	8	2/24/2014	6.3	2.2E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-G-033	0	2	2/24/2014	5.3	1.8E-02
LT-G-033	2	4	2/24/2014	2	6.9E-03
LT-G-033	6	8	2/24/2014	1.9	6.5E-03
LT-G-034	0	2	2/24/2014	1.4	4.8E-03
LT-G-034	2	4	2/24/2014	11.6	4.0E-02
LT-G-034	6	8	2/24/2014	8	2.7E-02
LT-G-035	0	2	2/24/2014	5.6	1.9E-02
LT-G-035	2	4	2/24/2014	4.6	1.6E-02
LT-G-035	6	8	2/24/2014	2.2	7.5E-03
LT-G-036	0	2	2/25/2014	9.1	3.1E-02
LT-G-036	2	4	2/25/2014	3.2	1.1E-02
LT-G-036	2	4	2/25/2014	4.4	1.5E-02
LT-G-036	6	8	2/25/2014	11.1	3.8E-02
LT-G-037	0	2	2/25/2014	5.9	2.0E-02
LT-G-037	2	4	2/25/2014	4.1	1.4E-02
LT-G-037	6	8	2/25/2014	2.4	8.2E-03
LT-GI-001	0	2	1/30/2014	1.2	4.1E-03
LT-GI-001	4	6	1/30/2014	48.9	1.7E-01
LT-GI-002	0	2	1/30/2014	2.9	9.9E-03
LT-GI-002	2	4	1/30/2014	4	1.4E-02
LT-GI-003	0	2	2/10/2014	5.5	1.9E-02
LT-GI-004	0	2	2/10/2014	17.4	6.0E-02
LT-GI-005	0	2	2/10/2014	12.5	4.3E-02
LT-GI-005	2	4	2/10/2014	12.3	4.2E-02
LT-R-001	0	5	1/31/2014	4.7	1.6E-02
LT-R-001	5	10	1/31/2014	3.5	1.2E-02
LT-R-002	0	5	1/31/2014	119	4.1E-01
LT-R-002	5	10	1/31/2014	12.6	4.3E-02
LT-R-003	0	5	1/31/2014	3.3	1.1E-02
LT-R-003	5	10	1/31/2014	145	5.0E-01
LT-T-001	0	2	2/28/2014	30.3	1.0E-01
LT-T-001	8	10	2/28/2014	11.3	3.9E-02
LT-T-001	10	12	2/28/2014	7.9	2.7E-02
LT-T-002	0	2	2/28/2014	10.5	3.6E-02
LT-T-002	2	4	2/28/2014	19.8	6.8E-02
LT-T-002	12	14	2/28/2014	2.9	9.9E-03
LT-T-002	12	14	2/28/2014	3.1	1.1E-02
LT-T-003	0	2	2/28/2014	10.1	3.5E-02
LT-T-003	6	8	2/28/2014	35.1	1.2E-01
LT-T-003	10	12	2/28/2014	5.6	1.9E-02
LT-T-004	0	2	2/28/2014	60.8	2.1E-01
LT-T-004	4	6	2/28/2014	27.1	9.3E-02
LT-T-004	10	12	2/28/2014	4.3	1.5E-02

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-T-005	0	2	2/28/2014	9.3	3.2E-02
LT-T-005	4	6	2/28/2014	12.4	4.3E-02
LT-T-005	16	19	2/28/2014	5.6	1.9E-02
LT-T-006	0	2	2/28/2014	2.6	8.9E-03
LT-T-006	4	6	2/28/2014	4.9	1.7E-02
LT-T-006	12	14	2/28/2014	4	1.4E-02
LT-T-007	0	2	2/28/2014	5.2	1.8E-02
LT-T-007	6	8	2/28/2014	3.3	1.1E-02
LT-T-007	14	16	2/28/2014	4.6	1.6E-02
LT-T-008	0	2	2/28/2014	8.8	3.0E-02
LT-T-008	6	8	2/28/2014	8.5	2.9E-02
LT-T-008	6	8	2/28/2014	3.7	1.3E-02
LT-T-008	14	16	2/28/2014	5.9	2.0E-02
LT-T-009	0	2	2/28/2014	11.5	3.9E-02
LT-T-009	4	6	2/28/2014	3.4	1.2E-02
LT-T-009	12	14	2/28/2014	10.7	3.7E-02
LT-T-010	0	2	2/28/2014	5.5	1.9E-02
LT-T-010	2	4	2/28/2014	4.4	1.5E-02
LT-T-010	7	8.5	2/28/2014	3.3	1.1E-02
LT-T-011	0	2	2/28/2014	6.4	2.2E-02
LT-T-011	2	4	2/28/2014	86.3	3.0E-01
LT-T-011	6.5	8	2/28/2014	2.5	8.6E-03
LT-T-011_A	0	2	4/2/2015	13.2	4.5E-02
LT-T-011_A	2	4	4/2/2015	11.3	3.9E-02
LT-T-011_A	4	6	4/2/2015	20.7	7.1E-02
LT-T-011_A	6	8	4/2/2015	6	2.1E-02
LT-T-011_A	8	10	4/2/2015	3	1.0E-02
LT-T-012	0	2	2/28/2014	44.1	1.5E-01
LT-T-012	2	4	2/28/2014	55.4	1.9E-01
LT-T-012	4	6	2/28/2014	92.8	3.2E-01
LT-T-012_A	0	2	4/2/2015	5.4	1.9E-02
LT-T-012_A	2	4	4/2/2015	6	2.1E-02
LT-T-012_A	4	6	4/2/2015	1.3	4.5E-03
LT-T-012_A	6	8	4/2/2015	51.4	1.8E-01
LT-T-019_A	0	2	4/2/2015	10.7	3.7E-02
LT-T-019_A	2	4	4/2/2015	2.2	7.5E-03
LT-T-019_A	4	6	4/2/2015	3.3	1.1E-02
LT-T-019_A	6	8	4/2/2015	2.8	9.6E-03
LT-X-001	0	2	1/16/2014	8.4	2.9E-02
LT-X-001	2	4	1/16/2014	6.1	2.1E-02
LT-X-001	8	10	1/16/2014	12.8	4.4E-02
LT-X-002			1/16/2014	4.6	1.6E-02
LT-X-002	0	2	1/16/2014	2.4	8.2E-03

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-X-002	2	4	1/16/2014	15.4	5.3E-02
LT-X-002	8	10	1/16/2014	2.5	8.6E-03
LT-X-003	0	2	1/16/2014	3.9	1.3E-02
LT-X-003	4	6	1/16/2014	2.3	7.9E-03
LT-X-003	8	10	1/16/2014	1.6	5.5E-03
LT-X-004	0	2	1/17/2014	3.3	1.1E-02
LT-X-004	2	4	1/17/2014	2.2	7.5E-03
LT-X-004	10	12	1/17/2014	3.4	1.2E-02
LT-X-005	0	2	1/17/2014	9.2	3.2E-02
LT-X-005	2	4	1/17/2014	2.8	9.6E-03
LT-X-005	6	8	1/17/2014	2	6.9E-03
LT-X-006	0	2	1/17/2014	11.7	4.0E-02
LT-X-006	2	4	1/17/2014	4.9	1.7E-02
LT-X-006	6	8	1/17/2014	2.4	8.2E-03
LT-X-007	0	2	1/17/2014	4.9	1.7E-02
LT-X-007	4	6	1/17/2014	1.2	4.1E-03
LT-X-007	8	10	1/17/2014	3.9	1.3E-02
LT-X-008	0	2	1/27/2014	2.5	8.6E-03
LT-X-008	2	4	1/27/2014	3	1.0E-02
LT-X-008	8	10	1/27/2014	1.3	4.5E-03
LT-X-008	8	10	1/27/2014	1.5	5.1E-03
LT-X-009	0	2	1/27/2014	3.2	1.1E-02
LT-X-009	4	6	1/27/2014	2.4	8.2E-03
LT-X-009	8	10	1/27/2014	5.3	1.8E-02
LT-XC-001	0	2	1/13/2014	1	3.4E-03
LT-XC-001	2	4	1/13/2014	2.2	7.5E-03
LT-XC-001	10	12	1/13/2014	3.7	1.3E-02
LT-XC-002			1/13/2014	2.5	8.6E-03
LT-XC-002	0	2	1/13/2014	3.5	1.2E-02
LT-XC-002	2	4	1/13/2014	1.5	5.1E-03
LT-XC-002	6	8	1/13/2014	0.94	3.2E-03
LT-XC-003	0	2	1/13/2014	1.4	4.8E-03
LT-XC-003	2	4	1/13/2014	1	3.4E-03
LT-XC-003	6	8	1/13/2014	1.6	5.5E-03
LT-XC-004	0	2	1/13/2014	6.7	2.3E-02
LT-XC-004	2	4	1/13/2014	5.9	2.0E-02
LT-XC-004	8	10	1/13/2014	3.4	1.2E-02
LT-XC-005	0	2	1/23/2014	4.3	1.5E-02
LT-XC-005	2	4	1/23/2014	5.6	1.9E-02
LT-XC-005	8	10	1/23/2014	2.3	7.9E-03
LT-XC-006	0	2	1/23/2014	6.6	2.3E-02
LT-XC-006	4	6	1/23/2014	3.6	1.2E-02
LT-XC-006	6	8	1/23/2014	1.5	5.1E-03

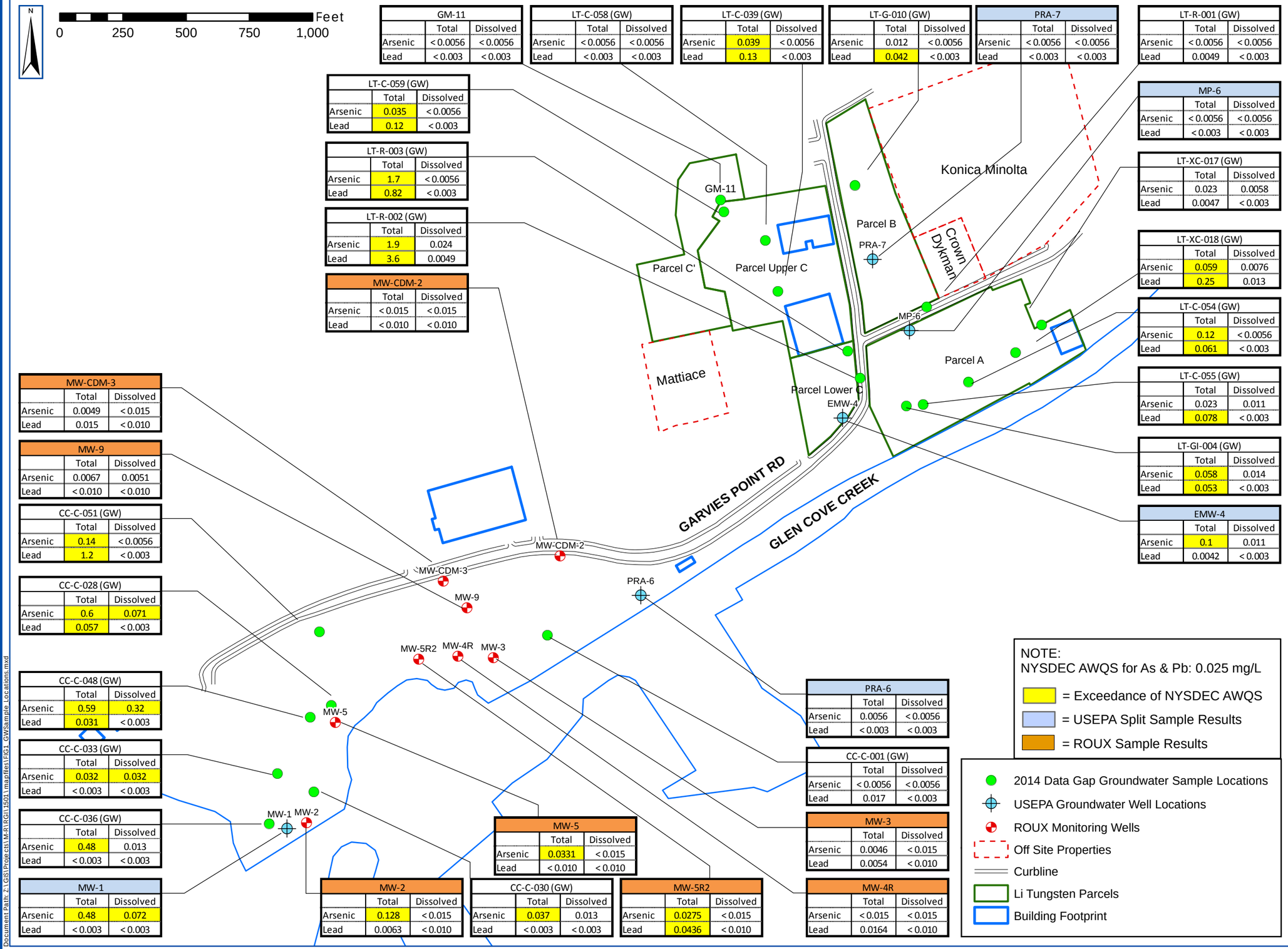
Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-XC-007	0	2	1/23/2014	6.8	2.3E-02
LT-XC-007	2	4	1/23/2014	4.4	1.5E-02
LT-XC-007	6	8	1/23/2014	3.2	1.1E-02
LT-XC-007	6	8	1/23/2014	2.1	7.2E-03
LT-XC-008	0	2	1/23/2014	9.1	3.1E-02
LT-XC-008	4	6	1/23/2014	1.4	4.8E-03
LT-XC-008	8	10	1/23/2014	2.2	7.5E-03
LT-XC-009	0	2	1/23/2014	7.7	2.6E-02
LT-XC-009	4	6	1/23/2014	2.2	7.5E-03
LT-XC-009	8	10	1/23/2014	3.7	1.3E-02
LT-XC-010	0	2	1/24/2014	3.1	1.1E-02
LT-XC-010	2	4	1/24/2014	2.9	9.9E-03
LT-XC-010	8	10	1/24/2014	1.8	6.2E-03
LT-XC-011	0	2	1/24/2014	6.9	2.4E-02
LT-XC-011	2	4	1/24/2014	11.1	3.8E-02
LT-XC-011	8	10	1/24/2014	4	1.4E-02
LT-XC-012	0	2	1/24/2014	4.1	1.4E-02
LT-XC-012	2	4	1/24/2014	3.4	1.2E-02
LT-XC-012	8	10	1/24/2014	3.5	1.2E-02
LT-XC-013	0	2	2/6/2014	1.2	4.1E-03
LT-XC-013	2	4	2/6/2014	0.81	2.8E-03
LT-XC-013	6	8	2/6/2014	1.6	5.5E-03
LT-XC-014	0	2	2/6/2014	29.7	1.0E-01
LT-XC-014	2	4	2/6/2014	27.6	9.5E-02
LT-XC-014	6	8	2/6/2014	23.6	8.1E-02
LT-XC-015	0	2	2/7/2014	5.4	1.9E-02
LT-XC-015	4	6	2/7/2014	4.7	1.6E-02
LT-XC-015	8	10	2/7/2014	6	2.1E-02
LT-XC-016	0	2	2/7/2014	4.9	1.7E-02
LT-XC-016	2	4	2/7/2014	4.2	1.4E-02
LT-XC-016	8	10	2/7/2014	19	6.5E-02
LT-XC-017	0	2	2/10/2014	4.6	1.6E-02
LT-XC-017	4	6	2/10/2014	2.3	7.9E-03
LT-XC-017	8	10	2/10/2014	8	2.7E-02
LT-XC-018	0	2	2/10/2014	3.7	1.3E-02
LT-XC-018	0	2	2/10/2014	2.8	9.6E-03
LT-XC-018	2	4	2/10/2014	3.1	1.1E-02
LT-XC-018	8	10	2/10/2014	34.6	1.2E-01
LT-XC-019	0	2	2/18/2014	5.5	1.9E-02
LT-XC-019	2	4	2/18/2014	7.8	2.7E-02
LT-XC-019	8	10	2/18/2014	7.2	2.5E-02
LT-XC-020	0	2	2/20/2014	3.4	1.2E-02
LT-XC-020	4	6	2/20/2014	2.1	7.2E-03

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
LT-XC-020	6	8	2/20/2014	1.9	6.5E-03
LT-XC-021	0	2	2/18/2014	5.3	1.8E-02
LT-XC-021	4	6	2/18/2014	1	3.4E-03
LT-XC-022	0	2	2/18/2014	6.8	2.3E-02
LT-XC-022	2	4	2/18/2014	6.2	2.1E-02
LT-XC-022	2	4	2/18/2014	10.7	3.7E-02
LT-XC-023	0	2	2/19/2014	11.5	3.9E-02
LT-XC-023	4	6	2/19/2014	19.3	6.6E-02
LT-XC-023	8	10	2/19/2014	34.9	1.2E-01
LT-XC-024	0	2	2/19/2014	29.6	1.0E-01
LT-XC-024	4	6	2/19/2014	9.2	3.2E-02
LT-XC-024	8	10	2/19/2014	6	2.1E-02
LT-XC-025	0	2	2/27/2014	19.8	6.8E-02
LT-XC-025	4	6	2/27/2014	11.5	3.9E-02
LT-XC-025	6	8	2/27/2014	5.3	1.8E-02
LT-XC-025	6	8	2/27/2014	8.6	2.9E-02
PA3__A	0	2	4/2/2015	8.8	3.0E-02
PA3__A	2	4	4/2/2015	11.9	4.1E-02
PA3__A	4	6	4/2/2015	20.6	7.1E-02
PA3__A	6	8	4/2/2015	25.8	8.8E-02
PLC1_A	0	2	4/2/2015	89.9	3.1E-01
PLC1_A	2	4	4/2/2015	75.6	2.6E-01
PLC1_A	2	4	4/2/2015	285	9.8E-01
PLC1_A	2	4	4/2/2015	264	9.0E-01
PLC1_A	4	6	4/2/2015	239	8.2E-01
PLC1_A	4	6	4/2/2015	91.7	3.1E-01
PLC1_A	6	8	4/2/2015	1.7	5.8E-03
PLC1_A	8	10	4/2/2015	1.6	5.5E-03
PLC1_A	10	12	4/2/2015	2.2	7.5E-03
PLC1_A	12	14	4/2/2015	4.3	1.5E-02
PLC2_A	0	2	4/2/2015	511	1.8E+00
PLC2_A	0	2	4/2/2015	342	1.2E+00
PLC2_A	2	4	4/2/2015	451	1.5E+00
PLC2_A	2	4	4/2/2015	291	1.0E+00
PLC2_A	4	6	4/2/2015	42.9	1.5E-01
PLC2_A	4	6	4/2/2015	74.1	2.5E-01
PLC2_A	6	8	4/2/2015	136	4.7E-01
PLC5_A	0	2	4/3/2015	74.7	2.6E-01
PLC5_A	2	4	4/3/2015	24	8.2E-02
PLC5_A	4	6	4/3/2015	13.8	4.7E-02
PLC5_A	6	8	4/3/2015	31.9	1.1E-01
PLC5_A	8	10	4/3/2015	156	5.3E-01
PLC5_A	8	10	4/3/2015	106	3.6E-01

Table C.1 Comparison of Soil Arsenic Concentrations to Soil MTGW Screening Level Glen Cove Waterfront Redevelopment Project; Glen Cove, NY					
Sampling Location	**Top Depth** (ft)	**Bottom Depth** (ft)	**Sample Date**	**Conc** (mg/kg)	**Ratio of Conc to MTGW SSL**
SBFT-1_A	0	2	4/1/2015	3.6	1.2E-02
SBFT-1_A	2	4	4/1/2015	3.3	1.1E-02
SBFT-1_A	4	6	4/1/2015	4.5	1.5E-02
SBFT-1_A	6	8	4/1/2015	21.2	7.3E-02
SBFT-1_A	8	10	4/1/2015	5.5	1.9E-02
Notes:					
Migration to groundwater soil screening level (MtGW SSL) = 292 mg/kg.					
Ratios of concentration to MTGW SSL above 1 are grey-shaded.					
For nondetect samples, concentration assumed to equal 1/2 the detection limit.					

RAMBOLL ENVIRON

ATTACHMENT D
GROUNDWATER SAMPLING RESULTS



GM-11	Total	Dissolved
Arsenic	< 0.0056	< 0.0056
Lead	< 0.003	< 0.003

LT-C-058 (GW)	Total	Dissolved
Arsenic	< 0.0056	< 0.0056
Lead	< 0.003	< 0.003

LT-C-039 (GW)	Total	Dissolved
Arsenic	0.039	< 0.0056
Lead	0.13	< 0.003

LT-G-010 (GW)	Total	Dissolved
Arsenic	0.012	< 0.0056
Lead	0.042	< 0.003

PRA-7	Total	Dissolved
Arsenic	< 0.0056	< 0.0056
Lead	< 0.003	< 0.003

LT-R-001 (GW)	Total	Dissolved
Arsenic	< 0.0056	< 0.0056
Lead	0.0049	< 0.003

LT-C-059 (GW)	Total	Dissolved
Arsenic	0.035	< 0.0056
Lead	0.12	< 0.003

MP-6	Total	Dissolved
Arsenic	< 0.0056	< 0.0056
Lead	< 0.003	< 0.003

LT-R-003 (GW)	Total	Dissolved
Arsenic	1.7	< 0.0056
Lead	0.82	< 0.003

LT-XC-017 (GW)	Total	Dissolved
Arsenic	0.023	0.0058
Lead	0.0047	< 0.003

LT-R-002 (GW)	Total	Dissolved
Arsenic	1.9	0.024
Lead	3.6	0.0049

LT-XC-018 (GW)	Total	Dissolved
Arsenic	0.059	0.0076
Lead	0.25	0.013

MW-CDM-2	Total	Dissolved
Arsenic	< 0.015	< 0.015
Lead	< 0.010	< 0.010

LT-C-054 (GW)	Total	Dissolved
Arsenic	0.12	< 0.0056
Lead	0.061	< 0.003

MW-CDM-3	Total	Dissolved
Arsenic	0.0049	< 0.015
Lead	0.015	< 0.010

LT-C-055 (GW)	Total	Dissolved
Arsenic	0.023	0.011
Lead	0.078	< 0.003

MW-9	Total	Dissolved
Arsenic	0.0067	0.0051
Lead	< 0.010	< 0.010

LT-GI-004 (GW)	Total	Dissolved
Arsenic	0.058	0.014
Lead	0.053	< 0.003

CC-C-051 (GW)	Total	Dissolved
Arsenic	0.14	< 0.0056
Lead	1.2	< 0.003

EMW-4	Total	Dissolved
Arsenic	0.1	0.011
Lead	0.0042	< 0.003

CC-C-028 (GW)	Total	Dissolved
Arsenic	0.6	0.071
Lead	0.057	< 0.003

CC-C-048 (GW)	Total	Dissolved
Arsenic	0.59	0.32
Lead	0.031	< 0.003

CC-C-033 (GW)	Total	Dissolved
Arsenic	0.032	0.032
Lead	< 0.003	< 0.003

CC-C-036 (GW)	Total	Dissolved
Arsenic	0.48	0.013
Lead	< 0.003	< 0.003

MW-1	Total	Dissolved
Arsenic	0.48	0.072
Lead	< 0.003	< 0.003

MW-2	Total	Dissolved
Arsenic	0.128	< 0.015
Lead	0.0063	< 0.010

CC-C-030 (GW)	Total	Dissolved
Arsenic	0.037	0.013
Lead	< 0.003	< 0.003

MW-5	Total	Dissolved
Arsenic	0.0331	< 0.015
Lead	< 0.010	< 0.010

MW-5R2	Total	Dissolved
Arsenic	0.0275	< 0.015
Lead	0.0436	< 0.010

PRA-6	Total	Dissolved
Arsenic	0.0056	< 0.0056
Lead	< 0.003	< 0.003

CC-C-001 (GW)	Total	Dissolved
Arsenic	< 0.0056	< 0.0056
Lead	0.017	< 0.003

MW-3	Total	Dissolved
Arsenic	0.0046	< 0.015
Lead	0.0054	< 0.010

MW-4R	Total	Dissolved
Arsenic	< 0.015	< 0.015
Lead	0.0164	< 0.010

NOTE:
NYSDEC AWQS for As & Pb: 0.025 mg/L

- = Exceedance of NYSDEC AWQS
- = USEPA Split Sample Results
- = ROUX Sample Results

- 2014 Data Gap Groundwater Sample Locations
- USEPA Groundwater Well Locations
- ROUX Monitoring Wells
- Off Site Properties
- Curbline
- Li Tungsten Parcels
- Building Footprint

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Project:	RGI1501	Designed by:	AJR
Date:	2/5/2015	Drawn by:	JCG
Scale:	AS SHOWN	Approved by:	DE

GROUNDWATER SAMPLE LOCATIONS ARSENIC & LEAD RESULTS

GLEN ISLE

FIGURE NO: 1

SHEET:

Document Path: Z:\GIS\Projects\M-R\RGI\1501\mapfiles\FIG1_GWSample Locations.mxd