EnviroTrac
Environmental Services

August 16, 2012

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region One
Stony Brook University
50 Circle Road, Stony Brook, New York 11790-3409

Attn: Mr. John Sheehan

Re: Supplemental Site Characterization and Investigation Work Plan
Former CAMCO Site Characterization and Investigation
2125 Smithtown Avenue, Ronkonkoma, New York
Index # A1-0627-12-09 Site # 152206

Dear Mr. Sheehan:

EnviroTrac Ltd. (EnviroTrac) was retained by the Town of Islip (TOI) to conduct environmental assessment activities at the former CAMCO facility (Site) that are being implemented with oversight of the New York State Department of Environmental Conservation (NYSDEC).

A draft Site Characterization and Investigation Report (draft Report) dated April, 2012, summarizing work conducted in accordance with the NYSDEC approved Site Characterization and Investigation Work Plan (Work Plan) dated October 12, 2011, was presented to the NYSDEC for review and comment. The NYSDEC subsequently provided comments pertaining to the report in correspondence dated May 22, 2012 that included the following requests for additional evaluations:

1) An assessment of private water wells in the vicinity of the Site;
2) Documentation regarding demolition of the former building on Parcel A that was conducted by the TOI during late 2011, with a focus on soil quality beneath the removed foundation slab; and
3) Performance of a supplemental investigation to further evaluate the areas of the Site that have been identified as being impacted and to determine if the impacted areas will require remediation.

This ***Supplemental Site Characterization and Investigation Work Plan*** presents proposed work elements to address these requests and was developed to include results of discussions with, and correspondence received from, the NYSDEC during its preparation.

1) Assessment of Private Water Wells in the Vicinity of the Site

Documentation regarding the existence and location of public/industrial water wells in the vicinity of the Site was obtained from Environmental Data Resources Inc (EDR) and presented in the NYSDEC approved October 2011 Work Plan. No records regarding private wells were

identified through that search. To follow up on the request from the NYSDEC regarding information pertaining to private wells in the vicinity of the Site, EnviroTrac will contact the Suffolk County Water Authority (SCWA) to obtain documentation showing the extent of municipal water service to the vicinity of the Site within the area shown on Figure 1 (attached). This area extends in the downgradient direction beyond a one-half mile search radius that was requested by the NYSDEC in communications held during preparation of this work scope. In addition, the Suffolk County Department of Health Services (SCDHS) will be contacted to further evaluate the possible presence of private wells within the area of interest. The presence and use of private wells is highly unlikely as there are no residences located within the proposed search area.

2) Documentation Pertaining to the Demolition of the Former Building on Parcel A

EnviroTrac was present on-site, at the request of the TOI, during some of the demolition activities that were conducted at Parcel A during late 2011. The former building that occupied Parcel A, a one and two story structure, was constructed on a concrete slab-on-grade foundation. Slab removal provided an opportunity to observe the soil directly underlying the footprint of the former structure and, through visual and olfactory indicators, to qualitatively ascertain whether gross levels of contamination were potentially present. Based on EnviroTrac's observations there was no evidence of this condition noted. Photographic documentation and a narrative regarding observations pertaining to removal of the foundation slab are provided in Attachment A.

3) Proposed Supplemental Investigation

Currently Defined Environmental Conditions at the Site

Results of previous testing conducted in accordance with the Work Plan have revealed the presence of chemical constituents in environmental media at concentrations that exceed regulatory comparison criteria and/or at levels that may create adverse impacts to human health and the environment under certain scenarios.

Groundwater

There are currently six monitoring wells installed at and in the near vicinity of the Site that are being used to assess groundwater. Three of these (MW-1, MW-2 and MW-3) were installed prior to initiating the current investigation and the remaining three (MW-4, MW-5 and MW-6) were installed during late 2011 as a component of the current work. Results of sampling the recently installed wells, conducted during February 2012, revealed the presence of specific metals, volatile and semi-volatile organic compounds (VOCs and SVOCs) and organochlorine pesticides in groundwater at levels exceeding applicable NY Ambient Water Quality Standards. The approximate depth to groundwater in the vicinity of the Site is 53 feet below grade and the direction of groundwater flow is to the southwest under a hydraulic gradient of 0.002 ft/ft based on recent measurements recorded in the six wells (see Attachment B for Figures 5-2, 5-3 and 5-5 from the draft Report).

Soil

Soil sampling was conducted at Parcel A and Parcel B during the current investigation. One shallow soil sample collected at Parcel A during December 2011 was found to slightly exceed the Part 375 Unrestricted Use Soil Cleanup Objective (the most stringent SCO) for one polychlorinated biphenyl (PCB) compound (see Attachment C for Figure 5-1 from the draft Report).

Soil Vapor and Sub-Slab Soil Vapor

Soil vapor and sub-slab soil vapor sampling conducted in February 2012 revealed the presence of VOCs including tetrachloroethene and trichloroethene at concentrations that may, according to comparison of results to criteria utilized by the New York State Department of Health (NYSDOH), represent concerns pertaining to soil vapor intrusion to existing or future structures. However, the Site currently does not include any occupied structures as the building that occupied Parcel A was demolished in 2011 and the hanger at Parcel B is used only for equipment storage (see Attachment D for Figures 4-2 and 4-3 and Tables 5-1, 5-2, and 5-6 from the draft Report). Sampling locations were selected with consideration for former and current site use and in consultation in the field with the NYSDEC. Information regarding the rationale for sample location selection and photographic documentation of the established sampling points and surrounding areas will be included in the final report.

Additional soil vapor testing was conducted in an out of scope capacity at Parcel B during March 2012 to confirm results of the February testing and further assess the potential for soil vapor intrusion. This testing included the collection of a sub-slab soil vapor sample at established testing location SVP-2 and the collection of an ambient air sample. Results of this testing, which were not included in the draft Report as it was not a component of the proposed scope presented in the Work Plan, compare well with the February findings pertaining to location SVP-2. Tables summarizing February and March testing results are provided in Attachment D.

Proposed Supplemental Scope of Work

The following scope of work has been developed to address the comments provided in the NYSDEC's May 2012 correspondence using results of testing presented in the draft Report and in accordance with established project goals and objectives. The intent of the proposed technical approach is to complete the site investigation through implementation of the procedures discussed below. It is our understanding that the NYSDEC may, or may not, require several iterations of data gathering and reporting in order to consider the characterization complete in accordance with regulatory requirements. The need to implement more than one investigative work phase will determined based on results of testing conducted during Phase I of the Supplemental Investigation as described below. The proposed work will be conducted using methods and in accordance with quality assurance procedures provided in the Work Plan.

<u>Supplemental Investigation Phase I</u>

The initial work scope comprised of Tasks 1A and 1B, as discussed below, will be initiated within one week of NYSDEC's approval to proceed. A draft interim summary report (Task 1C) that will present data generated during Phase I and corresponding conclusions and

recommendations will be submitted to the NYSDEC for review. Based on those comments, the next step will entail finalization of the report and the Electronic Data Deliverable (EDD) or, if the NYSDEC has determined that the site characterization remains incomplete, implementation of additional testing discussed in Phase II.

Following NYSDEC's approval of this proposed approach, approximately four months will be required to conduct the field program and proceed to finalizing the report, assuming that Phases II and III (see below) will not be required.

Task 1A – Groundwater Sampling

Existing groundwater monitoring wells MW-1 through MW-6 (Figure 5-5, Attachment B) will be sampled using low-flow protocol in accordance with procedures provided in the Work Plan. These samples, and required quality control blank, spike and duplicate samples, will be analyzed in the laboratory for the full target compound and analyte list (TCL/TAL) consisting of a comprehensive suite of VOCs, SVOCs, metals, PCBs, organochlorine pesticides and cyanide. Full deliverable (Category B) laboratory reporting will be validated by a third party chemist and a data usability summary report (DUSR) prepared. Gauging data recorded using the six wells will be used to determine the general direction of groundwater flow and calculate hydraulic gradient in the vicinity of the Site.

Task 1B – Soil Vapor Sampling at Parcel A

The draft Report provided a comparison of soil vapor sampling results for testing conducted at Parcel A during 2008 and 2012 that revealed significant decreases in VOCs found in soil vapor over that period (Table 5-2, Attachment D). However, concentrations of some constituents including tetrachloroethene and trichloroethene were found to remain at levels that may, using criteria developed by the NYSDOH, present concerns pertaining to potential soil vapor intrusion to structures that may be constructed at Parcel A in the future. The degree to which these declines are attributable to the recent removal of the building, due to resultant changes in geochemical conditions in the shallow soil within the former footprint of the building, is unknown.

An additional round of soil vapor sampling will be conducted at Parcel A to further evaluate attenuation/persistence of VOCs. Existing soil vapor monitoring points SG-1, SG-2, SG-5, SG7, SG-8 and SG-9, installed at locations shown on Figure 4-2 provided in Attachment D, will be sampled in accordance with procedures provided in the Work Plan using laboratory supplied and certified 6-liter Summa Canisters. A helium tracer will be used to assess the potential for infiltration of outdoor air during sample collection. These samples, and a quality control blind duplicate, will be analyzed in the laboratory for the TO-15 list of VOCs.

In accordance with the NYSDEC's Division of Environmental Remediation (DER)-10 Technical Guidance for Site Investigation and Remediation, third-party validation of the results of soil vapor samples collected is required if a health-based decision is to be made. The purpose of the additional round of vapor sampling is only to determine if the levels of VOCs previously detected in the subsurface have decreased, and thus, data validation will not be necessary.

Task 1C – Prepare Interim Summary Report for NYSDEC Review and Comment

Results of Tasks 1A and 1B will be compiled in summary tables and figures and provided to the NYSDEC in a letter report for review that will include a summary of the testing conducted, an assessment of results and recommendations for further work as deemed appropriate.

Task 1D – Finalize Draft Report and Electronic Data Deliverable (only if endpoint of project – otherwise proceed to Phase II if NYSDEC determines that additional evaluation is needed)

If the NYSDEC determines that sufficient site characterization has been completed based on the information provided in the Phase I Interim Summary Report then the April 2012 Draft Site Characterization and Investigation Report will be updated to include the new information developed through implementation of the Phase I work elements. Results of confirmation sub-slab soil vapor sampling previously conducted at Parcel B on March 9, 2012 will be validated and presented in the final report.

The project EDD will be completed and submitted to the NYSDEC in accordance with the Work Plan.

Supplemental Investigation Phase II (If Warranted and Deemed Necessary)

The NYSDEC has indicated that, based on results of the Phase I testing, an additional round of groundwater and/or soil vapor sampling may be required to further assess the persistence of chemical compounds of interest. Based on the NYSDEC's review of the Phase I interim report (see Task 1C above) a determination to conduct this supplemental work will be made. Following completion of the Phase II work a summary report will be prepared following the review process discussed in Phase I. Based on NYSDEC's comments a determination will be made that will include either the finalization of the report and EDD or implementation of the Phase III investigation scope. If additional rounds of groundwater and/or soil vapor sampling are required they will be conducted no sooner than 4 months following the corresponding testing conducted in Phase I as the results will be used to assess natural attenuation rates of chemical constituents.

Following NYSDEC's approval of this proposed approach, approximately six months will be required to conduct the field program and proceed to finalizing the report, assuming that Phase III (see below) will not be required.

Task 2A – Groundwater Sampling

See Task 1A for the proposed scope of work.

Task 2B – Soil Vapor Sampling at Parcel A

See Task 1B for the proposed scope of work.

Task 2C – Prepare Interim Summary Report for NYSDEC

Results of Tasks 2A and/or 2B will be compiled in summary tables and figures and provided to the NYSDEC in a letter report for review that will include a summary of the testing conducted and recommendations based on results.

Task 2D – Finalize Draft Report and Electronic Data Deliverable (only if endpoint of project – otherwise proceed to Phase III if NYSDEC determines that additional evaluation is needed)

If the NYSDEC determines that sufficient site characterization has been completed based on the information provided in the Phase II Interim Summary Report then the April 2012 Draft Site Characterization and Investigation Report will be updated to include the new information developed through implementation of the Phase I and II work elements. Results of confirmation sub-slab soil vapor sampling previously conducted at Parcel B on March 9, 2012 will be validated and presented in the final report.

The project EDD will be completed and submitted to the NYSDEC in accordance with the Work Plan.

Supplemental Investigation Phase III (If Warranted and Deemed Necessary)

The Phase III work scope will consist of a two-day direct sensing soil evaluation. Result of this work will be compiled and provided to the NYSDEC with a request to complete the field investigation activities and generate the final report and EDD.

Following NYSDEC's approval of this proposed approach, approximately seven months will be required to conduct the field program and proceed to finalizing the report.

Task 3A – Direct Push Soil Profiling

A Geoprobe drilling rig will be used in conjunction with a Membrane Interface Probe/Electrical Conductivity (MIP/EC) system to log the soil to a depth of approximately 50 feet below grade at approximately ten (10) locations. These locations will be selected within Parcels A and B based on data gathered through the completion of the Supplemental Site Investigation Phase II and in conjunction with future discussions with the NYSDEC pertaining to this work. The MIP/EC logging will focus on assessing chemical compound distributions in the subsurface and to support further evaluation of the soil vapor and groundwater testing results.

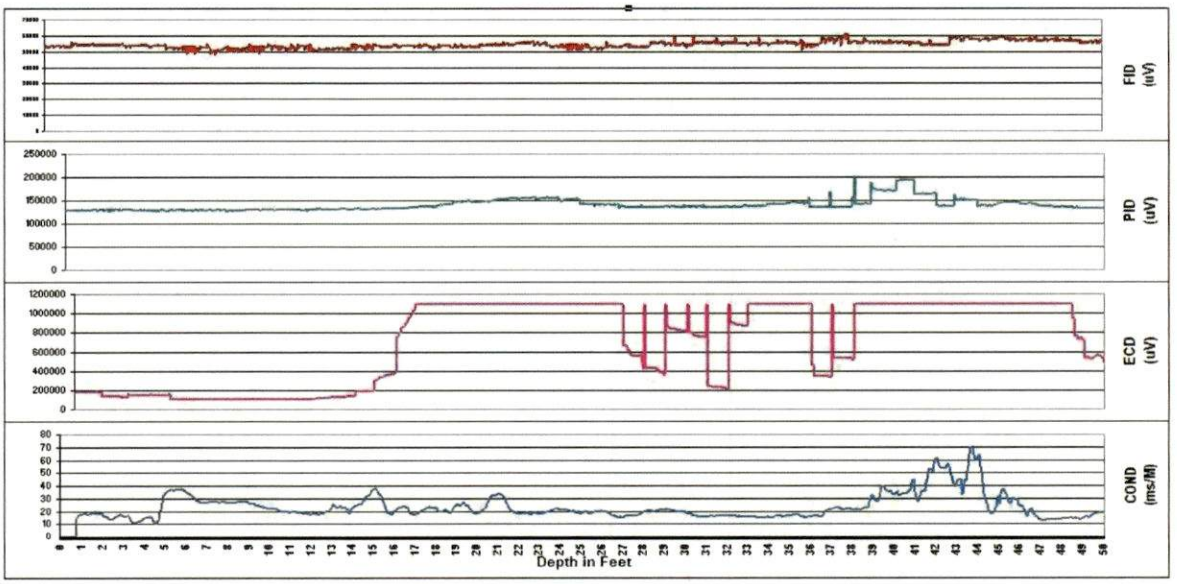
The MIP provides a high resolution continuous chemical profile of the soil column and can distinguish petroleum from chlorinated compounds (both have been detected at the Site) with an on-site data acquisition system utilizing laboratory grade instrumentation that includes a Photoionization Detector (PID), a Flame Ionization Detector (FID), and an Electron Capture Detector (ECD). The MIP log provides semi-quantitative/qualitative information on contaminant levels and combined use of the MIP and EC logs provides information on contaminant distribution and migration pathways.

The MIP/EC system:

- Detects volatile contaminants in real-time while the probe is driven to depth;
- Can be used to identify areas of high concentrations;
- System provides simultaneous log of VOCs and soil conductivity; and
- The MIP indicates:
  - where the contaminant is encountered at depth;
  - how the concentration of contaminants varies over distance; and
  - where the contaminant occurs in relation to lithology.

Soil conductivity and resistivity (the inverse of conductivity) have long been used as tools to classify soils. In general, higher electrical conductivities are representative of finer grained sediments, such as silts or clays, while sands and gravels are characterized by distinctly lower electrical conductivities.

Following is an example EC/MIP log.



Testing locations will subsequently be surveyed by a professional land surveyor for use in mapping and for inclusion in the NYSDEC required EDD.

Task 3B – Finalize Draft Report and Electronic Data Deliverable

The April 2012 Draft Site Characterization and Investigation Report will be updated to include the new information developed through implementation of the Phase I through III work elements. Results of confirmation sub-slab soil vapor sampling previously conducted at Parcel B on March 9, 2012 will be validated and presented in the final report.

EnviroTrac

The project EDD will be completed and submitted to the NYSDEC in accordance with the Work Plan.

Please do not hesitate to contact the undersigned if you have any questions regarding the presented scope of work or require further information.

Sincerely,

EnviroTrac Ltd.

Peter C. Breen, CPG
Senior Project Manager

Attachments

cc: T. Hennessey, Town of Islip

FIGURES

AERIAL PHOTOGRAPH

Figure 1
Proposed Private Well Survey Area

CAMCO
2125 Smithtown Ave.
Ronkonkoma, NY

N
W E
S

EnviroTrac
Environmental Services
5 Old Dock Road
Yaphank, NY 11980
P: 631-924-3001 F:631-924-5001

ATTACHMENT A
PHOTOGRAPHIC DOCUMENTATION – PARCEL A FOUNDATION SLAB DEMOLITION

EnviroTrac
Environmental Services

Former Parcel A Building Slab Removal Summary

Between October 27 and 31, 2011 EnviroTrac, at the request of the Town of Islip, was present onsite as Riley excavation of Bay Shore New York (Riley) removed the concrete flooring and footings (slab) associated with the former CAMCO building located on Parcel A. Specifically, EnviroTrac's assignment was to monitor, observe, and document the subsurface soil conditions as the concrete flooring was removed by Riley.

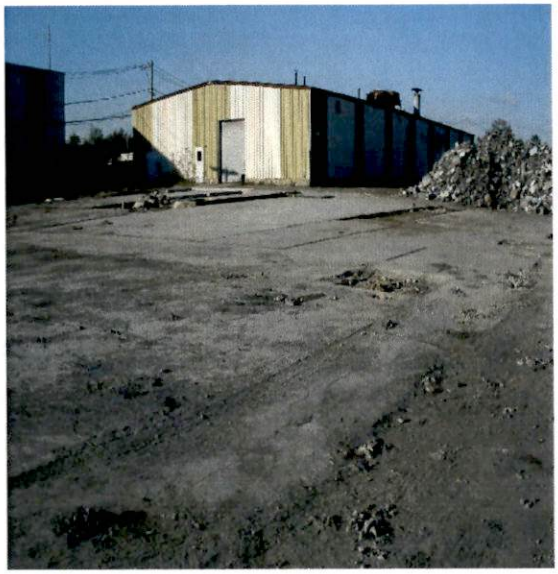
On October 27, 2011, concrete in the vicinity of previously sampled soil gas points SG-4, SG-5, SG-7, and SG-8 was removed by Riley. A visual inspection of the soil showed no apparent staining in any of those sections. EnviroTrac utilized an 11.7 volt photo-ionization detector (PID) to screen the recently uncovered soil near the previous soil gas sample point locations. Grab samples were collected from the soil around the SG-4, SG-5, SG-7, and SG-8 locations for screening purposes. The PID readings for all four (4) soil samples that were screened were 0.0 parts per million (ppm).

On October 28 and 31, 2011 Concrete removal activities continued at the Site. The soil beneath the former slab showed no apparent signs of staining or of previous discharges.

EnviroTrac

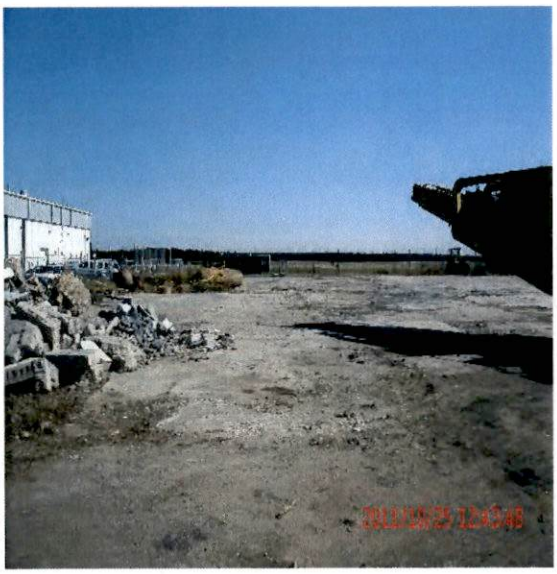
Photographic Documentation – Parcel A Foundation Slab Demolition

Former CAMCO Site
2125 Smithtown Avenue
Ronkonkoma, New York



1. View looking West toward the Hanger on Parcel B from the northeastern portion of the Site.

3. View looking East from the central portion of the Site.



2. View looking East from the central location of the Site.

4. View looking East from the former drum storage area. (SG-7)

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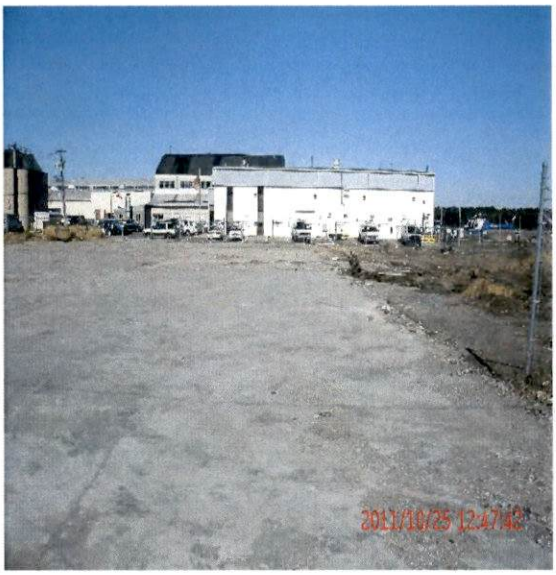
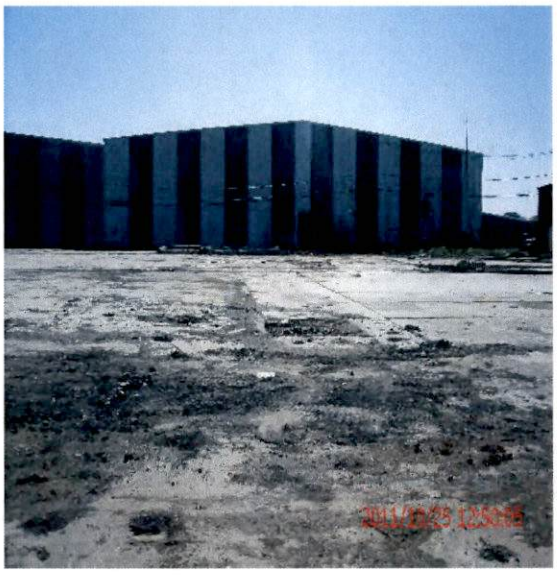
Photographic Documentation – Parcel A Foundation Slab Demolition

Former CAMCO Site
2125 Smithtown Avenue
Ronkonkoma, New York



5. View from the Southeastern portion of the property looking North, prior to concrete removal activities.

7. View from the Northern portion of the Site looking South post foundation removal.



6. View from the Northern portion of the property looking south Prior to concrete removal activities.

8. Concrete removal activities at the former drum storage area, looking northwest. (SG-7)

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Photographic Documentation – Parcel A Foundation Slab Demolition

Former CAMCO Site
2125 Smithtown Avenue
Ronkonkoma, New York

9.) View of the soil on the northern portion of the Site after excavation activities.

11. Concrete removal activities at the former drum storage area. (SG-7)

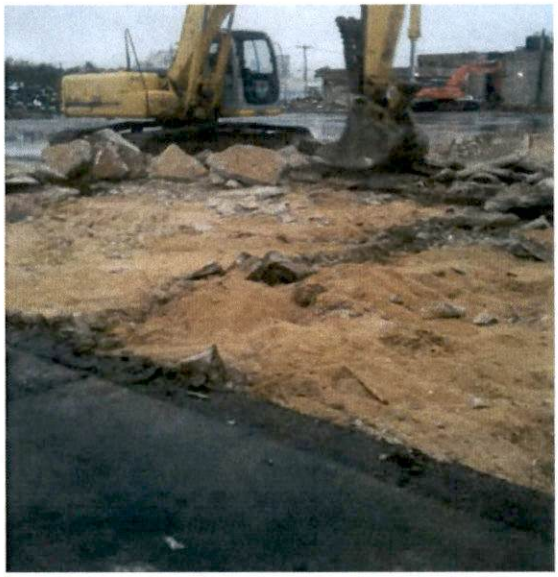
10.) View of the sand across the central portion of the site post concrete removal.

12.) View of the former drum storage area prior to concrete removal activities. (SG-7)

EnviroTrac
Environmental Services

Photographic Documentation – Parcel A Foundation Slab Demolition

Former CAMCO Site
2125 Smithtown Avenue
Ronkonkoma, New York



13.) View looking northwest during concrete removal activities in the southeastern portion of the Site.

15.) View looking East across the Site post concrete foundation removal.

14.) View looking north from the southeastern portion of the Site.

16.) View looking west from the southeastern portion of the Site.

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Photographic Documentation – Parcel A Foundation Slab Demolition

Former CAMCO Site
2125 Smithtown Avenue
Ronkonkoma, New York

17.) Old abandoned gas line trench on the southern portion of the Site.

18.) View from the northwest section of the Site looking Southeast post foundation removal.

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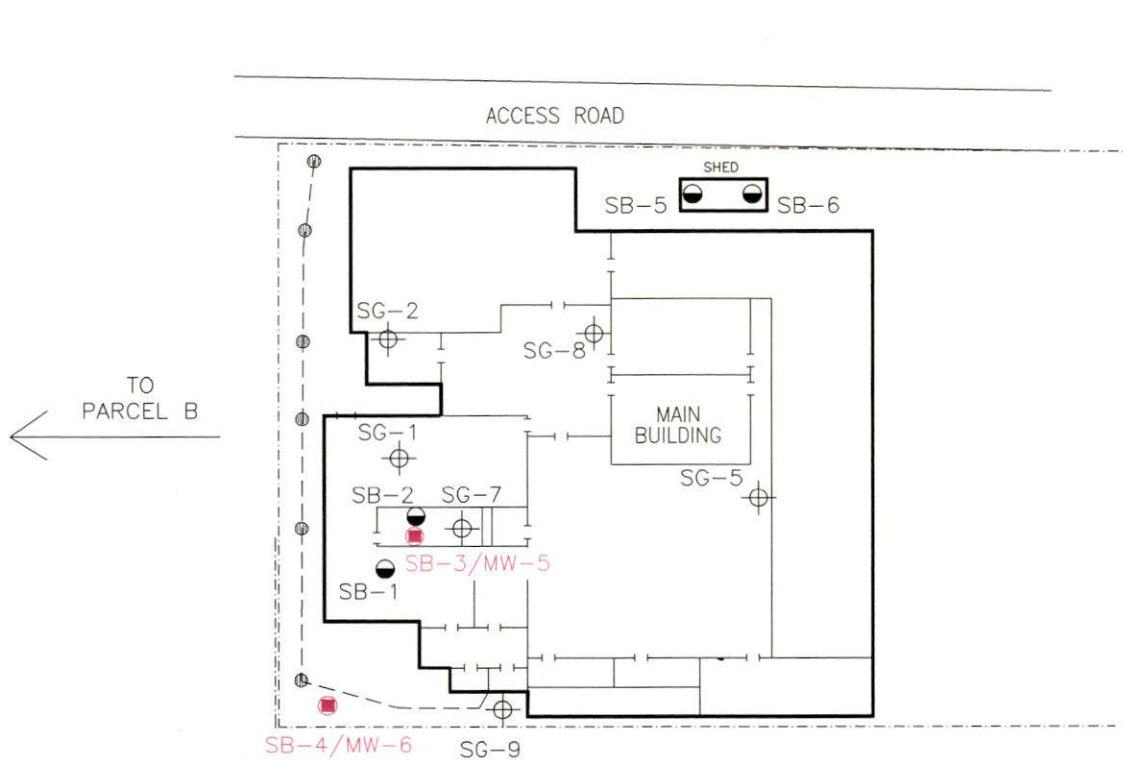
ATTACHMENT B
GROUNDWATER INFORMATION

EnviroTrac
Environmental Services



LEGEND:

- MACARTHUR AIRPORT STORM WATER DRAINAGE SYSTEM
- PROPERTY LINE
- STORM DRAIN
- SOIL GAS SAMPLE (SG)
- SOIL BORING (SB)
- SOIL BORING/MONITORING WELL

0 50

APPROX. SCALE IN FEET

Location	NY-AWQS	MW-5 16-FEB-12	MW-5 (1) 16-FEB-12	MW-6 16-FEB-12	
Total Metals (ug/l)					
Iron, Total	300	7600	4500	550	
Sodium, Total	20000	28000	46000	20000	
Volatile Organics (ug/l)					
1,2,4-Trimethylbenzene	5	120	140	2.5	U
1,3,5-Trimethylbenzene	5	49	64	2.5	U
Isopropylbenzene	5	3.8	6.2	0.5	U
n-Butylbenzene	5	7.3	6.5	0.5	U
n-Propylbenzene	5	13	20	0.5	U
Naphtalene	10	7.1	16	2.5	U
o-Xylene	5	8	11	1	U
p-Isopropyltoluene	5	15	5	0.5	U
p/m-Xylene	5	4.9	7.2	1	U
sec-Butylbenzene	5	7.4	7.8	0.5	U
Semivolatile Organics (ug/l)					
Naphtalene	10	5.5	11	0.2	U

Notes:

(1) - Duplicate sample.

U - Compound was not detected relative to the indicated limit.

J - Estimated value.

NY-AWQS-NYSDEC Part 703 Groundwater Quality Standard/Guidance Value.

Results exceeds the AWQS.

NOTE:

SITE PLAN BASED ON A DRAWING PREPARED BY FENLEY & NICOL, INC.

EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

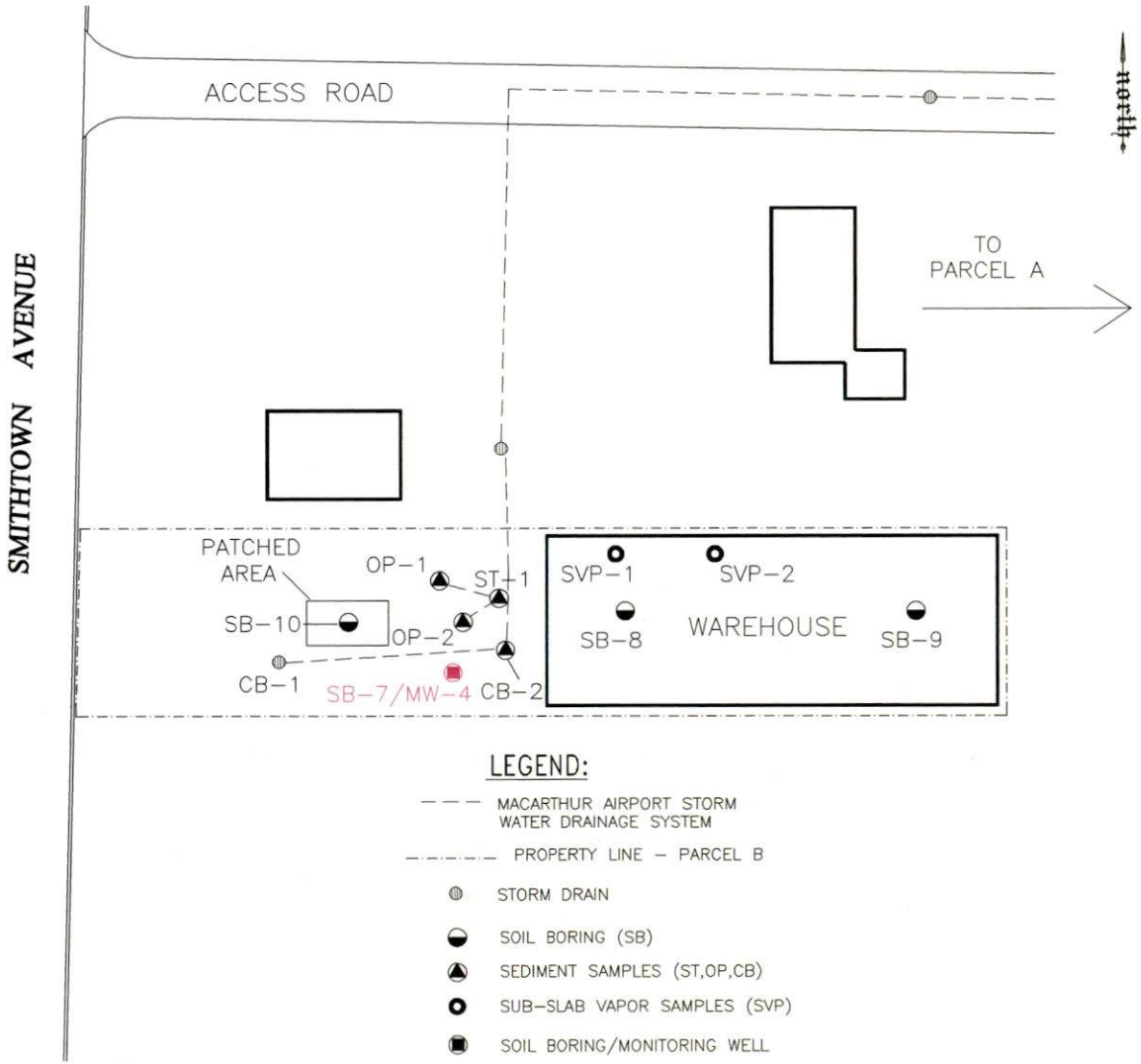
REVISION DATE:
MARCH 29, 2012

REVISED BY:
T.B.

CAMCO
2125 SMITHTOWN AVENUE
RONKONKOMA, NEW YORK

GROUNDWATER SAMPLING RESULTS EXCEEDING COMPARISON CRITERIA - PARCEL A

FIGURE #
5-2



Location	NY-AWQS	MW-4 16-FEB-12
Total Metals (ug/l)		
Iron, Total	300	14000
Sodium, Total	20000	41000
Volatile Organics (ug/l)		
1,2,4-Trimethylbenzene	5	560
1,3,5-Trimethylbenzene	5	190
Ethylbenzene	5	15
Isopropylbenzene	5	14
n-Propylbenzene	5	32
Naphtalene	10	56
o-Xylene	5	60
p-Isopropyltoluene	5	40
p/m-Xylene	5	83
sec-Butylbenzene	5	12
Semivolatile Organics (ug/l)		
1,2-Dichlorobenzene	3	16
1,4-Dichlorobenzene	3	4
Naphtalene	10	62
Organochlorine Pesticides (ug/l)		
Chlordane	0.05	0.529

Notes:

U - Compound was not detected relative to the indicated limit.

J - Estimated value.

NY-AWQS-NYSDEC Part 703 Groundwater Quality Standard/Guidance Value.

Results exceeds the AWQS.

NOTE:

SITE PLAN BASED ON A DRAWING PREPARED BY FENLEY & NICOL, INC.

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ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

REVISION DATE:
MARCH 29, 2012

REVISED BY:
T.B.

CAMCO
2125 SMITHTOWN AVENUE
RONKONKOMA, NEW YORK

GROUNDWATER SAMPLING RESULTS EXCEEDING COMPARISON CRITERIA - PARCEL B

FIGURE #
5-3

AERIAL PHOTOGRAPH

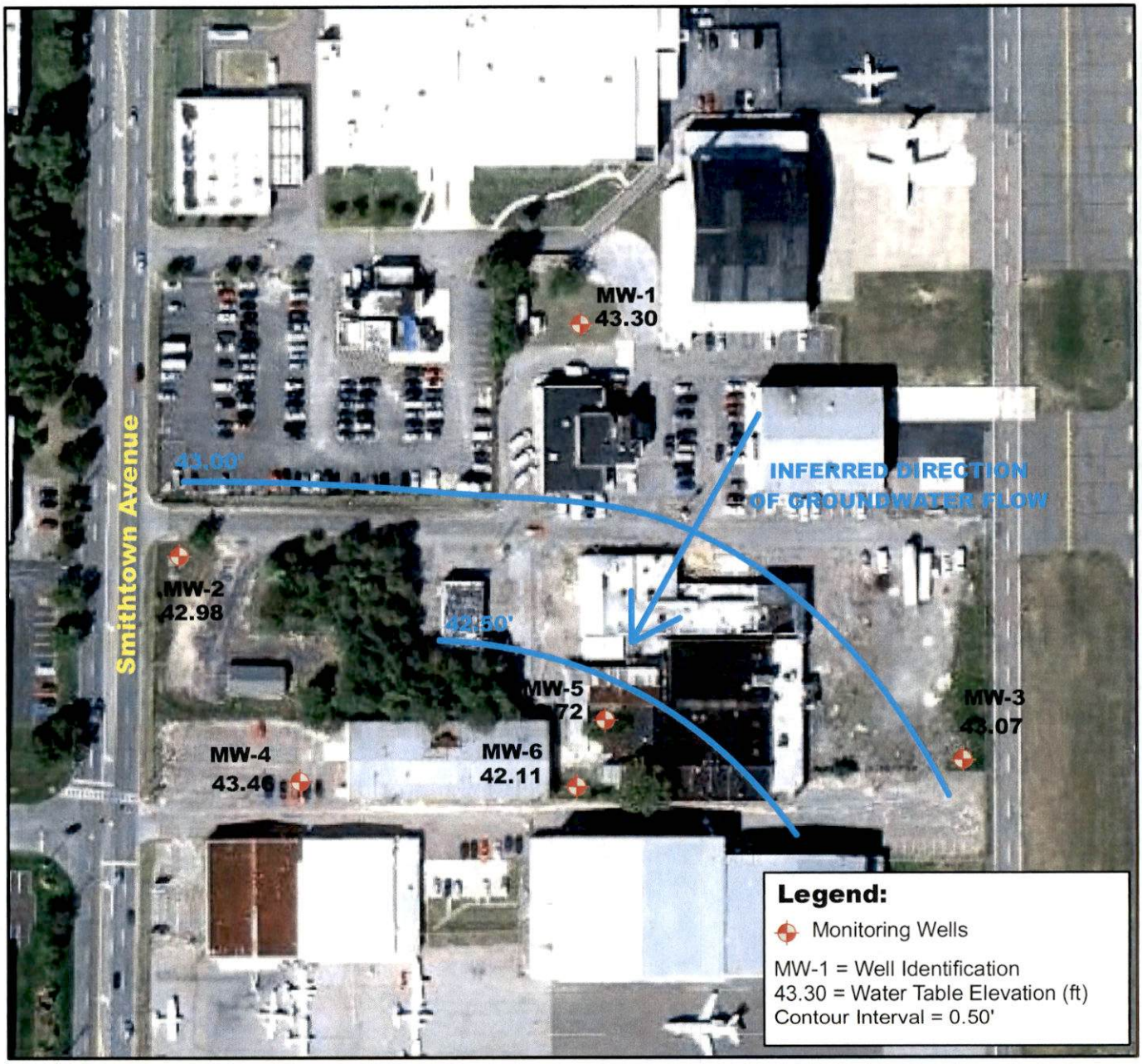


Figure 5-5
Groundwater Flow Patterns
January 13, 2012

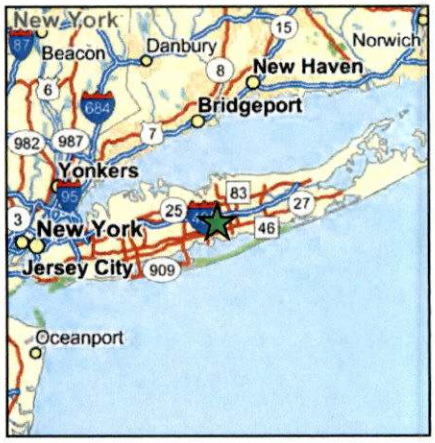
CAMCO
2125 Smithtown Ave.
Ronkonkoma, NY

0 100 200

Feet

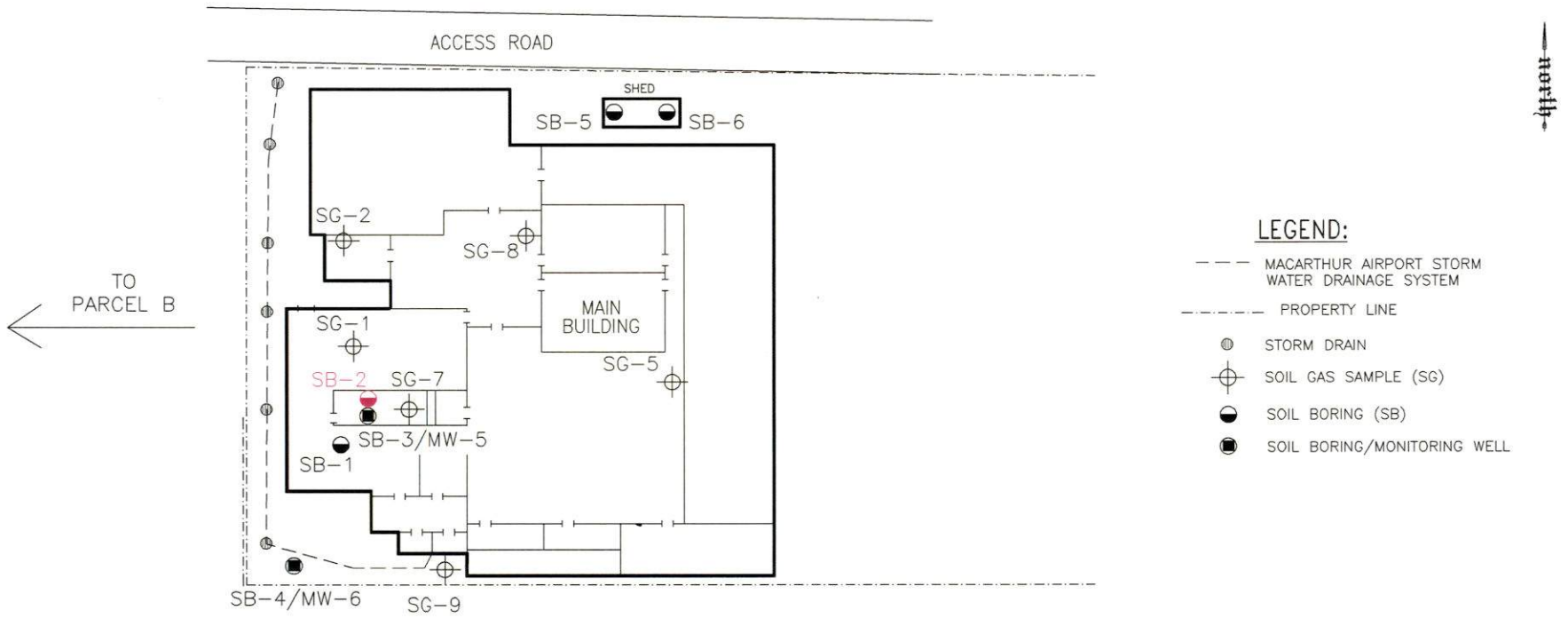
N
W E
S

EnviroTrac
Environmental Services
5 Old Dock Road
Yaphank, NY 11980
P: 631-924-3001 F:631-924-5001



ATTACHMENT C
SOIL INFORMATION

EnviroTrac
Environmental Services



Location		SB-1@5'-10'		SB-2@5'-10'	SB-3/MW-5@ 25-30		SB-4/MW-6@ 45-50 FBG		Duplicate (1)		SB-5@5'-10'	
Sampling Date	NY-UNRES	06-DEC-11		06-DEC-11	05-DEC-11		05-DEC-11		15-DEC-11		06-DEC-11	
Polychlorinated Biphenls (mg.kg)												
Aroclor 1248	0.1	0.0334	U	0.128	0.0348	U	0.0334	U	0.0326	U	0.0336	U

Notes:

(1) – Duplicate of sample SB-4/MW-6 @ 45-50 FBG.

Qual. – Laboratory data qualifier.

U – Compound was not detected relative to the indicated limit.

NY-UNRES – 6NYCRR Part 375-6.8(a): Unrestricted Use Soil Cleanup Objectives.

Results exceeds the NY-UNRES.

0 50

APPROX. SCALE IN FEET

NOTE:

SITE PLAN BASED ON A DRAWING PREPARED BY FENLEY & NICOL, INC.

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REVISION DATE:
MARCH 29, 2012

REVISED BY:
T.B.

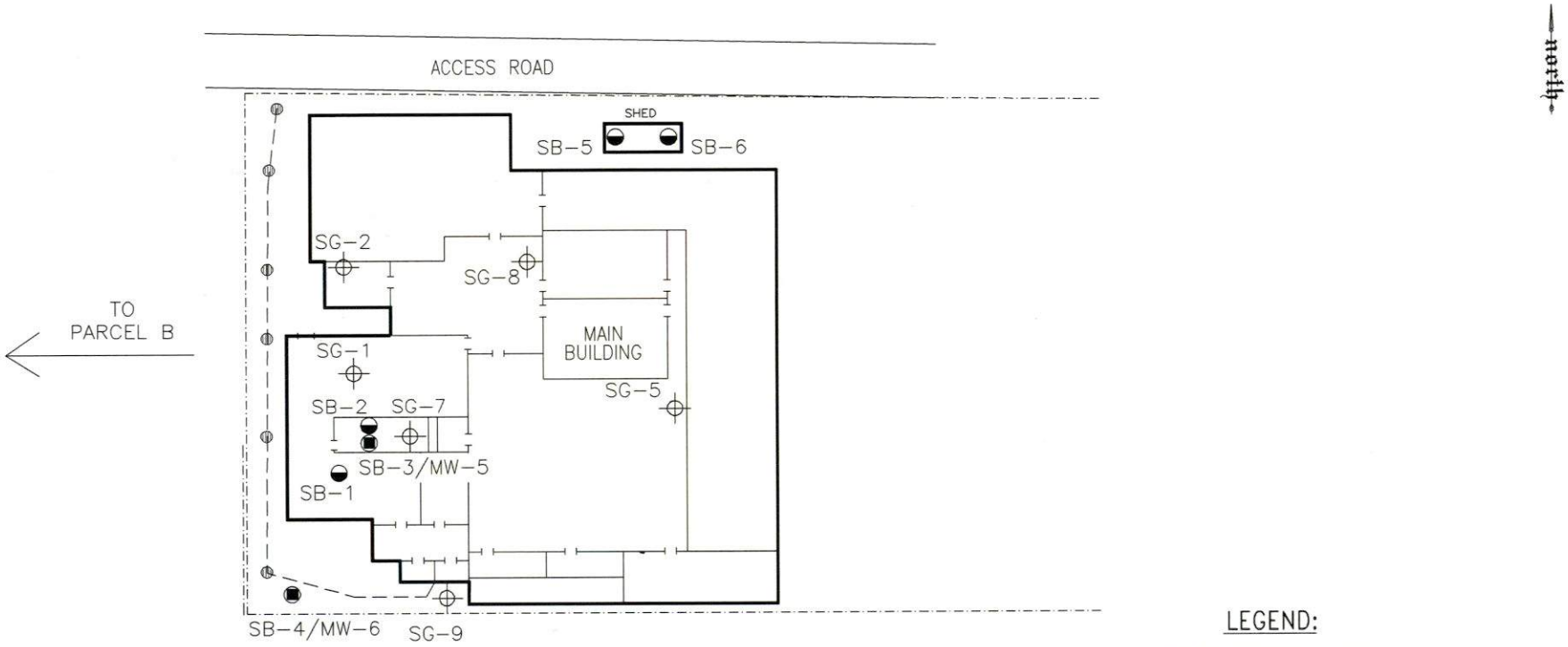
CAMCO
2125 SMITHTOWN AVENUE
RONKONKOMA, NEW YORK

SOIL SAMPLE RESULTS EXCEEDING COMPARISON CRITERIA – PARCEL A

FIGURE #
5-1

ATTACHMENT D
SOIL VAPOR INFORMATION

EnviroTrac
Environmental Services



LEGEND:

- MACARTHUR AIRPORT STORM WATER DRAINAGE SYSTEM
- PROPERTY LINE
- STORM DRAIN
- SOIL GAS SAMPLE (SG)
- SOIL BORING (SB)
- SOIL BORING/MONITORING WELL

0 50

APPROX. SCALE IN FEET

NOTE:

SITE PLAN BASED ON A DRAWING PREPARED BY FENLEY & NICOL, INC.

EnviroTrac
ENVIRONMENTAL SERVICES
5 OLD DOCK ROAD, YAPHANK, NEW YORK 11980
PHONE: (631)924-3001 FAX: (631)924-5001

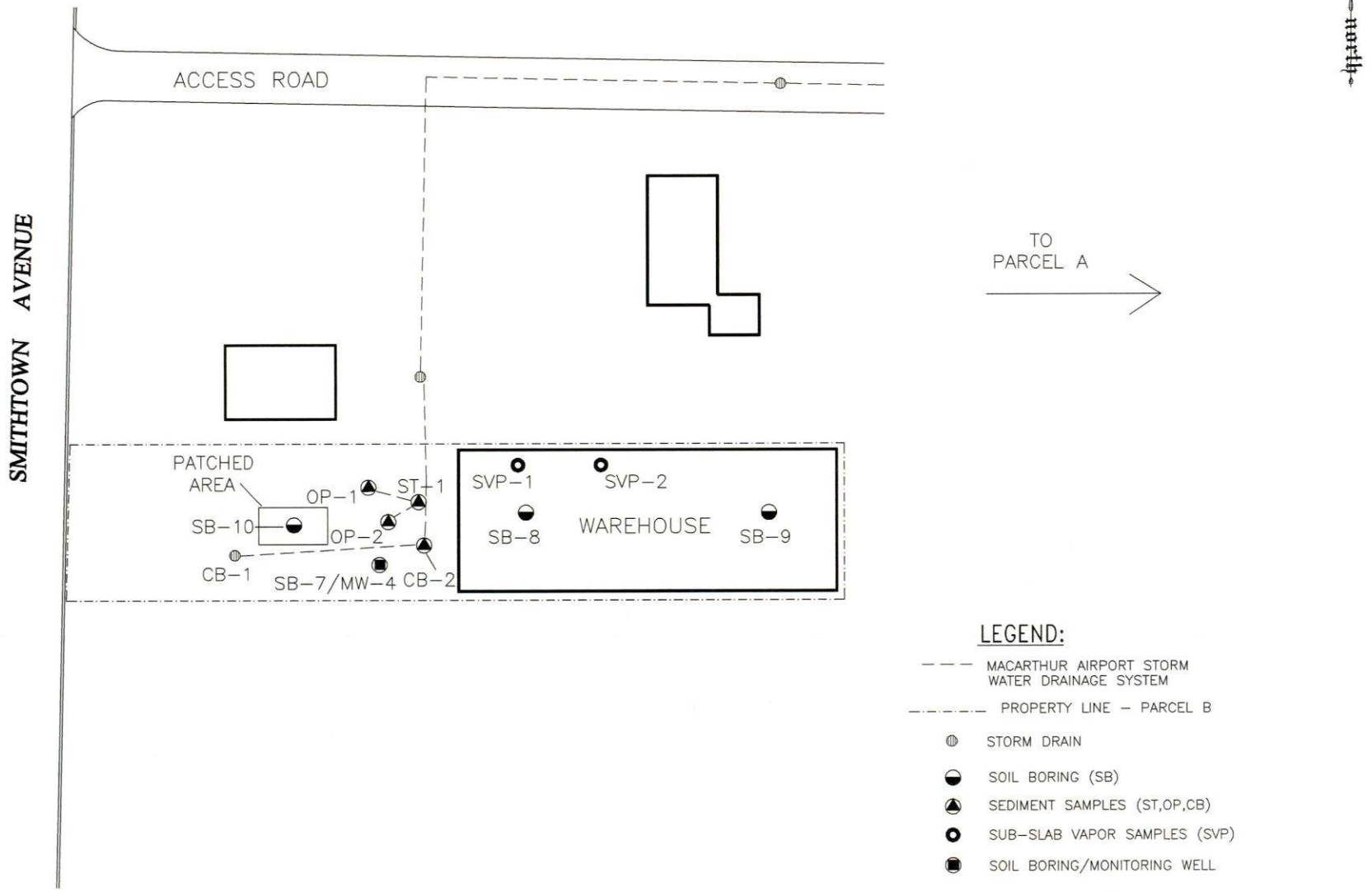
REVISION DATE:
MARCH 27, 2012

REVISED BY:
T.B.

CAMCO
2125 SMITHTOWN AVENUE
RONKONKOMA, NEW YORK

INVESTIGATION LOCATIONS – PARCEL A

FIGURE #
4-2



NOTE:

SITE PLAN BASED ON A DRAWING PREPARED BY FENLEY & NICOL, INC.

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REVISION DATE: MARCH 29, 2012

REVISED BY: T.B.

CAMCO
2125 SMITHTOWN AVENUE
RONKONKOMA, NEW YORK

INVESTIGATION LOCATIONS – PARCEL B

FIGURE # 4-3

Table 5-1: Summary of Soil Vapor Sampling Results - Parcel A

Former CAMCO Site
Ronkonkoma, New York

		SG-1		SG-2		SG-5		SG-7	
COMPOUND NAME	CASNUM	REPLMT	RESULTS	REPLMT	RESULTS	REPLMT	RESULTS	REPLMT	RESULTS
Freon 12	75-71-8	5.8	ND	0.84	2.0	1.6	1.8	16	ND
Freon 114	76-14-2	8.2	ND	1.2	ND	2.3	ND	23	ND
Chloromethane	74-87-3	12	ND	1.8	ND	3.4	ND	33	ND
Vinyl Chloride	75-01-4	3.0	ND	0.43	ND	0.83	ND	8.3	ND
1,3-Butadiene	106-99-0	2.6	ND	0.38	ND	0.72	ND	7.2	ND
Bromomethane	74-83-9	4.6	ND	0.66	ND	1.3	ND	12	ND
Chloroethane	75-00-3	16	ND	2.2	ND	4.3	ND	43	ND
Freon 11	75-69-4	6.6	ND	0.96	2.9	1.8	ND	18	ND
Ethanol	64-17-5	11	ND	1.6	ND	3.1	9.1	30	70
Freon 113	76-13-1	9.0	ND	1.3	11	2.5	ND	25	ND
1,1-Dichloroethene	75-35-4	4.7	ND	0.67	ND	1.3	ND	13	ND
Acetone	67-64-1	14	ND	2.0	19	3.9	25	38	ND
2-Propanol	67-63-0	14	ND	2.1	ND	4.0	ND	40	ND
Carbon Disulfide	75-15-0	18	30	2.6	34	5.1	ND	50	ND
3-Chloropropene	107-05-1	18	ND	2.7	ND	5.1	ND	51	ND
Methylene Chloride	75-09-2	8.2	ND	1.2	1.8	2.3	ND	22	ND
Methyl tert-butyl ether	1634-04-4	4.2	ND	0.61	13	1.2	ND	12	ND
trans-1,2-Dichloroethene	156-60-5	4.7	ND	0.67	ND	1.3	ND	13	ND
Hexane	110-54-3	4.2	ND	0.60	1.3	1.1	1.2	11	ND
1,1-Dichloroethane	75-34-3	4.8	ND	0.69	ND	1.3	ND	13	ND
2-Butanone (Methyl Ethyl Ketone)	78-93-3	17	ND	2.5	4.6	4.8	ND	48	ND
cis-1,2-Dichloroethene	156-59-2	4.7	9.3	0.67	ND	1.3	ND	13	590
Tetrahydrofuran	109-99-9	17	ND	2.5	3.3	4.8	5.1	48	ND
Chloroform	67-66-3	5.8	ND	0.83	1.7	1.6	ND	16	ND
1,1,1-Trichloroethane	71-55-6	6.4	55	0.93	33	1.8	69	18	ND
Cyclohexane	110-82-7	4.1	ND	0.58	1.7	1.1	1.6	11	ND
Carbon Tetrachloride	56-23-5	7.4	ND	1.1	ND	2.0	ND	20	ND
2,2,4-Trimethylpentane	540-84-1	28	ND	4.0	4.6	7.6	ND	76	ND
Benzene	71-43-2	3.8	ND	0.54	3.1	1.0	1.6	10	ND
1,2-Dichloroethane	107-06-2	4.8	ND	0.69	ND	1.3	ND	13	ND
Heptane	142-82-5	4.8	ND	0.70	2.3	1.3	1.6	13	ND
1,2-Dichloropropane	78-87-5	5.4	ND	0.78	ND	1.5	ND	15	ND
1,4-Dioxane	123-91-1	4.2	ND	0.61	ND	1.2	ND	12	ND
Bromodichloromethane	75-27-4	7.9	ND	1.1	ND	2.2	ND	22	ND
cis-1,3-Dichloropropene	10061-01-5	5.4	ND	0.77	ND	1.5	ND	15	ND
4-Methyl-2-pentanone	108-10-1	4.8	ND	0.70	ND	1.3	ND	13	ND
Toluene	108-88-3	4.4	6.0	0.64	13	1.2	12	12	93
trans-1,3-Dichloropropene	10061-02-6	5.4	ND	0.77	ND	1.5	ND	15	ND
1,1,2-Trichloroethane	79-00-5	6.4	ND	0.93	ND	1.8	ND	18	ND
Tetrachloroethene	127-18-4	8.0	150	1.2	8.3	2.2	7.0	22	150
2-Hexanone	591-78-6	24	ND	3.5	ND	6.7	ND	66	ND
Dibromochloromethane	124-48-1	10	ND	1.4	ND	2.8	ND	28	ND
1,2-Dibromoethane (EDB)	106-93-4	9.1	ND	1.3	ND	2.5	ND	25	ND
Chlorobenzene	108-90-7	5.4	ND	0.78	ND	1.5	ND	15	ND
Ethyl Benzene	100-41-4	5.1	ND	0.74	3.8	1.4	2.5	14	ND
m,p-Xylene	108-38-3/106-42-3	5.1	6.0	0.74	12	1.4	9.7	14	21
o-Xylene	95-47-6	5.1	ND	0.74	4.2	1.4	2.9	14	32
Styrene	100-42-5	5.0	ND	0.72	ND	1.4	ND	14	ND
Bromoform	75-25-2	12	ND	1.8	ND	3.4	ND	33	ND
Cumene	98-82-8	5.8	ND	0.84	4.4	1.6	ND	16	ND
1,1,2,2-Tetrachloroethane	79-34-5	8.1	ND	1.2	ND	2.2	ND	22	ND
Propylbenzene	103-65-1	5.8	ND	0.84	ND	1.6	ND	16	ND
4-Ethyltoluene	622-96-8	5.8	ND	0.84	2.7	1.6	2.5	16	ND
1,3,5-Trimethylbenzene	108-67-8	5.8	ND	0.84	ND	1.6	ND	16	ND
1,2,4-Trimethylbenzene	95-63-6	5.8	ND	0.84	2.6	1.6	2.4	16	ND
1,3-Dichlorobenzene	541-73-1	7.1	ND	1.0	ND	2.0	ND	19	ND
1,4-Dichlorobenzene	106-46-7	7.1	ND	1.0	ND	2.0	ND	19	30
alpha-Chlorotoluene	100-44-7	6.1	ND	0.88	ND	1.7	ND	17	ND
1,2-Dichlorobenzene	95-50-1	7.1	ND	1.0	ND	2.0	ND	19	35
1,2,4-Trichlorobenzene	120-82-1	44	ND	6.3	ND	12	ND	120	ND
Hexachlorobutadiene	87-68-3	63	ND	9.1	ND	17	ND	170	ND
Trichloroethene	79-01-6	1.1	730	0.18	25	0.35	150	3.5	2300
Helium	7440-59-7	0.071	ND	0.085	ND	0.082	0.11	0.081	ND

Table 5-1: Summary of Soil Vapor Sampling Results - Parcel A

Former CAMCO Site
Ronkonkoma, New York

		SG-10 (1)		SG-8		SG-9	
COMPOUND NAME	CASNUM	REPLMT	RESULTS	REPLMT	RESULTS	REPLMT	RESULTS
Freon 12	75-71-8	16	ND	0.83	1.8	0.80	1.8
Freon 114	76-14-2	22	ND	1.2	ND	1.1	ND
Chloromethane	74-87-3	33	ND	1.7	ND	1.7	ND
Vinyl Chloride	75-01-4	8.2	ND	0.43	ND	0.41	ND
1,3-Butadiene	106-99-0	7.1	ND	0.37	ND	0.36	ND
Bromomethane	74-83-9	12	ND	0.65	ND	0.63	ND
Chloroethane	75-00-3	42	ND	2.2	ND	2.1	ND
Freon 11	75-69-4	18	ND	0.94	1.4	0.91	1.7
Ethanol	64-17-5	30	ND	1.6	1.8	1.5	1.8
Freon 113	76-13-1	25	ND	1.3	19	1.2	2.1
1,1-Dichloroethene	75-35-4	13	ND	0.67	ND	0.64	ND
Acetone	67-64-1	38	ND	2.0	18	1.9	16
2-Propanol	67-63-0	40	ND	2.1	ND	2.0	ND
Carbon Disulfide	75-15-0	50	ND	2.6	4.4	2.5	24
3-Chloropropene	107-05-1	50	ND	2.6	ND	2.5	ND
Methylene Chloride	75-09-2	22	ND	1.2	ND	1.1	ND
Methyl tert-butyl ether	1634-04-4	12	ND	0.60	ND	0.58	ND
trans-1,2-Dichloroethene	156-60-5	13	ND	0.67	ND	0.64	ND
Hexane	110-54-3	11	ND	0.59	1.2	0.57	0.70
1,1-Dichloroethane	75-34-3	13	ND	0.68	ND	0.66	ND
2-Butanone (Methyl Ethyl Ketone)	78-93-3	47	ND	2.5	2.8	2.4	6.3
cis-1,2-Dichloroethene	156-59-2	13	650	0.67	ND	0.64	0.79
Tetrahydrofuran	109-99-9	47	ND	2.5	2.7	2.4	2.8
Chloroform	67-66-3	16	ND	0.82	ND	0.79	ND
1,1,1-Trichloroethane	71-55-6	18	ND	0.92	20	0.88	48
Cyclohexane	110-82-7	11	ND	0.58	ND	0.56	ND
Carbon Tetrachloride	56-23-5	20	ND	1.0	ND	1.0	ND
2,2,4-Trimethylpentane	540-84-1	75	ND	3.9	ND	3.8	ND
Benzene	71-43-2	10	ND	0.54	1.3	0.52	1.1
1,2-Dichloroethane	107-06-2	13	ND	0.68	ND	0.66	ND
Heptane	142-82-5	13	ND	0.69	1.4	0.66	1.1
1,2-Dichloropropane	78-87-5	15	ND	0.78	ND	0.75	ND
1,4-Dioxane	123-91-1	12	ND	0.60	ND	0.58	ND
Bromodichloromethane	75-27-4	22	ND	1.1	ND	1.1	ND
cis-1,3-Dichloropropene	10061-01-5	15	ND	0.76	ND	0.74	ND
4-Methyl-2-pentanone	108-10-1	13	ND	0.69	ND	0.66	ND
Toluene	108-88-3	12	100	0.63	15	0.61	9.2
trans-1,3-Dichloropropene	10061-02-6	15	ND	0.76	ND	0.74	ND
1,1,2-Trichloroethane	79-00-5	18	ND	0.92	ND	0.88	ND
Tetrachloroethene	127-18-4	22	170	1.1	2.6	1.1	54
2-Hexanone	591-78-6	66	ND	3.4	ND	3.3	ND
Dibromochloromethane	124-48-1	27	ND	1.4	ND	1.4	ND
1,2-Dibromoethane (EDB)	106-93-4	25	ND	1.3	ND	1.2	ND
Chlorobenzene	108-90-7	15	ND	0.77	ND	0.74	ND
Ethyl Benzene	100-41-4	14	15	0.73	2.6	0.70	2.4
m,p-Xylene	108-38-3/106-42-3	14	24	0.73	11	0.70	10
o-Xylene	95-47-6	14	38	0.73	3.3	0.70	3.1
Styrene	100-42-5	14	ND	0.72	ND	0.69	ND
Bromoform	75-25-2	33	ND	1.7	ND	1.7	ND
Cumene	98-82-8	16	ND	0.82	ND	0.80	ND
1,1,2,2-Tetrachloroethane	79-34-5	22	ND	1.2	ND	1.1	ND
Propylbenzene	103-65-1	16	ND	0.82	ND	0.80	ND
4-Ethyltoluene	622-96-8	16	ND	0.82	2.6	0.80	2.8
1,3,5-Trimethylbenzene	108-67-8	16	ND	0.82	0.90	0.80	0.85
1,2,4-Trimethylbenzene	95-63-6	16	ND	0.82	2.7	0.80	2.9
1,3-Dichlorobenzene	541-73-1	19	ND	1.0	ND	0.97	ND
1,4-Dichlorobenzene	106-46-7	19	39	1.0	ND	0.97	ND
alpha-Chlorotoluene	100-44-7	17	ND	0.87	ND	0.84	ND
1,2-Dichlorobenzene	95-50-1	19	53	1.0	ND	0.97	ND
1,2,4-Trichlorobenzene	120-82-1	120	ND	6.2	ND	6.0	ND
Hexachlorobutadiene	87-68-3	170	ND	9.0	ND	8.6	ND
Trichloroethene	79-01-6	3.5	2500	0.18	10	0.17	37
Helium	7440-59-7	0.080	ND	0.084	ND	0.081	ND

Notes:
Testing conducted February 9, 2012.
REPLMT - reporting limit.
Reporting limit and results provided in ug/m^3 except for helium
Reporting limit and results for helium provided in percent.
ND - compound was not detected relative to the indicated reporting limit.
(1) - Duplicate of sample SG-7.

Table 5-2: Comparison of 2008 and 2012 Soil Vapor Sampling Results - Parcel A

Former CAMCO Site
Ronkonkoma, New York

		SG-1		SG-2		SG-5		SG-7		SG-10 (1)	SG-8	
COMPOUND NAME	**CASNUM**	**03/18/08**	**02/09/12**	**03/18/08**	**02/09/12**	**09/15/08**	**02/09/12**	**09/15/08**	**02/09/12**	**02/09/12**	**09/15/08**	**02/09/12**
Tetrachloroethene	**127-18-4**	290	150	51	8.3	210	7	920	150	170	90	2.6
Trichloroethene	**79-01-6**	940	730	1600	25	240	150	32000	2300	2500	600	10
cis-1,2-Dichloroethene	**156-59-2**	ND	9.3	ND	ND	8.9	ND	4600	590	650	ND	ND
trans-1,2-Dichloroethene	**156-60-5**	ND	ND	ND	ND	ND	ND	150	ND	ND	ND	ND
Vinyl Chloride	**75-01-4**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	**71-55-6**	75	55	17	33	120	69	ND	ND	ND	130	20
1,1-Dichloroethane	**75-34-3**	ND	ND	ND	ND	27	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	**56-23-5**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	**67-66-3**	ND	ND	ND	1.7	ND	ND	ND	ND	ND	4.5	ND
Total VOCs		1305	944.3	1668	68	605.9	226	37670	3040	3320	824.5	32.6

Notes:

Results provided in ug/m^3.
ND - compound was not detected.
(1) - Duplicate of sample SG-7.

Table 5-6: Summary of Sub-Slab Soil Vapor Sampling Results - Parcel B

Former CAMCO Site
Ronkonkoma, New York

		SVP-1		SVP-2	
COMPOUND NAME	CASNUM	REPLMT	RESULTS	REPLMT	RESULTS
Freon 12	75-71-8	0.75	1.8	8.4	ND
Freon 114	76-14-2	1.0	ND	12	ND
Chloromethane	74-87-3	1.6	ND	17	ND
Vinyl Chloride	75-01-4	0.38	ND	4.3	ND
1,3-Butadiene	106-99-0	0.33	ND	3.7	ND
Bromomethane	74-83-9	0.59	ND	6.6	ND
Chloroethane	75-00-3	2.0	ND	22	ND
Freon 11	75-69-4	0.85	140	9.5	ND
Ethanol	64-17-5	1.4	4.5	16	ND
Freon 113	76-13-1	1.2	12	13	ND
1,1-Dichloroethene	75-35-4	0.60	ND	6.7	ND
Acetone	67-64-1	1.8	33	20	30
2-Propanol	67-63-0	1.8	4.6	21	ND
Carbon Disulfide	75-15-0	2.4	ND	26	ND
3-Chloropropene	107-05-1	2.4	ND	26	ND
Methylene Chloride	75-09-2	1.0	3.0	12	ND
Methyl tert-butyl ether	1634-04-4	0.54	ND	6.1	ND
trans-1,2-Dichloroethene	156-60-5	0.60	ND	6.7	ND
Hexane	110-54-3	0.53	2.1	6.0	ND
1,1-Dichloroethane	75-34-3	0.61	ND	6.8	ND
2-Butanone (Methyl Ethyl Ketone)	78-93-3	2.2	3.7	25	ND
cis-1,2-Dichloroethene	156-59-2	0.60	ND	6.7	ND
Tetrahydrofuran	109-99-9	2.2	4.2	25	ND
Chloroform	67-66-3	0.74	8.9	8.2	ND
1,1,1-Trichloroethane	71-55-6	0.82	28	9.2	26
Cyclohexane	110-82-7	0.52	ND	5.8	ND
Carbon Tetrachloride	56-23-5	0.95	ND	11	ND
2,2,4-Trimethylpentane	540-84-1	3.5	ND	39	ND
Benzene	71-43-2	0.48	1.6	5.4	ND
1,2-Dichloroethane	107-06-2	0.61	ND	6.8	ND
Heptane	142-82-5	0.62	2.2	6.9	ND
1,2-Dichloropropane	78-87-5	0.70	ND	7.8	ND
1,4-Dioxane	123-91-1	0.54	ND	6.1	ND
Bromodichloromethane	75-27-4	1.0	1.3	11	ND
cis-1,3-Dichloropropene	10061-01-5	0.68	ND	7.7	ND
4-Methyl-2-pentanone	108-10-1	0.62	ND	6.9	ND
Toluene	108-88-3	0.57	29	6.4	30
trans-1,3-Dichloropropene	10061-02-6	0.68	ND	7.7	ND
1,1,2-Trichloroethane	79-00-5	0.82	ND	9.2	ND
Tetrachloroethene	127-18-4	1.0	120	11	2500
2-Hexanone	591-78-6	3.1	ND	35	ND
Dibromochloromethane	124-48-1	1.3	ND	14	ND
1,2-Dibromoethane (EDB)	106-93-4	1.2	ND	13	ND
Chlorobenzene	108-90-7	0.70	ND	7.8	ND
Ethyl Benzene	100-41-4	0.66	4.3	7.3	ND
m,p-Xylene	108-38-3/106-42-3	0.66	18	7.3	12
o-Xylene	95-47-6	0.66	5.9	7.3	ND
Styrene	100-42-5	0.64	0.64	7.2	ND
Bromoform	75-25-2	1.6	ND	17	ND
Cumene	98-82-8	0.74	1.1	8.3	ND
1,1,2,2-Tetrachloroethane	79-34-5	1.0	ND	12	ND
Propylbenzene	103-65-1	0.74	1.2	8.3	ND
4-Ethyltoluene	622-96-8	0.74	5.8	8.3	ND
1,3,5-Trimethylbenzene	108-67-8	0.74	1.9	8.3	ND
1,2,4-Trimethylbenzene	95-63-6	0.74	6.5	8.3	ND
1,3-Dichlorobenzene	541-73-1	0.91	ND	10	ND
1,4-Dichlorobenzene	106-46-7	0.91	ND	10	ND
alpha-Chlorotoluene	100-44-7	0.78	ND	8.7	ND
1,2-Dichlorobenzene	95-50-1	0.91	ND	10	ND
1,2,4-Trichlorobenzene	120-82-1	5.6	ND	63	ND
Hexachlorobutadiene	87-68-3	8.0	ND	90	ND
Trichloroethene	79-01-6	0.16	0.75	1.8	32
Helium	7440-59-7	0.076	ND	0.084	ND

Notes:
Testing conducted February 9, 2012.
REPLMT - reporting limit.
Reporting limit and results provided in ug/m^3 except for helium
Reporting limit and results for helium provided in percent.
ND - compound was not detected relative to the indicated reporting limit.

Summary of Sub-Slab Soil Vapor and Ambient Air Sampling Detected Compound Results - Parcel B

Former CAMCO Site
Ronkonkoma, New York

		SVP-1		SVP-2				Ambient	
	Sampling Date	9-Feb-12		9-Feb-12		9-Mar-12		9-Mar-12	
COMPOUND NAME	CASNUM	REPLMT	RESULTS	REPLMT	RESULTS	REPLMT	RESULTS	REPLMT	RESULTS
Freon 12	75-71-8	0.75	1.8	8.4	ND	6.9	ND	0.83	2.2
Chloromethane	74-87-3	1.6	ND	17	ND	2.9	ND	0.35	1.0
Freon 11	75-69-4	0.85	140	9.5	ND	7.9	ND	0.94	1.2
Ethanol	64-17-5	1.4	4.5	16	ND	13	ND	1.6	2.1
Freon 113	76-13-1	1.2	12	13	ND	11	ND	1.3	ND
Acetone	67-64-1	1.8	33	20	30	17	ND	2.0	3.8
2-Propanol	67-63-0	1.8	4.6	21	ND	17	ND	2.1	ND
Methylene Chloride	75-09-2	1.0	3.0	12	ND	9.7	ND	1.2	ND
Hexane	110-54-3	0.53	2.1	6.0	ND	4.9	ND	0.59	ND
2-Butanone (Methyl Ethyl Ketone)	78-93-3	2.2	3.7	25	ND	21	ND	2.5	ND
Tetrahydrofuran	109-99-9	2.2	4.2	25	ND	21	ND	2.5	ND
Chloroform	67-66-3	0.74	8.9	8.2	ND	6.8	ND	0.82	ND
1,1,1-Trichloroethane	71-55-6	0.82	28	9.2	26	7.6	32	0.92	ND
Benzene	71-43-2	0.48	1.6	5.4	ND	4.5	ND	0.54	ND
Heptane	142-82-5	0.62	2.2	6.9	ND	5.7	ND	0.69	ND
Bromodichloromethane	75-27-4	1.0	1.3	11	ND	9.4	ND	1.1	ND
Toluene	108-88-3	0.57	29	6.4	30	5.3	9.4	0.63	1.4
Tetrachloroethene	127-18-4	1.0	120	11	2500	9.5	2900	1.1	ND
Ethyl Benzene	100-41-4	0.66	4.3	7.3	ND	6.1	ND	0.73	ND
m,p-Xylene	108-38-3/106-42-3	0.66	18	7.3	12	6.1	11	0.73	ND
o-Xylene	95-47-6	0.66	5.9	7.3	ND	6.1	ND	0.73	ND
Styrene	100-42-5	0.64	0.64	7.2	ND	6.0	ND	0.72	ND
Cumene	98-82-8	0.74	1.1	8.3	ND	6.9	ND	0.82	ND
Propylbenzene	103-65-1	0.74	1.2	8.3	ND	6.9	ND	0.82	ND
4-Ethyltoluene	622-96-8	0.74	5.8	8.3	ND	6.9	ND	0.82	ND
1,3,5-Trimethylbenzene	108-67-8	0.74	1.9	8.3	ND	6.9	ND	0.82	ND
1,2,4-Trimethylbenzene	95-63-6	0.74	6.5	8.3	ND	6.9	ND	0.82	ND
Trichloroethene	79-01-6	0.16	0.75	1.8	32	1.5	35	0.18	1.1
Helium	7440-59-7	0.076	ND	0.084	ND	0.084	ND	-	-

Notes:
REPLMT - reporting limit.
Reporting limit and results provided in ug/m^3 except for helium
Reporting limit and results for helium provided in percent.
ND - compound was not detected relative to the indicated reporting limit.

Summary of Sub-Slab Soil Vapor And Ambient Air Sampling Results - Location SVP-2, March 2012

Former CAMCO Site
Ronkonkoma, New York

NYSDOH 2006 SVI Guidance - Air Matrix 1

Carbon Tetrachloride	**Sample Type**	**Location**	**Result (ug/m^3)**	
Site Testing Data	Indoor Air	Ambient Air	ND<1	
	Sub-Slab Soil Vapor	**SVP-2**	**ND<8.8**	
	← Indoor Air Concentration (ug/m^3) →			
↓ Sub-Slab Soil Vapor (ug/m^3) ↓	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	NFA	(1)	(1)	(1)
5 to < 50	NFA	Monitor	Monitor	Mitigate
50 to < 250	Monitor	Monitor/Mitigate	Mitigate	Mitigate
250 and above	Mitigate	Mitigate	Mitigate	Mitigate

Trichloroethene	**Sample Type**	**Location**	**Result (ug/m^3)**	
Site Testing Data	Indoor Air	Ambient Air	**1.1**	
	Sub-Slab Soil Vapor	**SVP-2**	**35**	
	← Indoor Air Concentration (ug/m^3) →			
↓ Sub-Slab Soil Vapor (ug/m^3) ↓	< 0.25	0.25 to < 1	1 to < 5.0	5.0 and above
< 5	NFA	(1)	(1)	(1)
5 to < 50	NFA	Monitor	Monitor	Mitigate
50 to < 250	Monitor	Monitor/Mitigate	Mitigate	Mitigate
250 and above	Mitigate	Mitigate	Mitigate	Mitigate

Summary of Sub-Slab Soil Vapor And Ambient Air Sampling Results - Location SVP-2, March 2012

Former CAMCO Site
Ronkonkoma, New York

NYSDOH 2006 SVI Guidance - Air Matrix 2

Tetrachloroethene	**Sample Type**	**Location**	**Result (ug/m^3)**	
Site Testing Data	Indoor Air	Ambient Air	ND<1.1	
	Sub-Slab Soil Vapor	**SVP-2**	**2900**	
	← Indoor Air Concentration (ug/m^3) →			
↓ Sub-Slab Soil Vapor (ug/m^3) ↓	< 3	3 to < 30	30 to < 100	100 and above
< 100	NFA	(1)	(1)	(1)
100 to < 1,000	Monitor	Monitor/Mitigate	Mitigate	Mitigate
1,000 and above	Mitigate	Mitigate	Mitigate	Mitigate

1,1,1-Trichloroethane	**Sample Type**	**Location**	**Result (ug/m^3)**	
Site Testing Data	Indoor Air	Ambient Air	ND<0.92	
	Sub-Slab Soil Vapor	**SVP-2**	**32**	
	← Indoor Air Concentration (ug/m^3) →			
↓ Sub-Slab Soil Vapor (ug/m^3) ↓	< 3	3 to < 30	30 to < 100	100 and above
< 100	NFA	(1)	(1)	(1)
100 to < 1,000	Monitor	Monitor/Mitigate	Mitigate	Mitigate
1,000 and above	Mitigate	Mitigate	Mitigate	Mitigate

Notes:
Testing conducted on March 9, 2012.
(1) Take reasonable and practical actions to identify source(s) and reduce exposures.
ND - Analyte was not detected relative to the indicated reporting limit.
NFA - no further action.