

West 28th Street Rentals Site Phase II Subsurface Investigation Report

**215-219 West 28th Street
New York, New York
Block 778, Lots 29, 30 and 31
OER Project # 13EHAN231M
E-Designation # E-276
CEQR # 10DCP004M**

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1.0 INTRODUCTION

Tenen Environmental, LLC (Tenen) has prepared this Phase II Subsurface Investigation (Phase II) report, on behalf of American Development Group, for the West 28th Street Rentals Site located at 215-219 West 28th Street in the Chelsea section of Manhattan, New York (the Site). The Site is located on the northern side of West 28th Street, between 7th and 8th Avenues, as shown on Figure 1.

The purpose of the Phase II investigation was to characterize the Site soil, soil gas and groundwater, including areas where soil is expected to be disturbed during the proposed Site redevelopment. The investigation was designed to address the hazardous material E-designation (E-276) placed on the Site by the New York City Department of City Planning (DCP) on September 21, 2011 in connection with the West 28th Street Rezoning. The Site is also subject to E-designations for air quality and noise. The CEQR Number for the Site is 10DCP004M. This project has been assigned project number 13EHAN231M by the Mayor's Office of Environmental Remediation (OER).

The Phase II investigation was performed in accordance with the Revised Phase II Subsurface Investigation Work Plan (Phase II WP) and a Site-specific Health and Safety Plan (HASP), both dated December 2012. The HASP and Phase II WP were approved by OER in an email from Michael Mandac dated December 07, 2012.

2.0 PROJECT SITE

The Site is located in the Chelsea section of Manhattan, New York and is identified on the New York City Tax Map as Block 778, Lots 29, 30, and 31. As shown on Figure 1 (Site location map), the Site is located on the north side of West 28th Street between 7th and 8th Avenues. The Site is 7,360 square feet and is bounded by a 17-story residential and commercial building to the north, West 28th Street/Fashion Institute of Technology to the south, a six (6)-story mixed use building to the east, and a six (6)-story residential and commercial building to the west. Currently, Lots 29 and 30 are used for parking with a car stacker located on the south portion of the lots. Lot 31 is occupied by a 4-story building with a basement that houses a boiler room and other utilities. The current Site configuration is shown on Figure 2.

2.1 Site History

Merritt Environmental Consulting Group (Merritt) performed a Phase I Environmental Site Assessment (ESA) in October 2012. The Phase I ESA report identified the following recognized environmental conditions (RECs) at the site:

- An open out-of-service oil tank fill port, possibly associated with a former underground storage tank, was observed on the exterior of the attendant's booth
- The Site is documented as "E" designated lots in the Department of Buildings Database.

2.2 Subsurface Conditions

The Site is mapped on the 40074-G1 Weehawken, NJ-NY Quadrant 7.5 Minute Topographic Map, published by the United States Geological Survey (USGS) (Figure 1). Review of the topographic map reveals that the Site is located at approximately 30 feet above sea level (USGS). The bedrock was encountered at 67 feet below grade surface (ft-bg) in a geotechnical boring performed at the Site by All Phase Testing of the Bronx, New York.

The Phase II investigation revealed that the soil under the Site is composed of approximately 5 to 10 feet of fill material that consists of sand with cinders, ash, coal fragments and red brick. The fill material is underlain by clayey silt with some sand and fine to medium reddish brown sand with cobbles and gravel. Based on the geotechnical investigation, fine sands extend to bedrock. Boring logs are presented in Appendix A.

The Hudson River is located approximately 0.8 mile to the west of the Site. In general, topography in the vicinity of the Site gently decreases in elevation from east to west. Based on the topography and knowledge of groundwater in the surrounding area, groundwater most likely flows west-southwest toward the Hudson River. Groundwater was encountered during this investigation at approximately 17 to 18 ft-bg.

2.3 Previous Studies

There are no records of previous environmental subsurface investigations performed on the Site. However, three soil samples (B-1 to B-3) were collected by Tenen Environmental during the

geotechnical investigation performed by All Phase Testing in October 2012. The soil samples were collected for due diligence purposes and were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) and TCL semivolatile organic compounds (SVOCs). A memorandum was generated to summarize the sampling findings. Several polycyclic aromatic hydrocarbons (PAHs) typical of historic urban fill material were detected in the samples collected from borings B2 and B3 at concentrations below the Unrestricted Use SCOs. SVOCs were not detected in the sample collected from boring B1 and VOCs were not detected in any sample.

The results of the geotechnical investigation and information provided on the Site survey map indicated the following:

1. Elevation of the Site above mean sea level ranges from 29 to 32 feet;
2. Depth to groundwater ranges from 17 to 18 feet below grade at the Site;
3. Groundwater flow is generally from east to west or southwest beneath the Site;
4. Based upon geotechnical boring logs and field observations, the stratigraphy of the Site, consists of approximately 5 to 10 ft-bg of fill material with brick, gravel and cinders in a coarse-sand matrix. Fill material is underlain by clayey silt with some sand and fine to medium reddish brown sand with cobbles and gravel; and
5. Bedrock was encountered at 67 ft-bgs.

2.4 Proposed Development

The proposed development will consist of one (1) 23-story mixed use residential and commercial use building with accessory automated parking, mechanical spaces and a recreation area in the cellar and commercial/retail on the first floor. The total excavation depth will be at approximately 14 ft-bg, approximately 3 to 4 feet above the groundwater table. The excavation will be across all three (3) lots, requiring the demolition of the existing building on Lot 31. Assuming the basement of the existing building on Lot 31 extends to approximately 10 ft-bg, approximately 3,000 cubic yards (CY) of material will be excavated.

The building will have 147 units, including the following:

- 54 studios;
- 4 studio alcoves;
- 40 one-bedrooms;
- 29 two bedrooms; and
- 20 three bedrooms.

It is anticipated that the building will have 1,500 square feet of rentable retail space and a 59-car automated garage. The building will also have recreation spaces (library, game room, offices) in the basement level and a rooftop lounge.

The total gross square footage is 120,046 square feet and a cellar of 7,360 square feet. The current zoning designation is M1-5, which generally allows for light industrial, office, hotel and retail uses. The Site is rezoned as M1-6D, which allows infill residential development that

reflects the existing built character. The Site is within an Inclusionary Housing Designated Area and discretionary tax incentives are available. Copies of the proposed building plans are included in Appendix B.

3.0 SAMPLING PROGRAM METHODOLOGY

This section describes the Phase II investigation geophysical survey method, and the soil, soil gas, and groundwater sampling and analytical methodology. The geophysical survey was performed on December 23, 2012. Field sampling was conducted on December 26-27, 2012.

3.1 Geophysical Survey

On December 23, 2012, a geophysical survey was performed on the Site by Naeva Geophysics (Naeva) of Congers, New York to: 1) locate potential underground storage tanks (USTs) and associated piping, including those potentially related to the fill port observed on the exterior of the attendant's booth; and 2) determine whether the proposed boring locations are clear of underground structures and utilities. The equipment selected for this investigation included a Fisher TW-6 Pipe and Cable Locator (a type of electromagnetic metal-detector) and a Sensors & Software Smart Cart Ground Penetrating Radar (GPR) system with a 250 antenna and 3M Dynatel 2250 utility locator.

3.2 Soil Vapor Sampling

Four (4) soil gas samples (SV-1 through SV-4) were collected within the footprint of the proposed building. Three samples (SV-1, SV-2, and SV-4) were collected at approximately one (1) foot below the proposed depth of excavation (14 to 15 ft-bg) to investigate the potential for organic constituents in soil vapor. Soil vapor sample, SV-3, located in the car lift area, was collected at a depth of approximately five (5) ft-bg, due to the difficulty of drilling in this area. Soil vapor sampling locations are shown on Figure 2.

A hand-held geoprobe unit/soil vapor sampling kit was used to install the soil vapor sampling probe in the basement of the existing building (SV-4). A track-mounted geoprobe was used to install the soil vapor sampling probes in the parking area (SV-1 through SV-3). At each soil gas sampling location, access to the subsurface soil was gained by hammering through the top surface material (concrete and/or asphalt). Upon completion of the boring through the surface material, a 5/8-inch diameter retractable stainless steel sampling probe, consisting of a 1.5-inch long hardened point and a 6-inch long perforated vapor intake, was driven to a depth of one (1) foot below the proposed depth of excavation (14 -15 ft-bg) at locations SV-1, SV-2, and SV-4. At location SV-3, in the car lift area, the sampling probe was driven to five (5) ft-bg.

The soil vapor sampling probe was connected to 1/4-inch diameter polyethylene tubing that was extended to grade. The borehole above the sampling probe to grade was sealed using an inert sealant to prevent ambient air mixing with the soil gas. In accordance with the New York State Department of Health (NYSDOH) October 2006 Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Soil Vapor Guidance) protocols, a tracer gas (helium) was used to verify the integrity of the soil vapor probe and sampling tube seals. A two- by two-foot plastic sheeting chamber was sealed above the borehole. The sampling tube was pushed through the top of the sealed chamber. The atmosphere inside the chamber was enriched with the tracer gas (helium). A portable helium monitor was attached to the sampling tube to measure a vapor sample from the probe for the presence of high concentrations (>10%) of the tracer gas.

Ambient air and soil gas was purged from the boring hole by attaching the surface end of the ¼ polyethylene tube to an air valve and then to a vacuum pump. The vacuum pump removed one to three volumes of air (volume of the sample probe and tube) prior to sample collection. The flow rate for both purging and sample collection did not exceed 0.2 liter per minute.

The soil gas sample was first screened for organic vapors using a PID. No elevated levels of organic vapors were detected prior to the sample collection at any location. Soil gas samples were collected in one (1)-liter Summa canisters using two (2)-hour regulators and analyzed for VOCs using EPA Method TO-15.

A sample log sheet was maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples were collected, apparent moisture content of the sampling zone, and chain of custody protocols.

3.3 Soil Sampling

Six (6) soil borings (SB-1 to SB-6) were advanced at the Site. Soil boring SB-4 and temporary groundwater well TW-1 were close to each other; therefore, they were combined in one boring (TW-1). Two (2) soil borings (SB-3 and TW-1/SB-4) were located in the parking lot near geophysical anomalies potentially indicative of USTs. Four (4) soil borings were placed on in the parking lot and existing basement to obtain areal coverage representative of soil conditions under the Site.

Track-mounted and hand-held geoprobe units were used to advance the soil borings. Soil samples were obtained by using two-inch diameter by five-foot/three-foot long steel macro core samplers that contained a dedicated acetate liner. Each sampler was driven through the subsurface soil to collect samples until groundwater was encountered at approximately 17 ft-bg. Refusal was encountered at locations SB-1 and SB-5 advanced in the basement at eight (8) and seven (7) feet below the basement slab (16 and 15 ft-bg), respectively. The soil was field screened using a photoionization detector (PID). Soil was screened from the surface to groundwater at boring locations SB-3/TW-3 and TW-1/SV-4 and to two (2) feet below the proposed depth of excavation (14-16 ft-bg) at boring locations SB-1, SB-2, SB-5, and SB-6. Two (2) soil samples were collected from each location for analysis; one (1) from the surface interval (0-2 feet) and one (1) from the subsurface interval with the highest suspected contamination (as determined by field screening with a PID, visual signs or odors). If no field contamination (elevated PID readings, staining and/or odors) was observed in any two-foot interval, the second sample was collected from the 14-16-foot interval. Sufficient sample volume was collected for each analysis, with additional sample volume collected for reanalysis, if necessary. Soil samples were collected in glass containers.

The table below summarizes the sample designations, locations and depths.

Sample Name	Boring Location	Depth Interval (ft-bg)
SB-1A (0-2)	SB-1	0-2
SB-1A (14-16)	SB-1	14-16
SB-2 (0-2)	SB-2	0-2
SB-2(14-16)	SB-2	14-16
SB-3D (14-16) ¹	SB-3	14-16
SB-3(0-2)	SB-3	0-2
SB-3 (14-16)	SB-3	14-16
TW-1 (0-2)	SB-4/TW-1	0-2
TW-1 (14-16)	SB-4/TW-1	14-16
SB-5A (3-5)	SB-5	3-5
SB-5A (6-7)	SB-5	6-7
SB-6 (0-2)	SB-6	0-2
SB-6 (14-16)	SB-6	14-16

¹ Duplicate sample.

No grossly contaminated soil cuttings were encountered during this investigation; therefore, cuttings were not drummed. Following the completion of the soil sampling, boreholes were backfilled with clean cuttings/sand with a bentonite seal and concrete patch.

Soil samples were containerized in accordance with EPA analytical protocols. Each sample was labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. A record of each sample, including notation of any odors, color, and sample matrix, was kept in the sampler's field log book. A chain of custody was maintained throughout the field sampling, transport of samples to the laboratory, and lab analysis. One (1) additional duplicate soil sample, SB-3D (14-16), was collected from boring SB-3 for quality assurance/quality control (QA/QC) purposes. The soil samples were analyzed for TCL VOCs by EPA Method 8260, TCL SVOCs by EPA Method 8270, pesticides/polychlorinated biphenyls (PCBs) by EPA Method 8081/8082 and Target Analyte List (TAL) Metals by EPA Method 6010.

3.4 Groundwater Sampling

Three (3) one-inch temporary groundwater wells (TW-1 through TW-3) were installed in the presumed upgradient and downgradient directions. Direct push methods were used to install one-inch diameter PVC screen to approximately five (5) feet below the groundwater interface. A filter pack of sand was placed in the annular space around the screen. Half-inch diameter polyethylene tubing was inserted inside the temporary well and attached at the surface to a peristaltic water pump to purge and collect groundwater samples. A sufficient sample volume was collected for each analysis, with additional sample volume for reanalysis, if necessary. One (1) additional duplicate groundwater sample (TW-3D) was collected from boring SB-3 for QA/QC purposes. With the exception of the samples for metals analysis, all samples were collected in glass containers. A chain of custody was maintained throughout the field sampling, transport of samples to the laboratory and lab analysis.

Groundwater samples were containerized in accordance with EPA analytical protocols. The samples were labeled, sealed, and placed in a chilled cooler for shipment to the laboratory. The groundwater samples, including the duplicate, were analyzed for TCL VOCs by EPA Method 8260, TCL SVOCs by EPA Method 8270, pesticides/PCBs by EPA Method 8081/8082 and total and dissolved TAL Metals by EPA Method 6010.

4.0 FINDINGS

4.1 Geology and Hydrogeology

Observations during sampling activities indicate that, beneath the concrete/asphalt surface, the Site is covered with a layer of miscellaneous fill, ranging from approximately 5 to 10 ft-bg. The fill material consists of sand with cinders, ash, coal fragments and red brick. Fill material is underlain by clayey silt with some sand and fine to medium reddish brown sand with cobbles and gravel.

The Hudson River is located approximately 0.8 mile to the west of the Site. In general, topography in the vicinity of the Site gently decreases in elevation from the east to west. Based on the topography, and knowledge of groundwater in the surrounding area, groundwater most likely flows west-southwest toward the Hudson River. Groundwater was encountered during this investigation at approximately 17 to 18 ft-bg.

4.2 Geophysical Survey Results

The geophysical investigation utilized a Fisher TW-6 Pipe and Cable Locator (a type of hand-held electromagnetic metal-detector), Subsite and 3M Dynatel utility locators, and a Malå RAMAC/Ground Penetrating Radar (GPR) system with a 250-Megahertz (MHz) antenna. It should be noted that the depth of penetration of the GPR's signal was less than 4 feet. Objects located below that depth may not have been detected with GPR.

NAEVA identified a suspected remote fill port (see Figure 1 in Appendix C) in the sidewalk south of the attendant booth. That utility runs north approximately 41 feet and continues for another five (5) feet to the northwest, where it terminates. The TW-6 identified a metal-anomaly measuring approximately 17 by seven (7) feet in size near the termination of the fill port utility. Due to the proximity to the eastern building's wall the full extent of the metal anomaly could not be determined; however, the metal detector's response suggests a cylindrical target roughly the size of a 5,000-gallon (13 by 8 feet) UST. GPR data profiles at this location were inconclusive due to poor signal penetration. Although the full nature of the anomaly could not be determined, its location around the suspected fill port line is suggestive of an UST; however, due to absence of petroleum impacts in the subsurface or other indications, the anomaly may represent another type of subsurface structure.

An electric line was traced 53 feet north from the attendant booth to an electrical conduit supplying the car stackers. The main electric service line identified within the nearby manhole continued south into West 28th Street.

A line of unknown origin was located connecting the attendant booth with the suspected UST metal anomaly, suggesting an abandoned UST-related utility line. A natural gas valve was identified in the roadway south of the attendant booth, running approximately four (4) feet north where it terminates, suggesting the line has been capped. The GPR identified a possible former utility trench running through the center of the property in a north-south direction between the sidewalk and the car stackers. Naeva's report is included as Appendix C.

4.3 Soil Vapor Sampling Results

The results of the soil gas analysis were compared to the NYSDOH Air Guidance Values (AGVs) and three (3) databases based on background studies and referenced in the NYSDOH Soil Vapor Guidance. AGVs have been developed for only three (3) compounds in the VOC list: methylene chloride, tetrachloroethylene (PCE) and trichloroethylene (TCE). The remaining compounds were compared against values from the following background databases:

- Upper fence indoor air values from Table C1, NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes;
- 90th percentile indoor air values from Table C2, EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, and
- 95th percentile indoor air values from Table C5, Health Effects Institute (HEI) 2005: Relationship of Indoor, Outdoor and Personal Air

Note that the AGVs and background values apply to indoor air concentrations; however, they are used in this report to screen the soil vapor results.

Based on the laboratory analysis, VOCs, primarily gasoline constituents benzene, ethyl benzene, toluene, and xylene (BTEX) and isopropylbenzene, were detected in all soil vapor samples at concentrations below or slightly above the background database levels. One (1) VOC, chloroform, was detected in all samples at concentrations above the background levels. Chloromethane and TCE were detected in soil vapor sample SV-1 at concentrations of 4.2 and 5 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$), respectively, slightly above their respective background levels. Carbon disulfide was detected in sample SV-4 at a concentration above the background levels. A summary of the soil vapor analytical results is included as Table 1 and the laboratory analytical report is included in Appendix D.

4.4 Soil Sampling Results

The results of the soil analysis were compared to the New York State Department of Environmental Conservation (NYSDEC) Unrestricted Use soil cleanup objectives (SCOs) and Restricted Residential Use SCOs with the Commissioner's Policy 51 (CP-51) soil cleanup levels (SCLs). The Unrestricted Use SCOs are listed in 6 NYCRR Part 375-6.8(a). The Restricted Residential Use SCOs are listed in 6 NYCRR Part 375-6.8(b) and the October 21, 2010 NYSDEC DEC Policy CP-51. The Unrestricted Use SCOs are used as a screening value, while the Restricted Residential Use SCOs are consistent with the assumed future use of the building. Tenen notes that several VOCs and SVOCs from shallow samples collected from the fill material have reporting levels (RLs) above the Unrestricted Use and/or Restricted Residential SCOs; however, as this material is being excavated, the elevated RLs do not materially affect the conclusions.

No VOCs, SVOCs or PCBs were detected above the Unrestricted Use SCOs in any soil sample.

Two (2) pesticides commonly found in historic fill, 4,4'-DDE and 4,4'-DDT, were detected above the Unrestricted Use SCO of in samples TW-1 (0-2) and SB-3 (0-2). The results are below the Restricted Residential Use SCOs.

Several metals typical of historic fill, including lead, mercury, nickel and/or zinc, were detected above the Unrestricted Use SCOs in samples TW-1 (0-2), SB-3 (0-2), SB-5A (6-7), SB3 (0-2) and SB-6 (0-2). No metals were detected above the Restricted Residential Use SCOs.

Summaries of the soil analytical results are included in Tables 2 through 5. The laboratory analytical report is included in Appendix D.

4.5 Groundwater Sampling Results

Groundwater results were compared to the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Water Quality Standards and Guidance Values (Class GA Standards). The Class GA Standards represent levels that are protective of the groundwater as a source of drinking water; however, drinking water in Manhattan is provided by an upstate New York municipal system. Tenen notes that several VOCs and SVOCs and one (1) pesticide have RLs above the Class GA Standards; however, based on the compounds detected in soil and soil vapor, the results do not materially affect the conclusions.

No VOCs were detected in the three (3) groundwater samples except chloroform, which was detected in TW-1 at a concentration of 7.3 parts per billion (ppb) exceeding GA Standard of 7 ppb.

Several polyaromatic hydrocarbons (PAHs), benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene were detected above the Class GA Standard in the groundwater sample collected from TW-1. One PAH, benzo(a)anthracene was detected above the Class GA Standard in the groundwater sample collected from TW-3. These may be related to particles of fill material in the groundwater samples.

No pesticides or PCBs were detected above the Class GA Standards.

Both unfiltered (total) and filtered (dissolved) metals were analyzed. In the unfiltered samples, manganese and sodium were detected above the Class GA Standards. Manganese and sodium were also detected in the filtered samples at levels above the Class GA Standards. Aluminum was also detected in filtered groundwater sample TW-1. The similar concentrations in total and dissolved results indicate that these compounds are likely related to the characteristics of the aquifer. The metals detected are common earth metals that are likely unrelated to Site uses.

Groundwater analytical results are summarized in Tables 6 through 10. The laboratory analytical report is included in Appendix D.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of the Phase II, Tenen concludes the following:

- Historic fill is located from grade to depths between five (5) and ten (10) feet. The fill is underlain by native sand and silt. Bedrock was encountered at 67 ft-bg;
- Groundwater is located at approximately 17 to 18 ft-bg;
- The geophysical survey indicated a potential 5,000-gallon UST in the eastern portion of the existing parking lot;
- No evidence of petroleum contamination was encountered during the soil investigations in the vicinity of the potential UST location;
- Based on the laboratory analysis, VOCs, primarily BTEX and isopropylbenzene, were detected in soil vapor samples at concentrations below or slightly above the NYSDOH background database levels;
- Chloromethane and TCE were detected in soil vapor sample SV-1 at concentrations of 4.2 and 5 ug/m³, respectively, slightly above their respective background levels. Carbon disulfide was also detected at one (1) location at a concentration above background levels.
- No VOCs, SVOCs or PCBs were detected in soil above the Unrestricted Use SCOs. Fill-related pesticides and metals were detected at concentrations above the Unrestricted Use SCOs and below the Restricted Residential SCOs;
- No VOCs, SVOCs, pesticides or PCBs were detected in groundwater above the Class GA Standards, with the exception of chloroform and several fill-related PAHs in TW-1. Common earth metals were detected above Class GA standards in unfiltered and filtered samples;
- Soils will be removed to the depth of 14 ft-bg as part of the proposed project and dewatering activities will not be required. No areas of exposed soil (landscaped areas) will be part of the proposed development.

Therefore, Tenen recommends the following:

- All excavated material should be characterized and disposed in accordance with federal, state and local regulations;
- A Site-specific construction health and safety plan (CHASP) should be prepared and implemented during the development activities. During soil disturbances, a community air monitoring program (CAMP) should be implemented, and
- A composite cover system, including a vapor barrier, should be installed during Site development.

FIGURES



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Based on USGS Brooklyn NY Quadrangle, 2010 topographic map.

217 West 28th Street - New York, NY

Site Location Map

Figure 1

December 2012

TAX LOT 48

1 STORY HIGH BRICK BUILDING

TAX LOT 28

6 STORY BRICK BUILDING # 221

PARKING LIFTS

SV-3

CONCRETE

PARKING LIFTS

SB-3
TW-3

TAX LOT 30

SB-4
TMW-1

TAX LOT 29

SV-2
SB-2

ASPHALT
PARKING

SV-1
SB-6

TMW-2
*groundwater only

BOOTH

Site Boundary

SV-4

2-4 STORY BRICK COMMERCIAL BUILDING # 215

TAX LOT 31

SB-5

TAX LOT 22

5 STORY BRICK BUILDING

N

CELLAR
ENTRANCE

- Soil Vapor Sample Location
- Ambient Air Sample Location
- Soil/Groundwater Sample Location
- ⊕ Soil Sample Location

WEST 28th STREET

1 inch = 15 feet

TENEN ENVIRONMENTAL

Based on architectural survey by Leonard J. Strandberg and Associates Consulting Engineers and Land Surveyors, P.C., dated October 15, 2012.

217 West 28th Street - New York, NY

Sample Locations

Figure 2

January 2013

TABLES

Table 1 - Summary of VOCs Detected in Soil Vapor Samples
217 West 28th Street
OER # 3EHAN231M
Unit: ug/m3

	Lab Sample ID					BD14029		BD14030		BD14028		BD14027	
	Collection Date					12/26/12		12/26/12		12/26/12		12/26/12	
	Client ID					SV-1		SV-2		SV-3		SV-4	
	Matrix					Air		Air		Air		Air	
						Result	RL	Result	RL	Result	RL	Result	RL
	NYSDOH AGV	NYSDOH Matrix	NYSDOH 2003 Fuel Oil Indoor Air, Upper Fence	EPA 2001 Indoor Air, 90th Percentile	HEI 2005 Indoor Air, 95th Percentile								
Volatiles (TO15) By TO15													
1,2,4-Trimethylbenzene	NS	NA	9.8	9.5	NS	1.82	1	ND	1	8.89	1	1.57	1
1,3,5-Trimethylbenzene	NS	NA	3.9	3.7	NS	ND	1	ND	1	2.31	1	ND	1
4-Ethyltoluene	NS	NA	3.6	NS	NS	ND	1	ND	1	2.21	1	ND	1
4-Isopropyltoluene	NS	NA	NS	NS	NS	ND	1	ND	1	1.76	1	ND	1
Acetone	NS	NA	115	98.8	45.8	102	1	44.9	1	59.8	1	79.8	1
Benzene	NS	NA	13	9.4	10	10.3	1	4.98	1	9.35	1	16.4	1
Carbon Disulfide	NS	NA	NS	4.2	NS	2.52	1	1.18	1	14.6	1	3.61	1
Carbon Tetrachloride	NS	1	NS	<1.3	1.1	0.817	0.25	0.44	0.25	0.377	0.25	0.503	0.25
Chloroform	NS	NA	1.2	1.1	6.34	28.2	1	32.4	1	33.9	1	82.5	1
Chloromethane	NS	NA	4.2	3.7	NS	4.23	1	1.57	1	ND	1	2.06	1
Cis-1,2-Dichloroethene	2	2	NS	NS	NS	1.27	1	ND	1	1.35	1	ND	1
Cyclohexane	NS	NA	6.3	NS	NS	ND	1	1.07	1	ND	1	3.03	1
Dichlorodifluoromethane	NS	NA	10	16.5	NS	2.62	1	2.47	1	2.72	1	3.01	1
Ethanol	NS	NA	NS	210	NS	41.6	1	35.6	1	49.5	1	103	1
Ethyl acetate	NS	NA	NS	5.4	NS	2.99	1	ND	1	3.35	1	1.3	1
Ethylbenzene	NS	NA	6.4	5.7	7.62	2.13	1	ND	1	7.85	1	1.65	1
Heptane	NS	NA	18	NS	NS	9.91	1	1.39	1	11.2	1	4.3	1
Hexane	NS	NA	14	10.2	NS	ND	1	7.61	1	ND	1	ND	1
Isopropylalcohol	NS	NA	NS	250	NS	ND	1	ND	1	17.8	1	38.1	1
Isopropylbenzene	NS	NA	0.8	NS	NS	1.23	1	ND	1	ND	1	1.72	1
m,p-Xylene	NS	NA	11	22.2	22.2	7.38	1	1.43	1	25.4	1	6.68	1
Methyl Ethyl Ketone	NS	NA	16	12	NS	8.99	1	6.19	1	ND	1	ND	1
Methyl tert-butyl ether(MTBE)	NS	NA	14	6.2	71	11.2	1	ND	1	ND	1	ND	1
Methylene Chloride	60	NA	16	10	7.5	2.32	1	3.82	1	1.53	1	2.22	1
o-Xylene	NS	NA	7.1	7.9	7.24	2.69	1	ND	1	10.4	1	1.91	1
Styrene	NS	NA	1.4	1.9	5.13	ND	1	ND	1	1.4	1	ND	1
Tetrachloroethene	100	2	2.5	15.9	6.01	13.3	0.25	3.73	0.25	6.44	0.25	2.71	0.25
Toluene	NS	NA	57	43	39.8	12.4	1	3.31	1	26.5	1	14.5	1
Trichloroethene	5	1	0.5	4.2	1.36	5.58	0.25	4.46	0.25	2.63	0.25	1.93	0.25
Trichlorofluoromethane	NS	NA	12	18.1	NS	3.14	1	1.52	1	1.29	1	1.85	1

Highlighted in green and bold = above highest NYSDOH background concentration

NS = No Standard

NA = Not Available

ND = Not Detected

TABLE 2
Volatile Organic Compounds in Soil Samples
Parts Per Billion (ppb)

				BD14031 12/26/12 SB-1A 0-2 Soil	BD14032 12/26/12 SB-1A 6-8 Soil	BD14033 12/27/12 TW-1 0-2 Soil	BD14034 12/27/12 TW-1 14-16 Soil	BD14038 12/27/12 SB-2 0-2 Soil	BD14039 12/27/12 SB-2 14-16 Soil	BD14040 12/27/12 SB-3 0-2 Soil	BD14041 12/27/12 SB-3 14-16 Soil	BD14042 12/27/12 SB-3D 14-16 Soil	BD14045 12/27/12 SB-5A 6-7 Soil	BD14046 12/27/12 SB-5A 3-5 Soil	BD14035 12/27/12 SB-6 0-2 Soil	BD14036 12/27/12 SB-6 14-16 Soil	
	CP-51 Soil Gasoline/Fuel Oil	NYS Retriected- Residential	NYS UnRestricted	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Volatiles By SW8260																	
1,1,1-Trichloroethane		100,000	680	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.2
1,1,2,2-Tetrachloroethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,1,2-Trichloroethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,1-Dichloroethane		26,000	270	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,1-Dichloroethene		100,000	330	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2,3-Trichlorobenzene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2,4-Trichlorobenzene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2-Dibromo-3-chloropropane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2-Dibromoethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2-Dichlorobenzene		100,000	1,100	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2-Dichloroethane		3,100	20	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,2-Dichloropropane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,3-Dichlorobenzene		49,000	2,400	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
1,4-Dichlorobenzene		13,000	1,800	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
2-Hexanone				ND	32	ND	26	ND	27	ND	26	ND	27	ND	26	ND	26
4-Methyl-2-pentanone				ND	32	ND	26	ND	27	ND	26	ND	27	ND	26	ND	26
Acetone		100,000	50	ND	39	ND	26	ND	33	ND	26	ND	32	ND	26	ND	32
Benzene	60	4,800	60	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Bromochloromethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Bromodichloromethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Bromoform				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Bromomethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Carbon Disulfide				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Carbon tetrachloride		2,400	760	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Chlorobenzene		100,000	1,100	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Chloroethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Chloroform		49,000	370	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Chloromethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
cis-1,2-Dichloroethene		100,00	250	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
cis-1,3-Dichloropropene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Cyclohexane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Dibromochloromethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Dichlorodifluoromethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Ethylbenzene	1,000	41,000	1,000	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Isopropylbenzene	2,300			ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
m&p-Xylene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Methyl ethyl ketone		100,000	120	ND	39	ND	31	ND	33	ND	31	ND	34	ND	31	ND	32
Methyl t-butyl ether (MTBE)	930	100,000	930	ND	13	ND	10	ND	11	ND	10	ND	11	ND	10	ND	11
Methylacetate				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Methylcyclohexane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Methylene chloride		100,000	50	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
o-Xylene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Styrene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Tetrachloroethene		19,000	1,300	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Toluene	700	100,000	700	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Total Xylenes	260		260	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
trans-1,2-Dichloroethene		100,000	190	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
trans-1,3-Dichloropropene				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Trichloroethene		21,000	470	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Trichlorofluoromethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Trichlorotrifluoroethane				ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3
Vinyl chloride		900	20	ND	6.5	ND	5.2	ND	5.5	ND	5.2	ND	5.7	ND	5.2	ND	5.3

TABLE 3
Semivolatile Organic Compounds in Soil Samples
Parts Per Billion (ppb)

				BD14031 12/26/12 SB-1A 0-2 Soil		BD14032 12/26/12 SB-1A 6-8 Soil		BD14033 12/27/12 TW-1 0-2 Soil		BD14034 12/27/12 TW-1 14-16 Soil		BD14038 12/27/12 SB-2 0-2 Soil		BD14039 12/27/12 SB-2 14-16 Soil		BD14040 12/27/12 SB-3 0-2 Soil		BD14041 12/27/12 SB-3 14-16 Soil		BD14042 12/27/12 SB-3D 14-16 Soil		BD14045 12/27/12 SB-5A 6-7 Soil		BD14046 12/27/12 SB-5A 3-5 Soil		BD14035 12/27/12 SB-6 0-2 Soil		BD14036 12/27/12 SB-6 14-16 Soil	
	CP-51 Soil Gasoline/Fuel Oil	NYS Reticted- Residential	NYS Unrestricted	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Semivolatiles By SW 8270																													
1,1-Biphenyl				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
1,2,4,5-Tetrachlorobenzene				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,3,4,6-tetrachlorophenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,4,5-Trichlorophenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,4,6-Trichlorophenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,4-Dichlorophenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,4-Dimethylphenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,4-Dinitrophenol				ND	680	ND	550	ND	5,800	ND	550	ND	5,600	ND	550	ND	600	ND	540	ND	560	ND	570	ND	580	ND	5,900	ND	540
2,4-Dinitrotoluene				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2,6-Dinitrotoluene				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2-Chloronaphthalene				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2-Chlorophenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2-Methylnaphthalene				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2-Methylphenol (o-cresol)		100,000	330	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
2-Nitroaniline				ND	680	ND	550	ND	5,800	ND	550	ND	5,600	ND	550	ND	600	ND	540	ND	560	ND	570	ND	580	ND	5,900	ND	540
2-Nitrophenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
3&4-Methylphenol (m&p-cresol)				ND	430	ND	340	ND	3,600	ND	340	ND	3,500	ND	340	ND	370	ND	340	ND	350	ND	350	ND	360	ND	3,700	ND	340
3,3'-Dichlorobenzidine				ND	510	ND	410	ND	4,400	ND	410	ND	4,200	ND	410	ND	450	ND	410	ND	420	ND	420	ND	440	ND	4,400	ND	400
3-Nitroaniline				ND	680	ND	550	ND	5,800	ND	550	ND	5,600	ND	550	ND	600	ND	540	ND	560	ND	570	ND	580	ND	5,900	ND	540
4,6-Dinitro-2-methylphenol				ND	1,200	ND	1,000	ND	11,000	ND	1,000	ND	10,000	ND	990	ND	1,100	ND	980	ND	1,000	ND	1,000	ND	1,100	ND	11,000	ND	970
4-Bromophenyl phenyl ether				ND	430	ND	340	ND	3,600	ND	340	ND	3,500	ND	340	ND	370	ND	340	ND	350	ND	350	ND	360	ND	3,700	ND	340
4-Chloro-3-methylphenol				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
4-Chloroaniline				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
4-Chlorophenyl phenyl ether				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
4-Nitroaniline				ND	680	ND	550	ND	5,800	ND	550	ND	5,600	ND	550	ND	600	ND	540	ND	560	ND	570	ND	580	ND	5,900	ND	540
4-Nitrophenol				ND	1,200	ND	1,000	ND	11,000	ND	1,000	ND	10,000	ND	990	ND	1,100	ND	980	ND	1,000	ND	1,000	ND	1,100	ND	11,000	ND	970
Acenaphthene	20,000	100,000	20,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Acenaphthylene	100,000	100,000	100,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Acetophenone				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Anthracene	100,000	100,000	100,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Atrazine				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benz(a)anthracene	1,000	1,000	1,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benzaldehyde				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benzo(a)pyrene	1,000	1,000	1,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benzo(b)fluoranthene	1,000	1,000	1,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benzo(ghi)perylene	100,000	100,000	100,000	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benzo(k)fluoranthene	800	3,900	800	ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Benzyl butyl phthalate				ND	300	21,000	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Bis(2-chloroethoxy)methane				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Bis(2-chloroethyl)ether				ND	430	ND	340	ND	3,600	ND	340	ND	3,500	ND	340	ND	370	ND	340	ND	350	ND	350	ND	360	ND	3,700	ND	340
Bis(2-chloroisopropyl)ether				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Bis(2-ethylhexyl)phthalate				ND	300	570	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Caprolactam				ND	300	ND	240	ND	2,600	ND	240	ND	2,500	ND	240	ND	260	ND	240	ND	240	ND	250	ND	250	ND	2,600	ND	230
Carbazole				ND	1,200	ND	1,000	ND	11,000	ND	1,000	ND	10,000	ND	990	ND	1,100	ND	980	ND	1,000	ND	1,000	ND</					

TABLE 4
PCBs and Pesticides in Soil Samples
Parts Per Billion (ppb)

	BD14031		BD14032		BD14033		BD14034		BD14038		BD14039		BD14040		BD14041		BD14042		BD14045		BD14046		BD14035		BD14036						
	12/26/12		12/26/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12		12/27/12						
	SB-1A-0-2		SB-1A-6-8		TW-1 0-2		TW-14-16		SB-2 0-2		SB-2-14-16		SB-3 0-2		SB-3-14-16		SB-3D-14-16		SB-5A-6-7		SB-5A-3-5		SB-6-0-2		SB-6-14-16						
	NYS Restricted	NYS	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL					
PCBs By SW 8082	Residential	Unrestricted	100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1016			100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1221			100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1232			100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1242	1,000		100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1248	1,000		100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1254	1,000		100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1260	1,000		100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1262			100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
PCB-1268			100	ND	86	U	86	ND	69	U	69	ND	72	U	72	ND	68	U	68	ND	70	U	70	ND	68	U	68				
Pesticides By SW8081			13,000	3.3	ND	2.6	U	2.6	ND	2.1	U	2.1	ND*	22	U	(*)	22	ND	2	U	2	ND*	21	U	(*)	21	ND	2	U	2	
4,4'-DDE			8,900	3.3	ND	2.6	U	2.6	ND	2.1	U	2.1	ND*	22	U	(*)	22	ND	2	U	2	ND*	21	U	(*)	21	ND	2	U	2	
4,4'-DDT			7,900	3.3	ND	2.6	U	2.6	ND	2.1	U	2.1	ND*	22	U	(*)	22	ND	2	U	2	ND*	21	U	(*)	21	ND	2	U	2	
a-BHC			480	20	ND	4.1	U	4.1	ND	3.3	U	3.3	ND*	34	U	(*)	34	ND	3.2	U	3.2	ND*	34	U	(*)	34	ND	3.3	U	3.3	
Alachlor			97	5	ND	1.3	U	1.3	ND	1	U	1	ND*	11	U	(*)	11	ND	1	U	1	ND*	10	U	(*)	10	ND	1	U	1	
Aldrin			97	5	ND	1.3	U	1.3	ND	1	U	1	ND*	11	U	(*)	11	ND	1	U	1	ND*	10	U	(*)	10	ND	1	U	1	
b-BHC			36	ND	4.1	U	4.1	ND	3.3	U	3.3	ND*	34	U	(*)	34	ND	3.2	U	3.2	ND*	34	U	(*)	34	ND	3.3	U	3.3		
Chlordane			100,000	40	ND	13	U	13	ND	10	U	10	ND*	110	U	(*)	110	ND	10	U	10	ND*	100	U	(*)	100	ND	10	U	10	
o-BHC			100,000	40	ND	4.1	U	4.1	ND	3.3	U	3.3	ND*	34	U	(*)	34	ND	3.2	U	3.2	ND*	34	U	(*)	34	ND	3.3	U	3.3	
Dieldrin			200	5	ND	1.3	U	1.3	ND	1	U	1	ND*	11	U	(*)	11	ND	1	U	1	ND*	10	U	(*)	10	ND	1	U	1	
Endosulfan I			2,400	2,400	ND	4.1	U	4.1	ND	3.3	U	3.3	ND*	34	U	(*)	34	ND	3.2	U	3.2	ND*	34	U	(*)	34	ND	3.3	U	3.3	
Endosulfan II			2,400	2,400	ND	8.2	U	8.2	ND	6.6	U	6.6	ND*	69	U	(*)	69	ND	6.5	U	6.5	ND*	67	U	(*)	67	ND	6.6	U	6.6	
Endosulfan sulfate			2,400	2,400	ND	8.2	U	8.2	ND	6.6	U	6.6	ND*	69	U	(*)	69	ND	6.5	U	6.5	ND*	67	U	(*)	67	ND	6.6	U	6.6	
Endrin			11,000	14	ND	8.2	U	8.2	ND	6.6	U	6.6	ND*	69	U	(*)	69	ND	6.5	U	6.5	ND*	67	U	(*)	67	ND	6.6	U	6.6	
Endrin aldehyde					ND	8.2	U	8.2	ND	6.6	U	6.6	ND*	69	U	(*)	69	ND	6.5	U	6.5	ND*	67	U	(*)	67	ND	6.6	U	6.6	
Endrin ketone					ND	8.2	U	8.2	ND	6.6	U	6.6	ND*	69	U	(*)	69	ND	6.5	U	6.5	ND*	67	U	(*)	67	ND	6.6	U	6.6	
o-BHC			1,300	100	ND	1.3	U	1.3	ND	1	U	1	ND*	11	U	(*)	11	ND	1	U	1	ND*	10	U	(*)	10	ND	1	U	1	
Heptachlor epoxide			2,100		ND	4.1	U	4.1	ND	3.3	U	3.3	ND*	34	U	(*)	34	ND	3.2	U	3.2	ND*	34	U	(*)	34	ND	3.3	U	3.3	
Methoxychlor					ND	41	U	41	ND	33	U	33	ND*	340	U	(*)	340	ND	32	U	32	ND*	340	U	(*)	340	ND	33	U	33	
Toxaphene					ND	41	U	41	ND	33	U	33	ND*	340	U	(*)	340	ND	32	U	32	ND*	340	U	(*)	340	ND	33	U	33	
1,4-dioxane By SW8260			100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100
1,4-dioxane			100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100	ND	100	U	100

Result Detected

RL Exceeds Criteria

Result Exceeds Criteria

TABLE 5
Metals in Soil Samples
Parts Per Million (ppm)

			BD14031 12/26/12 SB-1A-0-2 Soil				BD14032 12/26/12 SB-1A-6-8 Soil				BD14033 12/27/12 TW-1 0-2 Soil				BD14034 12/27/12 TW-1 14-16 Soil				BD14038 12/27/12 SB-2 0-2 Soil				BD14039 12/27/12 SB-2 14-16 Soil				BD14040 12/27/12 SB-3 0-2 Soil				BD14041 12/27/12 SB-3 14-16 Soil				BD14042 12/27/12 SB-3D 14-16 Soil				BD14045 12/27/12 SB-5A-6-7 Soil				BD14046 12/27/12 SB-5A 3-5 Soil				BD14035 12/27/12 SB-6 0-2 Soil				BD14036 12/27/12 SB-6 14-16 Soil				
			Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL				Result RL Qual MDL								
			NYS-Restricted Residential				NY-UnRestricted																																																
Metals, Total			8,300	65	8.7	5,196	48	6.4	8,480	49	5.1	3,330	54	7.2	5,726	52	6.5	6,660	54	7.2	13,000	59	7.1	4,830	48	6.4	5,440	55	7.3	6,876	54	7.3	6,150	56	7.4	6,010	52	6.9	2,860	56	7.4	6,010	52	6.9	2,860	56	7.4	6,010	52	6.9	2,860	56	7.4		
Aluminum			BRL	4.3	U	0.87	BRL	3.2	U	0.64	BRL	3.3	U	0.65	BRL	3.6	U	0.72	BRL	3.6	U	0.72	BRL	3.9	U	0.74	BRL	3.2	U	0.64	BRL	3.7	U	0.73	BRL	3.6	U	0.73	BRL	3.7	U	0.74	BRL	3.6	U	0.73	BRL	3.7	U	0.74	BRL	3.6	U	0.73	
Arsenic	16	13	2.3	0.9	0.87	1.3	0.6	0.64	3.7	0.7	0.65	10.8	0.7	0.72	2.1	0.7	0.69	BRL	0.7	U	0.72	3	0.8	0.74	BRL	0.6	U	0.64	BRL	0.7	U	0.73	0.8	0.7	0.73	1.2	0.7	0.74	3.2	0.7	0.69	BRL	0.7	U	0.74	3.2	0.7	0.69	BRL	0.7	U	0.74			
Barium	400	350	45.9	0.43	0.17	36	0.32	0.13	190	0.33	0.13	31.2	0.36	0.14	81.8	0.35	0.14	25.2	0.36	0.14	46.5	0.39	0.16	40.8	0.32	0.13	62.9	0.37	0.15	61.7	0.36	0.15	29.3	0.37	0.15	107	0.35	0.14	16.3	0.37	0.15	107	0.35	0.14	16.3	0.37	0.15	107	0.35	0.14	16.3	0.37	0.15		
Beryllium	72	7.2	0.44	0.35	0.17	0.33	0.26	0.13	0.34	0.26	0.13	BRL	0.29	U	0.14	BRL	0.26	U	0.14	0.36	0.29	0.14	0.35	0.31	0.16	0.33	0.25	0.13	0.39	0.29	0.15	0.4	0.29	0.15	BRL	0.3	U	0.15	0.29	0.29	0.14	BRL	0.3	U	0.15	0.29	0.29	0.14	BRL	0.3	U	0.15			
Cadmium	4.3	2.5	BRL	0.43	U	0.17	BRL	0.32	U	0.13	0.45	0.33	0.13	BRL	0.36	U	0.14	BRL	0.35	U	0.14	BRL	0.39	U	0.16	BRL	0.32	U	0.13	BRL	0.37	U	0.15	BRL	0.36	U	0.15	BRL	0.37	U	0.15	1.8	0.35	0.14	BRL	0.37	U	0.15	1.8	0.35	0.14	BRL	0.37	U	0.15
Calcium			2,640	65	46	6,576	48	30	30,100	49	33	3,350	54	33	16,000	52	34	2,450	54	33	1,200	59	36	1,780	48	26	2,480	55	36	3,960	54	33	3,560	56	34	35,200	52	32	1,140	56	34	35,200	52	32	1,140	56	34	35,200	52	32	1,140	56	34		
Chromium			14.8	0.43	0.17	13	0.32	0.13	24.7	0.33	0.13	7.46	0.36	0.14	9.84	0.35	0.14	11.4	0.36	0.14	34.4	0.39	0.16	10.9	0.32	0.13	13.6	0.37	0.15	41.9	0.36	0.15	3.38	0.37	0.15	14.1	0.35	0.14	7.46	0.37	0.15	14.1	0.35	0.14	7.46	0.37	0.15	14.1	0.35	0.14	7.46	0.37	0.15		
Cobalt			4.76	0.43	0.17	4.82	0.32	0.13	5.98	0.33	0.13	2.31	0.36	0.14	6.67	0.35	0.14	3.74	0.36	0.14	6.85	0.38	0.16	2.98	0.32	0.13	3.83	0.37	0.15	6.03	0.36	0.15	3.38	0.37	0.15	4.98	0.35	0.14	1.91	0.37	0.15	4.98	0.35	0.14	1.91	0.37	0.15	4.98	0.35	0.14	1.91	0.37	0.15		
Copper	270	50	15	0.43	0.35	20.1	0.32	0.26	29.2	0.33	0.26	10.3	0.36	0.25	33.8	0.35	0.26	18.3	0.36	0.26	29.2	0.35	0.31	10.9	0.32	0.25	31	0.37	0.25	28.1	0.36	0.25	8.51	0.37	0.3	28.3	0.35	0.26	7.62	0.37	0.3	28.3	0.35	0.26	7.62	0.37	0.3	28.3	0.35	0.26	7.62	0.37	0.3		
Iron			15,000	65	43	9,480	48	32	14,200	49	33	6,130	54	36	16,400	52	35	10,200	54	36	19,100	56	38	8,620	48	32	9,810	55	37	13,600	54	36	7,420	56	37	13,900	52	35	5,950	56	39	13,900	52	35	5,950	56	39	13,900	52	35	5,950	56	39		
Lead	400	80	8.53	0.43	0.26	10	0.32	0.16	10.9	0.33	0.16	8.8	0.36	0.22	32.3	0.35	0.21	5.55	0.36	0.22	10.2	0.39	0.24	4.68	0.32	0.16	5.7	0.37	0.22	8.56	0.36	0.22	5.68	0.37	0.22	39.6	0.35	0.21	3.62	0.37	0.22	39.6	0.35	0.21	3.62	0.37	0.22	39.6	0.35	0.21	3.62	0.37	0.22		
Magnesium			3,750	65	2.6	3,050	48	1.3	5,330	49	2	1,620	54	2.3	5,970	52	2.1	3,070	54	2.2	2,620	59	2.4	2,350	48	1.5	2,740	55	2.3	3,440	54	2.2	2,160	56	2.3	7,150	52	2.1	1,500	56	2.2	7,150	52	2.1	1,500	56	2.2	7,150	52	2.1	1,500	56	2.2		
Manganese	2,000	1,600	158	4.3	1.7	208	3.2	1.3	231	3.3	1.3	154	3.6	1.4	184	3.5	1.4	59.3	0.36	0.14	339	3.9	1.6	177	3.2	1.3	367	3.7	1.5	137	3.6	1.5	88	0.37	0.15	219	3.5	1.4	141	3.7	1.6	219	3.5	1.4	141	3.7	1.6	219	3.5	1.4	141	3.7	1.6		
Mercury	0.61	0.61	BRL	0.1	U	0.06	BRL	0.06	U	0.04	0.06	0.06	0.06	U	0.04	0.07	0.07	0.04	BRL	0.07	U	0.04	BRL	0.07	U	0.04	BRL	0.07	U	0.04	BRL	0.06	U	0.04	BRL	0.07	U	0.04	0.06	0.07	0.04	BRL	0.08	U	0.05	0.06	0.07	0.04	BRL	0.08	U	0.05			
Nickel	310	30	14.3	0.43	0.17	11.9	0.32	0.13	15.6	0.33	0.13	6.86	0.36	0.14	13.1	0.35	0.14	18.4	0.36	0.14	18.4	0.39	0.16	11	0.32	0.13	14.4	0.37	0.15	37	0.36	0.15	6.85	0.37	0.15	14.4	0.35	0.14	6.01	0.37	0.15	14.4	0.35	0.14	6.01	0.37	0.15	14.4	0.35	0.14	6.01	0.37	0.15		
Potassium			1,140	6.5	3.4	1,099	4.8	2.5	3,190	4.9	2.4	858	5.4	2.8	1,510	5.2	2.7	1,320	5.4	2.8	1,450	59	31	884	48	25	1,020	55	29	1,490	54	28	941	56	29	2,030	5.2	2.7	851	5.6	2.8	2,030	5.2	2.7	851	5.6	2.8	2,030	5.2	2.7	851	5.6	2.8		
Selenium	180	3.9	BRL	1.7	U	1.5	BRL	1.3	U	1.1	BRL	1.3	U	1.1	BRL	1.4	U	1.2	BRL	1.4	U	1.2	BRL	1.6	U	1.3	BRL	1.3	U	1.1	BRL	1.5	U	1.2	BRL	1.5	U	1.3	BRL	1.4	U	1.2	BRL	1.5	U	1.3	BRL	1.4	U	1.2	BRL	1.5	U	1.3	
Silver	180	2	BRL	0.43	U	0.26	BRL	0.32	U	0.19	BRL	0.33	U	0.2	BRL	0.5	U	0.22	BRL	0.35	U	0.21	BRL	0.39	U	0.24	BRL	0.32	U	0.19	BRL	0.37	U	0.22	BRL	0.36	U	0.22	BRL	0.35	U	0.21	BRL	0.37	U	0.22	BRL	0.35	U	0.21	BRL	0.37	U	0.22	
Sodium			158	6.5	3.7	311	4.8	2.8	888	4.9	2.1	618	5.4	3.1	888	5.2	3	488	5.4	3.1	280	5.9	3.4	261	4.8	2.7	328	5.5	3.1	468	5.4	3.1	141	5.6	3.2	738	5.2	3	141	5.6	3.2	738	5.2	3	141	5.6	3.2	738	5.2	3	141	5.6	3.2		
Thallium			BRL	0.2	U	1.1	BRL	0.6	U	1.3	BRL	0.5	U	1.3	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	BRL	0.6	U	1.4	
Vanadium			18.8	0.43	0.17	15.1	0.32	0.13	39.6	0.33	0.13	11.2	0.36	0.14	75.4	0.35	0.14	17.3	0.36	0.14	43.8	0.39	0.16	13.2	0.32	0.13	19	0.37	0.15	29.8	0.36	0.15	11.3	0.37	0.15	66.6	0.35	0.14	7.61	0.37	0.15	66.6	0.35	0.14	7.61	0.37	0.15	66.6	0.35	0.14	7.61	0.37	0.15		
Zinc	10,000	100	44	0.43	0.4	18.3	0.32	0.32	3.3	0.3	3.1	28.2	0.36	0.36	49.8	0.35	0.32	12.3	0.36	0.36	37	0.39	0.31	13.3	0.32	0.32	15.4	0.37	0.31	20.2	0.36	0.36	17.2	0.37	0.31	3.5	0.3	3.1	3.12	0.37	0.31	3.5	0.3	3.1	3.12	0.37	0.31	3.5	0.3	3.1	3.12	0.37	0.31		

Result Detected
It Exceeds Criteria
It Exceeds Criteria

TABLE 6
Volatile Organic Compounds in Groundwater Samples
Parts Per Billion (ppb)

	Lab ID Sampling Date Client ID Matrix TOGS-WQ/GA	BD14037 12/27/2012 TW-1 Ground Water			BD14047 12/27/2012 TW-2 Ground Water			BD14043 12/27/2012 TW-3 Ground Water			BD14044 12/27/2012 TW-3D Ground Water		
		Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
Volatiles By SW8260													
1,1,1-Trichloroethane	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
1,1,2,2-Tetrachloroethane	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,1,2-Trichloroethane	1	ND	3	U	ND	3	U	ND	3	U	ND	3	U
1,1-Dichloroethane	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
1,1-Dichloroethene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,2,3-Trichlorobenzene		ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,2,4-Trichlorobenzene		ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromo-3-chloropropane	0.04	ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,2-Dibromoethane	0.0006	ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,2-Dichlorobenzene		ND	5	U	ND	5	U	ND	5	U	ND	5	U
1,2-Dichloroethane	0.6	ND	2	U	ND	2	U	ND	2	U	ND	2	U
1,2-Dichloropropane	1	ND	1	U	ND	1	U	ND	1	U	ND	1	U
1,3-Dichlorobenzene	3	ND	5	U	ND	5	U	ND	5	U	ND	5	U
1,4-Dichlorobenzene		ND	5	U	ND	5	U	ND	5	U	ND	5	U
2-Hexanone	50	ND	1	U	ND	1	U	ND	1	U	ND	1	U
4-Methyl-2-pentanone		ND	1	U	ND	1	U	ND	1	U	ND	1	U
Acetone	50	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Benzene	1	ND	0.7	U	ND	0.7	U	ND	0.7	U	ND	0.7	U
Bromochloromethane	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Bromodichloromethane	50	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Bromoform	50	ND	5	U	ND	5	U	ND	5	U	ND	5	U
Bromomethane	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
Carbon Disulfide		ND	1	U	ND	1	U	ND	1	U	ND	1	U
Carbon tetrachloride	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Chlorobenzene	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
Chloroethane	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
Chloroform	7	7.3	5		ND	5	U	5.8	5		6	5	
Chloromethane	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
cis-1,2-Dichloroethene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
cis-1,3-Dichloropropene	0.4	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Cyclohexane		ND	5	U	ND	5	U	ND	5	U	ND	5	U
Dibromochloromethane	50	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Dichlorodifluoromethane	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Ethylbenzene	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
Isopropylbenzene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
m&p-Xylene		ND	1	U	ND	1	U	ND	1	U	ND	1	U
Methyl ethyl ketone	50	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Methyl t-butyl ether (MTBE)		ND	1	U	ND	1	U	ND	1	U	ND	1	U
Methylacetate		ND	5	U	ND	5	U	ND	5	U	ND	5	U
Methylcyclohexane		ND	5	U	ND	5	U	ND	5	U	ND	5	U
Methylene chloride	5	ND	3	U	ND	3	U	ND	3	U	ND	3	U
o-Xylene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Styrene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Tetrachloroethene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Toluene	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
Total Xylenes	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
trans-1,2-Dichloroethene	5	ND	5	U	ND	5	U	ND	5	U	ND	5	U
trans-1,3-Dichloropropene	0.4	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Trichloroethene	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Trichlorofluoromethane	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Trichlorotrifluoroethane	5	ND	1	U	ND	1	U	ND	1	U	ND	1	U
Vinyl chloride	2	ND	1	U	ND	1	U	ND	1	U	ND	1	U

TABLE 7
Semivolatile Compounds In Groundwater Samples
Parts Per Billion (ppb)

	Lab Sample ID Collection Date Client ID Matrix TOGS-WQ/GA	BD14037 12/27/2012 TW-1 Ground Water			BD14047 12/27/2012 TW-2 Ground Water			BD14043 12/27/2012 TW-3 Ground Water			BD14044 12/27/2012 TW-3D Ground Water		
		Result	RL	Qual	Result	RL	Qual	Result	RL	Qual	Result	RL	Qual
1,1-Biphenyl	5	ND	0.9	U	ND	0.9	U	ND	0.97	U	ND	0.9	U
1,2,4,5-Tetrachlorobenzene		ND	2	U	ND	2	U	ND	2.2	U	ND	2	U
Acenaphthylene		ND	0.3	U	ND	0.3	U	ND	0.32	U	ND	0.3	U
Atrazine	7.5	ND	3	U	ND	3	U	ND	3.2	U	ND	3	U
Benz(a)anthracene	0.002	0.12	0.02		ND	0.02	U	0.022	0.022		ND	0.02	U
Benzo(a)pyrene		0.08	0.02		ND	0.02	U	ND	0.022	U	ND	0.02	U
Benzo(b)fluoranthene	0.002	0.09	0.02		ND	0.02	U	ND	0.022	U	ND	0.02	U
Benzo(k)fluoranthene	0.002	0.04	0.02		ND	0.02	U	ND	0.022	U	ND	0.02	U
Bis(2-ethylhexyl)phthalate	5	ND	2	U	ND	2	U	ND	2.2	U	ND	2	U
Chrysene	0.002	0.11	0.02		ND	0.02	U	ND	0.022	U	ND	0.02	U
Dibenz(a,h)anthracene		ND	0.02	U	ND	0.02	U	ND	0.022	U	ND	0.02	U
Hexachlorobenzene	0.04	ND	0.02	U	ND	0.02	U	ND	0.022	U	ND	0.02	U
Hexachlorobutadiene	0.5	ND	0.5	U	ND	0.5	U	ND	0.54	U	ND	0.5	U
Hexachloroethane	5	ND	3	U	ND	3	U	ND	3.2	U	ND	3	U
Indeno(1,2,3-cd)pyrene	0.002	0.04	0.02		ND	0.02	U	ND	0.022	U	ND	0.02	U
N-Nitrosodimethylamine		ND	0.8	U	ND	0.8	U	ND	0.86	U	ND	0.8	U
Pentachlorophenol	1	ND	0.3	U	ND	0.3	U	ND	0.32	U	ND	0.3	U
Phenanthrene	50	1.6	0.077		ND	0.077	U	ND	0.083	U	ND	0.077	U
2,3,4,6-tetrachlorophenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2,4,5-Trichlorophenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2,4,6-Trichlorophenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2,4-Dichlorophenol	5	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2,4-Dimethylphenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2,4-Dinitrophenol	5	ND	25	U	ND	25	U	ND	27	U	ND	25	U
2,4-Dinitrotoluene	5	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2,6-Dinitrotoluene	5	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2-Chloronaphthalene	10	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2-Chlorophenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2-Methylnaphthalene		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2-Methylphenol (o-cresol)	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
2-Nitroaniline	5	ND	25	U	ND	25	U	ND	27	U	ND	25	U
2-Nitrophenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
3&4-Methylphenol (m&p-cresol)		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
3,3'-Dichlorobenzidine	5	ND	10	U	ND	10	U	ND	11	U	ND	10	U
3-Nitroaniline	5	ND	25	U	ND	25	U	ND	27	U	ND	25	U
4,6-Dinitro-2-methylphenol	1	ND	25	U	ND	25	U	ND	27	U	ND	25	U
4-Bromophenyl phenyl ether		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
4-Chloro-3-methylphenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
4-Chloroaniline	5	ND	10	U	ND	10	U	ND	11	U	ND	10	U
4-Chlorophenyl phenyl ether		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
4-Nitroaniline	5	ND	25	U	ND	25	U	ND	27	U	ND	25	U
4-Nitrophenol	1	ND	25	U	ND	25	U	ND	27	U	ND	25	U
Acenaphthene	20	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Acetophenone		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Anthracene	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Benzaldehyde		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Benzo(ghi)perylene		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Benzyl butyl phthalate	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Bis(2-chloroethoxy)methane	5	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Bis(2-chloroethyl)ether	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Bis(2-chloroisopropyl)ether		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Caprolactam		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Carbazole		ND	25	U	ND	25	U	ND	27	U	ND	25	U
Dibenzofuran		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Diethyl phthalate	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Dimethylphthalate	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Di-n-butylphthalate	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Di-n-octylphthalate	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Fluoranthene	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Fluorene	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Hexachlorocyclopentadiene	5	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Isophorone	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Naphthalene	10	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Nitrobenzene	0.4	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
N-Nitrosodi-n-propylamine		ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
N-Nitrosodiphenylamine	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Phenol	1	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U
Pyrene	50	ND	5	U	ND	5	U	ND	5.4	U	ND	5	U

TABLE 8
PCBs and Pesticides in Groundwater Samples
Parts Per Billion

	Lab Sample ID Collection Date Client ID Matrix TOGS-WQ/GA	BD14037 12/27/2012 TW-1 Ground Water				BD14047 12/27/2012 TW-2 Ground Water				BD14043 12/27/2012 TW-3 Ground Water				BD14044 12/27/2012 TW-3D Ground Water			
		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
PCBs By SW8082																	
PCB-1016	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1221	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1232	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1242	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1248	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1254	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1260	0.09	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1262		ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
PCB-1268		ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
Pesticides By SW8081																	
4,4' -DDD	0.3	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
4,4' -DDE	0.2	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
4,4' -DDT	0.2	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
a-BHC	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
Alachlor	0.5	ND	0.075	U	0.075	ND	0.075	U	0.075	ND	0.075	U	0.08	ND	0.075	U	0.075
Aldrin		ND	0.002	U	0.002	ND	0.002	U	0.002	ND	0.002	U	0	ND	0.002	U	0.002
b-BHC	0.04	ND	0.005	U	0.005	ND	0.005	U	0.005	ND	0.005	U	0.01	ND	0.005	U	0.005
Chlordane	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
d-BHC	0.04	ND	0.025	U	0.025	ND	0.025	U	0.025	ND	0.025	U	0.03	ND	0.025	U	0.025
Dieldrin	0.004	ND	0.002	U	0.002	ND	0.002	U	0.002	ND	0.002	U	0	ND	0.002	U	0.002
Endosulfan I		ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
Endosulfan II		ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
Endosulfan Sulfate		ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
Endrin		ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
Endrin Aldehyde	5	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
Endrin ketone	5	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05	ND	0.05	U	0.05
g-BHC (Lindane)	0.05	ND	0.025	U	0.025	ND	0.025	U	0.025	ND	0.025	U	0.03	ND	0.025	U	0.025
Heptachlor	0.04	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
Heptachlor epoxide	0.03	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01	ND	0.01	U	0.01
Methoxychlor	35	ND	0.1	U	0.1	ND	0.1	U	0.1	ND	0.1	U	0.1	ND	0.1	U	0.1
Toxaphene	0.06	ND	0.25	U	0.25	ND	0.25	U	0.25	ND	0.25	U	0.25	ND	0.25	U	0.25
1,4-dioxane By SW8260																	
1,4-dioxane																	
1,4-dioxane		ND	100	U		ND	100	U		ND	100	U		ND	100	U	




TABLE 9
Total Metals in Groundwater Samples
Parts Per Million (ppm)

	Lab Sample Id	BD14037				BD14047				BD14043				BD14044			
	Collection Date	12/27/2012				12/27/2012				12/27/2012				12/27/2012			
	Client Id	TW-1				TW-2				TW-3				TW-3D			
	Matrix	Ground Water				Ground Water				Ground Water				Ground Water			
	TOGS-WQ/GA	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Metals, Total																	
Aluminum	0.1	0.013	0.01		0.0022	BRL	0.01	U	0.0022	BRL	0.01	U	0.0022	BRL	0.01	U	0.0022
Antimony	0.003	BRL	0.003	U	0.0045	BRL	0.003	U	0.0045	BRL	0.003	U	0.0045	BRL	0.003	U	0.0045
Arsenic	0.025	BRL	0.004	U	0.0027	BRL	0.004	U	0.0027	BRL	0.004	U	0.0027	BRL	0.004	U	0.0027
Barium	1	0.125	0.002		0.0003	0.182	0.002		0.0003	0.081	0.002		0.0003	0.081	0.002		0.0003
Beryllium	0.003	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002
Cadmium	0.005	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002
Calcium		72.4	0.01		0.0023	69	0.01		0.0023	85.2	0.01		0.0023	81.3	0.01		0.0023
Chromium	0.05	0.001	0.001		0.0007	BRL	0.001	U	0.0007	BRL	0.001	U	0.0007	BRL	0.001	U	0.0007
Cobalt		BRL	0.002	U	0.0008	BRL	0.002	U	0.0008	BRL	0.002	U	0.0008	BRL	0.002	U	0.0008
Copper	0.2	BRL	0.005	U	0.0004	0.006	0.005		0.0004	0.005	0.005		0.0004	BRL	0.005	U	0.0004
Iron	0.3	0.148	0.01		0.005	0.025	0.01		0.005	0.044	0.01		0.005	0.019	0.01		0.005
Lead	0.025	BRL	0.002	U	0.0017	BRL	0.002	U	0.0017	BRL	0.002	U	0.0017	BRL	0.002	U	0.0017
Magnesium	35	19.3	0.01		0.0007	21.6	0.01		0.0007	19.3	0.01		0.0007	19.5	0.01		0.0007
Manganese	0.3	0.373	0.001		0.0001	0.288	0.001		0.0001	0.073	0.001		0.0001	0.072	0.001		0.0001
Mercury	0.0007	BRL	2E-04	U	0.0002	BRL	0.0002	U	0.0002	BRL	0.0002	U	0.00015	BRL	2E-04	U	0.00015
Nickel	0.1	0.003	0.001		0.0005	0.005	0.001		0.0005	0.003	0.001		0.0005	0.003	0.001		0.0005
Potassium																	
Potassium		15.3	0.1		0.0089	16.8	0.1		0.0089	8.3	0.1		0.0089	10.8	0.1		0.0089
Selenium																	
Selenium	0.01	BRL	0.01	U	0.0057	BRL	0.01	U	0.0057	BRL	0.01	U	0.0057	BRL	0.01	U	0.0057
Silver	0.05	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003
Sodium	20	77.7	1		0.083	122	1		0.083	59.2	0.1		0.0083	53.4	1		0.083
Thallium	0.0005	BRL	5E-04	U	0.001	BRL	0.0005	U	0.001	BRL	0.0005	U	0.001	BRL	5E-04	U	0.001
Vanadium		BRL	0.002	U	0.0003	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003
Zinc	5	0.002	0.002		0.0011	BRL	0.002	U	0.0011	BRL	0.002	U	0.0011	BRL	0.002	U	0.0011

TABLE 10
Dissolved Metals in Groundwater Samples
Parts Per Million (ppm)

	Lab Sample ID Collection Date Client ID Matrix TOGS-WQ/GA	BD14037 12/27/2012 TW-1 Ground Water				BD14047 12/27/2012 TW-2 Ground Water				BD14043 12/27/2012 TW-3 Ground Water				BD14044 12/27/2012 TW-3D Ground Water			
		Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL	Result	RL	Qual	MDL
Metals, Total																	
Aluminum (Dissolved)	0.1	BRL	0.01	U	0.0023	0.11	0.01		0.0023	BRL	0.01	U	0.0023	BRL	0.01	U	0.0023
Antimony (Dissolved)	0.003	BRL	0.003	U	0.0048	BRL	0.003	U	0.0048	BRL	0.003	U	0.0048	BRL	0.003	U	0.0048
Arsenic (Dissolved)	0.025	BRL	0.004	U	0.0029	BRL	0.004	U	0.0029	BRL	0.004	U	0.0029	BRL	0.004	U	0.0029
Barium (Dissolved)	1	0.119	0.002		0.0003	0.182	0.002		0.0003	0.079	0.002		0.0003	0.079	0.002		0.0003
Beryllium (Dissolved)	0.003	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002
Cadmium (Dissolved)	0.005	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002	BRL	0.001	U	0.0002
Calcium (Dissolved)		68.4	0.01		0.0025	65.1	0.01		0.0025	78.3	0.01		0.0025	78.3	0.01		0.0025
Chromium (Dissolved)	0.05	BRL	0.001	U	0.0008	BRL	0.001	U	0.0008	BRL	0.001	U	0.0008	BRL	0.001	U	0.0008
Cobalt (Dissolved)		BRL	0.001	U	0.0009	BRL	0.001	U	0.0009	BRL	0.001	U	0.0009	BRL	0.001	U	0.0009
Copper (Dissolved)	0.2	BRL	0.005	U	0.0004	BRL	0.005	U	0.0004	BRL	0.005	U	0.0004	BRL	0.005	U	0.0004
Iron (Dissolved)	0.3	BRL	0.011	U	0.005	BRL	0.011	U	0.005	BRL	0.011	U	0.005	BRL	0.011	U	0.005
Lead (Dissolved)	0.025	BRL	0.002	U	0.0018	BRL	0.002	U	0.0018	BRL	0.002	U	0.0018	BRL	0.002	U	0.0018
Magnesium (Dissolved)	35	17.6	0.01		0.0008	19.7	0.01		0.0008	18.1	0.01		0.0008	18.4	0.01		0.0008
Manganese (Dissolved)	0.3	0.35	0.001		0.0001	0.27	0.001		0.0001	0.066	0.001		0.0001	0.068	0.001		0.0001
Mercury (Dissolved)	0.0007	BRL	0.0002	U	0.00015	BRL	0.0002	U	0.0002	BRL	0.0002	U	0.00015	BRL	0.0002	U	0.00015
Nickel (Dissolved)	0.1	0.002	0.001		0.0005	0.004	0.001		0.0005	0.003	0.001		0.0005	0.003	0.001		0.0005
Potassium (Dissolved)		16	0.1		0.0095	16.6	0.1		0.0095	11.2	0.1		0.0095	11.2	0.1		0.0095
Selenium (Dissolved)	0.01	BRL	0.01	U	0.0061	BRL	0.01	U	0.0061	BRL	0.01	U	0.0061	BRL	0.01	U	0.0061
Silver (Dissolved)	0.05	BRL	0.001	U	0.0003	BRL	0.001	U	0.0003	BRL	0.001	U	0.0003	BRL	0.001	U	0.0003
Sodium (Dissolved)	20	75.6	1.1		0.089	130	1.1		0.089	54.6	1.1		0.089	55.3	0.11		0.0089
Thallium (Dissolved)	0.0005	BRL	0.0005	U	0.001	BRL	0.0005	U	0.001	BRL	0.0005	U	0.001	BRL	0.0005	U	0.001
Vanadium (Dissolved)		BRL	0.002	U	0.0003	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003	BRL	0.002	U	0.0003
Zinc (Dissolved)	5	BRL	0.002	U	0.0012	BRL	0.002	U	0.0012	BRL	0.002	U	0.0012	BRL	0.002	U	0.0012

TABLE 11
Laboratory Qualifiers

<u>Qualifiers</u>	
U	The compound was analyzed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
J	The value is estimated. This flag is used a) on form 1 when the compound is reported above the MDL, but below the PQL, and b) on the Tentatively Identified Compounds (TIC) form for all compounds identified.
N	The concentration is based on the response for the nearest internal. This flag is used on the TIC form for all compounds identified.
S	This compound is a solvent that is used in the laboratory. Laboratory contamination is suspected if concentration is less than five times the reporting level.
D	The reported concentration is the result of a diluted analysis.
(*)	See report for comment.
	Result Detected
	RL Exceeds Criteria
	Result Exceeds Criteria

APPENDIX A
BORING LOGS

TENEN ENVIRONMENTAL					Boring No. SB-1 Sheet 1 of 1	
Site: 217 West 28th Street					Drilling Method: Hand-held Geoprobe	
Date: 1/26/2013					Sampling Method: Acetate liners	
Weather: cloudy, 39F					Driller : ADT Drilling	
Observer: Mohamed Ahmed					Start Time: 10:15	
Depth (feet)	PID Reading (ppm)	Recovery	Soil Gas Sample	Soil Samples	Soil Description	
1	ND				Gray Clayey Silt	
2						
3	ND	60.0%				
4	ND				Brown Silty Sand, Cobbles, and Gravel	
5						
6	ND					
7	ND				Fine to Medium Sand and Gravel	
8		40.0%				
Notes: PID - Photoionization Detector ND - Not Detected						

Refusal @ 8 feet

TENEN ENVIRONMENTAL					Boring No. SB-2
Site: 217 West 28th Street					Sheet 1 of 1
Date: 1/27/2013					Drilling Method: Track-mounted Geoprobe
Weather: cloudy, 39F					Sampling Method: Acetate liners
Observer: Mohamed Ahmed					Driller : ADT Drilling
					Start Time: 11:45
Depth (feet)	PID Reading (ppm)	Recovery	Soil Gas Sample	Soil Samples	Soil Description
1	ND	30.0%			Fill (ash, red brick and coal fragments with black silty sand)
2					
3					
4					
5	ND				
6	ND	60.0%			5-7' same as above 7-10' Gray Clayey Silt with little Sand
7					
8					
9					
10					
11	ND	80.0%			10-12' same as above. 12-15' Reddish-brown Coarse Sand and Gravel with Cobbles
12					
13					
14					
15					
16	ND				15-16' same as above. 16' End of Boring
17					
18					
19					
20	ND				
Notes: PID - Photoionization Detector ND - Not Detected					

TENEN ENVIRONMENTAL					Boring No.	SB-3
					Sheet	1 of 1
Site:					217 West 28th Street	
Date:					1/27/2013	
Weather:					cloudy, 39F	
Observer:					Mohamed Ahmed	
					Drilling Method:	Track-mounted Geoprobe
					Sampling Method:	Acetate liners
					Driller :	ADT Drilling
					Start Time:	
Depth (feet)	PID Reading (ppm)	Recovery	Soil Gas Sample	Soil Samples	Soil Description	
1	ND	10.0%			Fill (ash, red brick and coal fragments with black silty sand)	
2						
3						
4						
5	ND				No recovery.	
6	ND	0.0%				
7						
8						
9						
10					10-12' Gray Clayey Silt with little Sand 12-15' Reddish Brown fine to medium Sand and gravel with little Silt.	
11	ND	40.0%				
12						
13						
14						
15						
16	ND					
Notes: PID - Photoionization Detector ND - Not Detected						

TENEN ENVIRONMENTAL					Boring No.	SB-4/TW-1
Site: 217 West 28th Street					Sheet	1 of 1
Date: 1/27/2013					Drilling Method:	Track-mounted Geoprobe
Weather: cloudy, 39F					Sampling Method:	Acetate liners
Observer: Mohamed Ahmed					Driller :	ADT Drilling
					Start Time:	8:15
Depth (feet)	PID Reading (ppm)	Recovery	Groundwater Well	Soil Samples	Soil Description	
1	ND	30.0%			Fill (red brick and cinders with black silty sand and gravel)	
2						
3						
4						
5	ND					
6	ND	60.0%			5-7' same above. 7-10' Gray Clayey Silt with little Sand	
7						
8						
9						
10						
11	ND	80.0%			10-12' Gray Clayey Silt with little Sand 12-15' Reddish Brown fine to medium Sand and gravel with little Silt.	
12						
13						
14						
15						
16	ND				15-20' same as above, wet at 16 feet.	
17						
18						
19						
20						

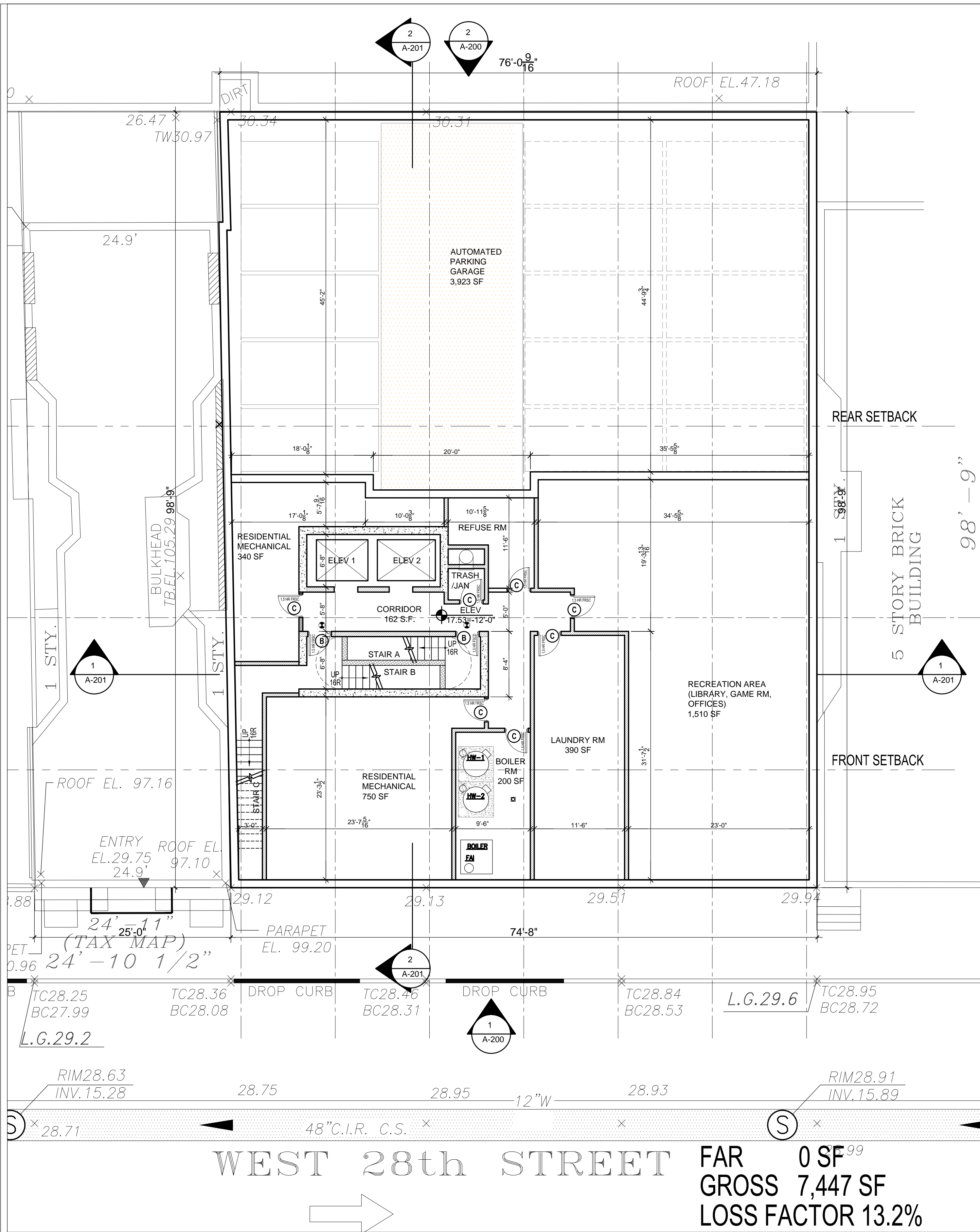
Notes:
PID - Photoionization Detector
ND - Not Detected

TENEN ENVIRONMENTAL					Boring No. SB-5 Sheet 1 of 1	
Site: 217 West 28th Street					Drilling Method: Hand-held Geoprobe	
Date: 1/26/2013					Sampling Method: Acetate liners	
Weather: cloudy, 39F					Driller : ADT Drilling	
Observer: Mohamed Ahmed					Start Time: 11:20	
Depth (feet)	PID Reading (ppm)	Recovery	Soil Gas Sample	Soil Samples	Soil Description	
1	ND				Gray Clayey Silt	
2						
3	ND	20.0%				
4	ND				Brown Silty Sand, Cobbles, and Gravel	
5					Refusal @ 5.5 feet	
Notes: PID - Photoionization Detector ND - Not Detected						

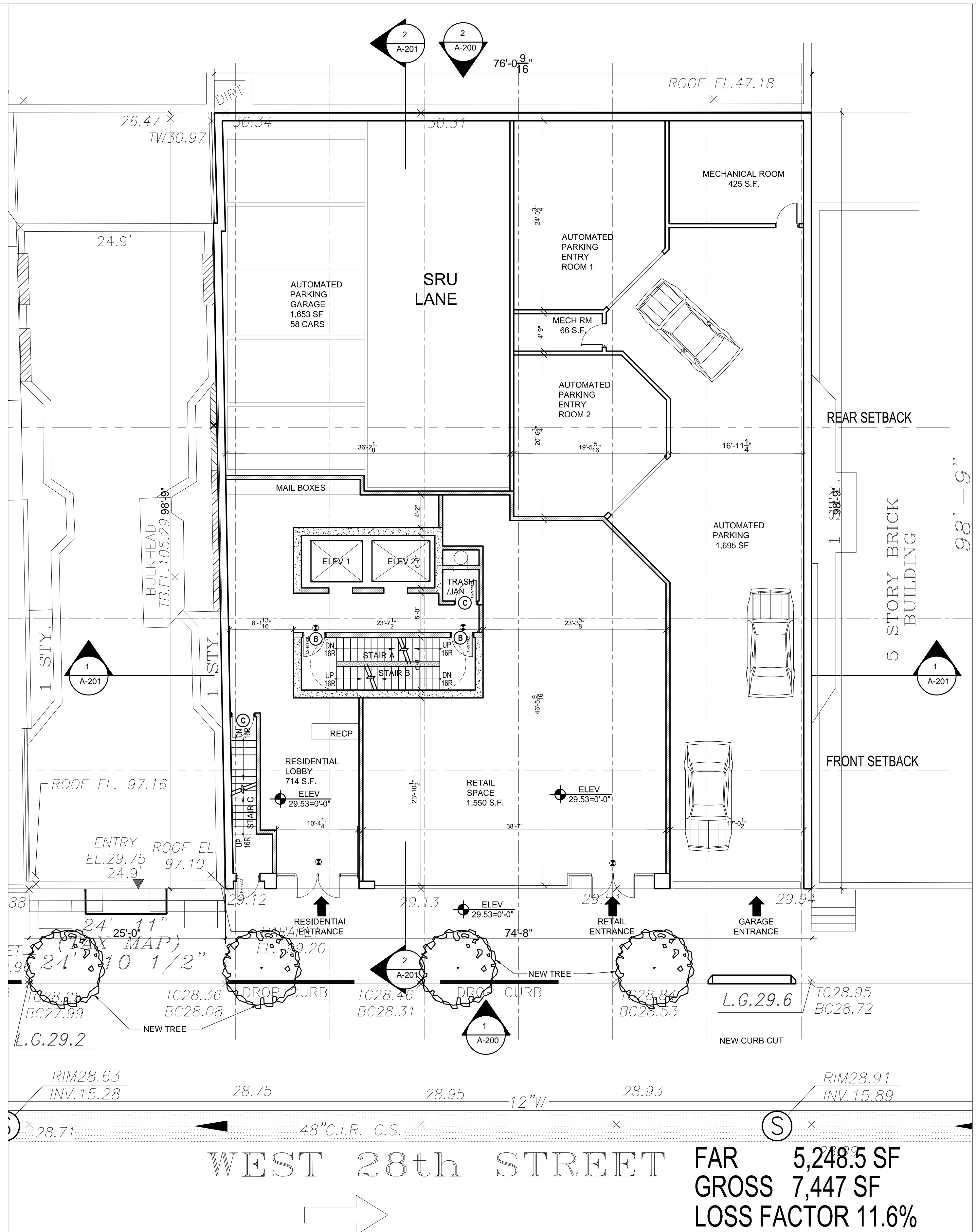
TENEN ENVIRONMENTAL					Boring No.	SB-5A
					Sheet	1 of 1
Site: 217 West 28th Street					Drilling Method: Hand-held Geoprobe	
Date: 1/27/2013					Sampling Method: Acetate liners	
Weather: cloudy, 39F					Driller : ADT Drilling	
Observer: Mohamed Ahmed					Start Time: 2:25	
Depth (feet)	PID Reading (ppm)	Recovery	Soil Gas Sample	Soil Samples	Soil Description	
1					No Recovery	
2						
3		0.0%				
4					Brown medium to coarse Sand	
5						
6						
7					Same above	
Notes: PID - Photoionization Detector ND - Not Detected						

TENEN ENVIRONMENTAL					Boring No.	SB-6
					Sheet	1 of 1
Site: 217 West 28th Street					Drilling Method: Track-mounted Geoprobe	
Date: 1/27/2013					Sampling Method: Acetate liners	
Weather: cloudy, 39F					Driller : ADT Drilling	
Observer: Mohamed Ahmed					Start Time: 10:25	
Depth (feet)	PID Reading (ppm)	Recovery	Soil Gas Sample	Soil Samples	Soil Description	
1	ND	30.0%			0-10' Fill (ash, red brick and coal fragments with black silty sand)	
2						
3						
4						
5						
6	ND	40.0%				
7						
8						
9						
10						
11	ND	60.0%			10-14' Gray Clayey Silt with little Sand 14-16' Reddish Brown fine to medium Sand and gravel with little Silt.	
12						
13						
14						
15						
16	ND					
Notes: PID - Photoionization Detector ND - Not Detected						

APPENDIX B
PROPOSED PROJECT PLANS



1 CELLAR FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

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- ELEVATOR AND CHUTE SHAFTS SHALL BE OF 2HR RATED CONSTRUCTION
- DEMISING WALLS BETWEEN DIFFERENT USE GROUPS SHALL BE OF 2HR RATED CONSTRUCTION
- DEMISING WALLS BETWEEN APARTMENTS SHALL BE OF 2HR RATED CONSTRUCTION

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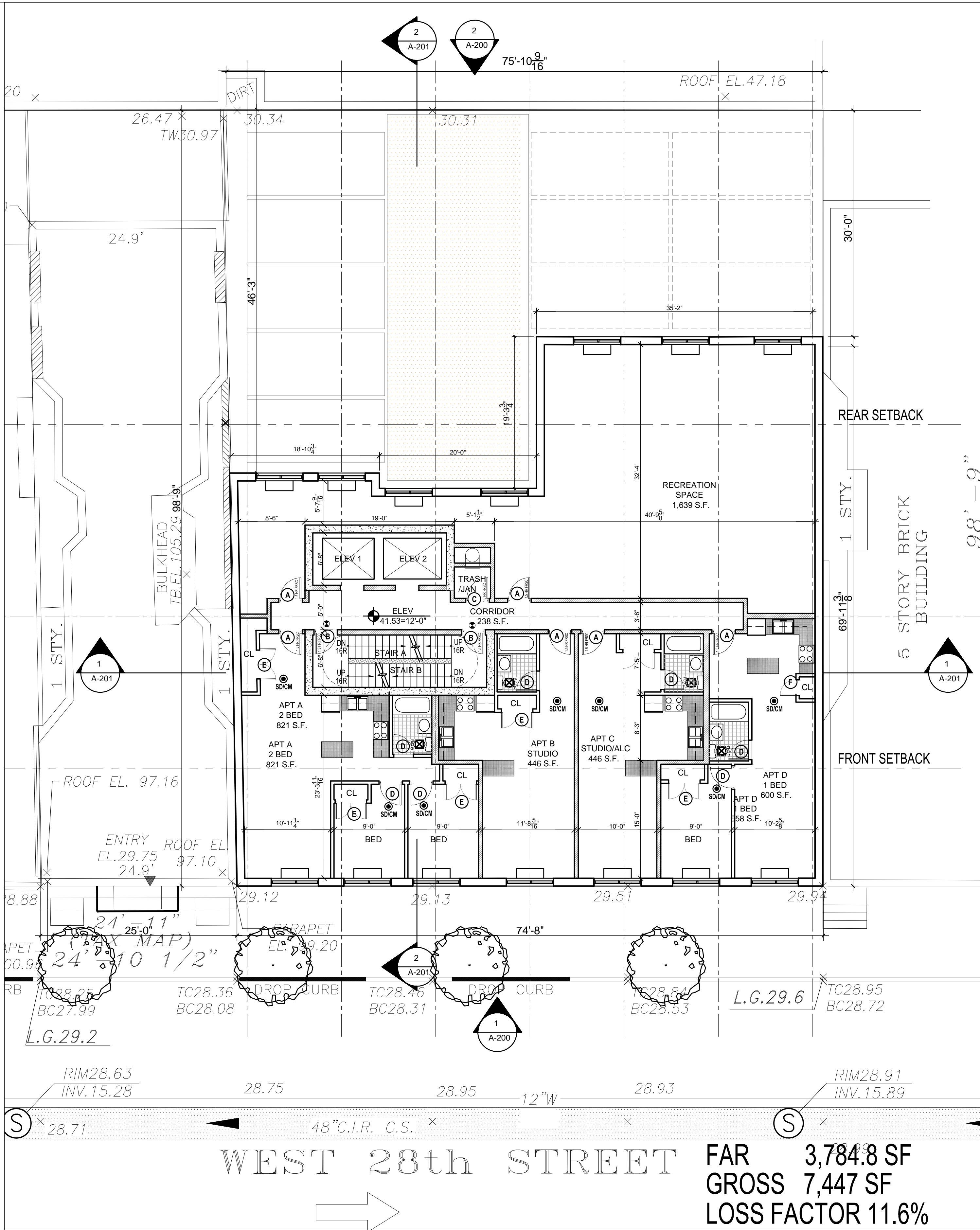
STRUCTURAL

PROJECT
**WEST 28TH ST
RENTALS**

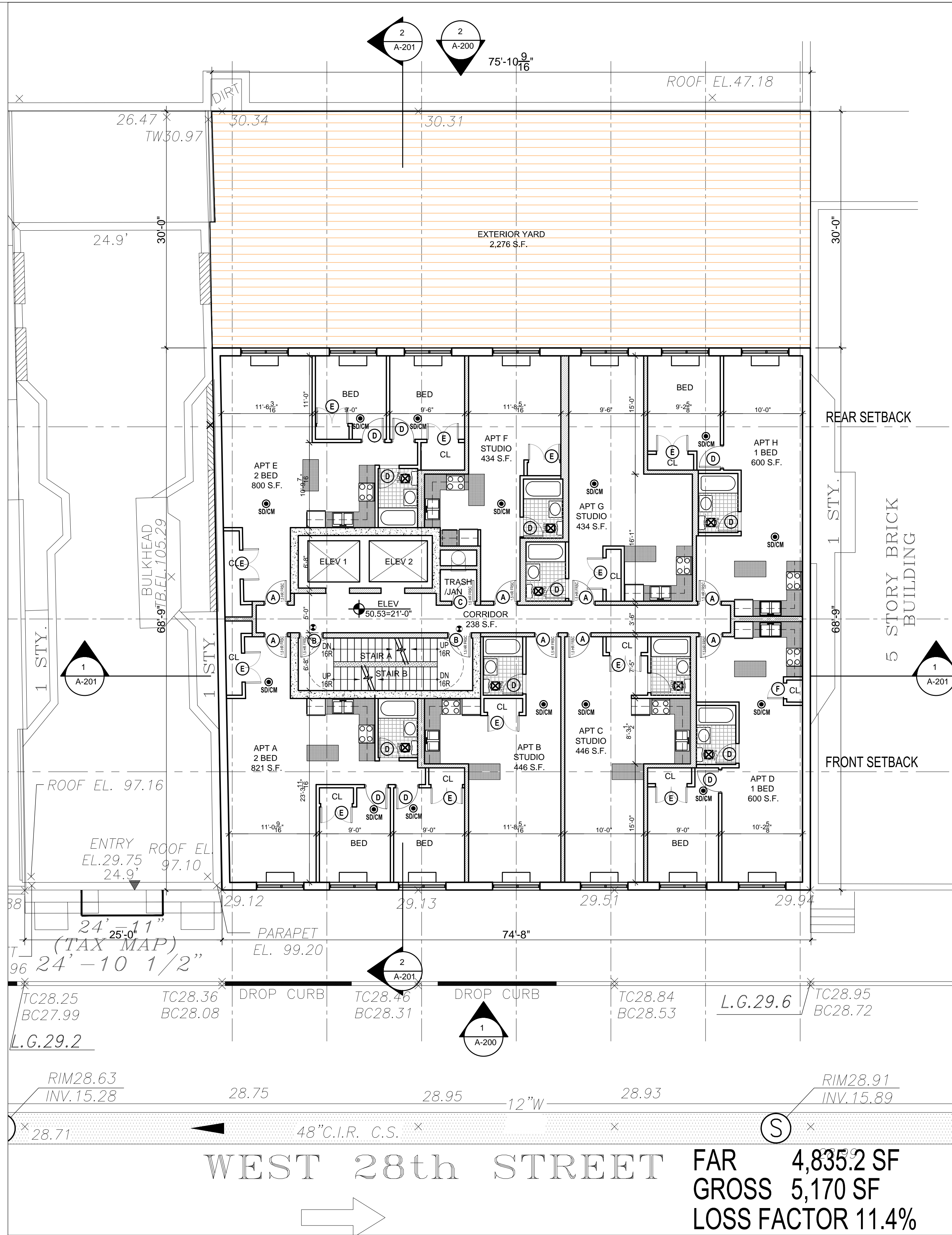
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**PROPOSED CELLAR AND FIRST
FLOOR PLANS**

DOB JOB NO.

PROJECT No. 6.28.12 W28 SHEET No.
DATE 06.06.2013 **A.100.00**
SCALE: AS NOTED 13 OF 24



1 2ND FLOOR PLAN
SCALE: 1/8" = 1'-0"



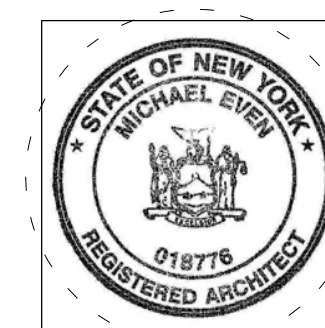
2 3RD FLOOR PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

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- DEMISING WALLS BETWEEN APARTMENTS SHALL BE OF 2HR RATED CONSTRUCTION

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STRUCTURAL

PROJECT

**WEST 28TH ST
RENTALS**

DRAWING TITLE

**PROPOSED SECOND AND THIRD
FLOOR PLANS**

DOB JOB NO.

PROJECT No. 6.28.12 W28

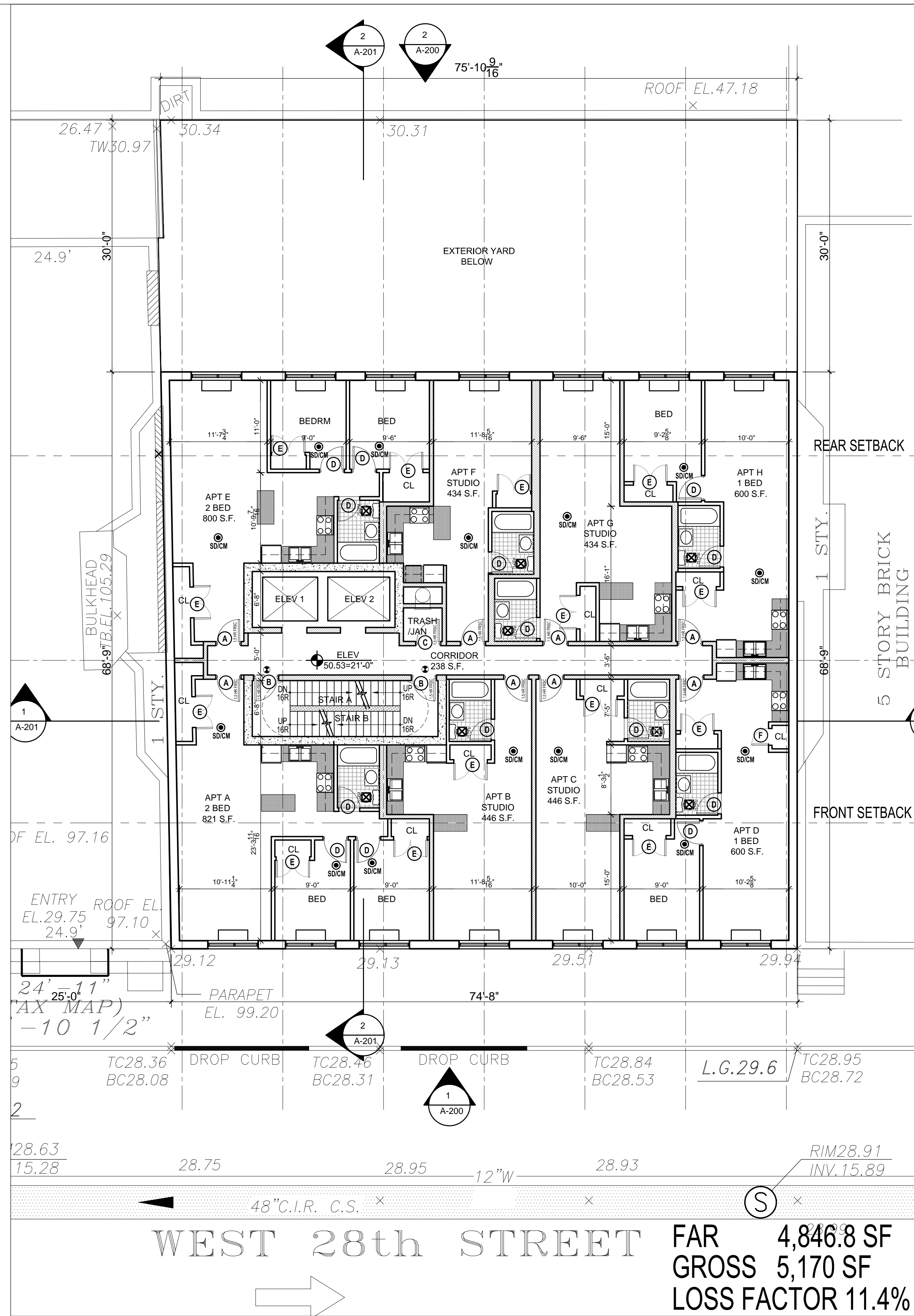
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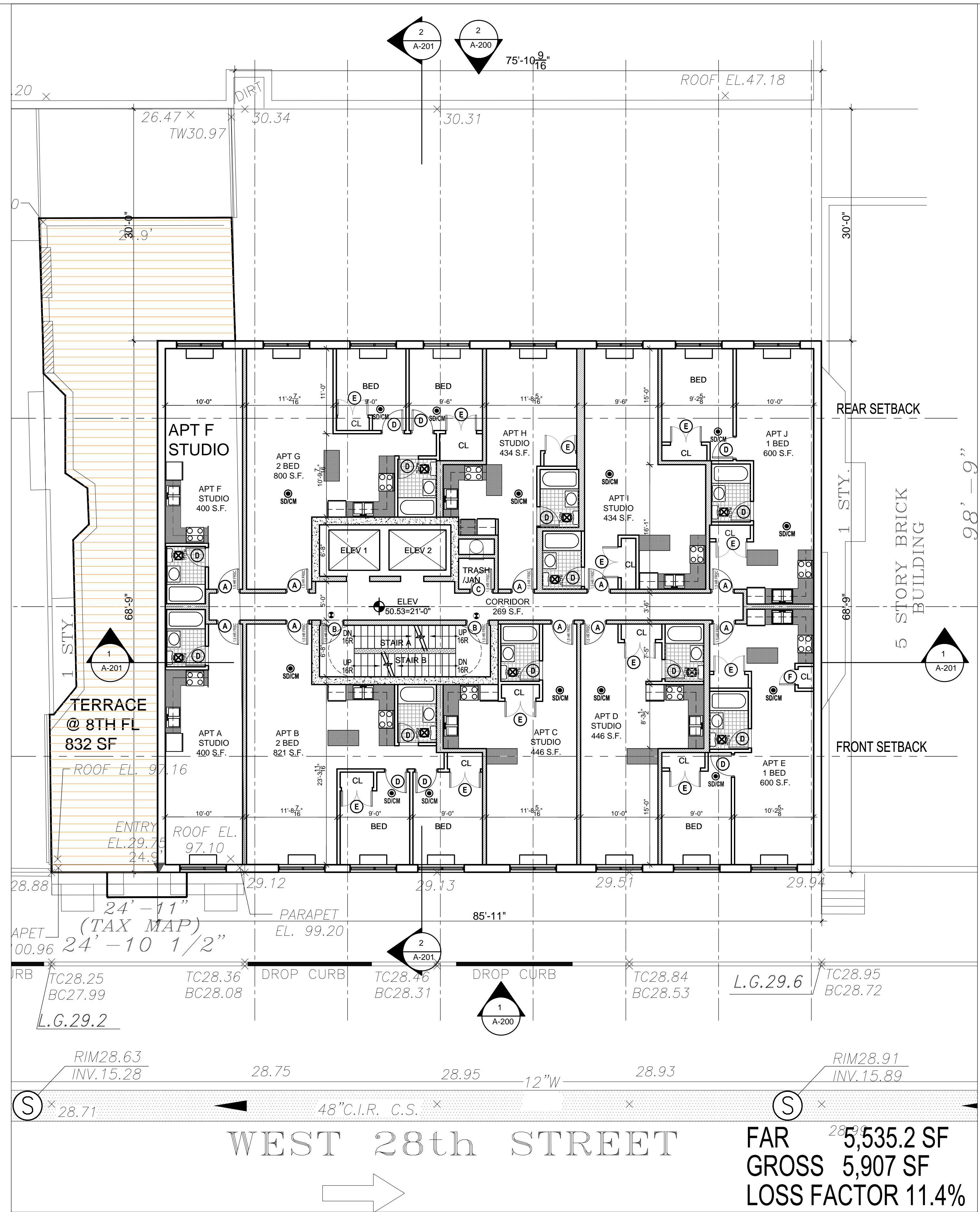
SHEET No.

A.101.00

14 OF 24



1 4TH THRU 8TH FLOOR PLANS
SCALE: 1/8" = 1'-0"



2 9TH THRU 11TH FLOOR PLANS
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

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- DEMISING WALLS BETWEEN APARTMENTS SHALL BE OF 2HR RATED CONSTRUCTION

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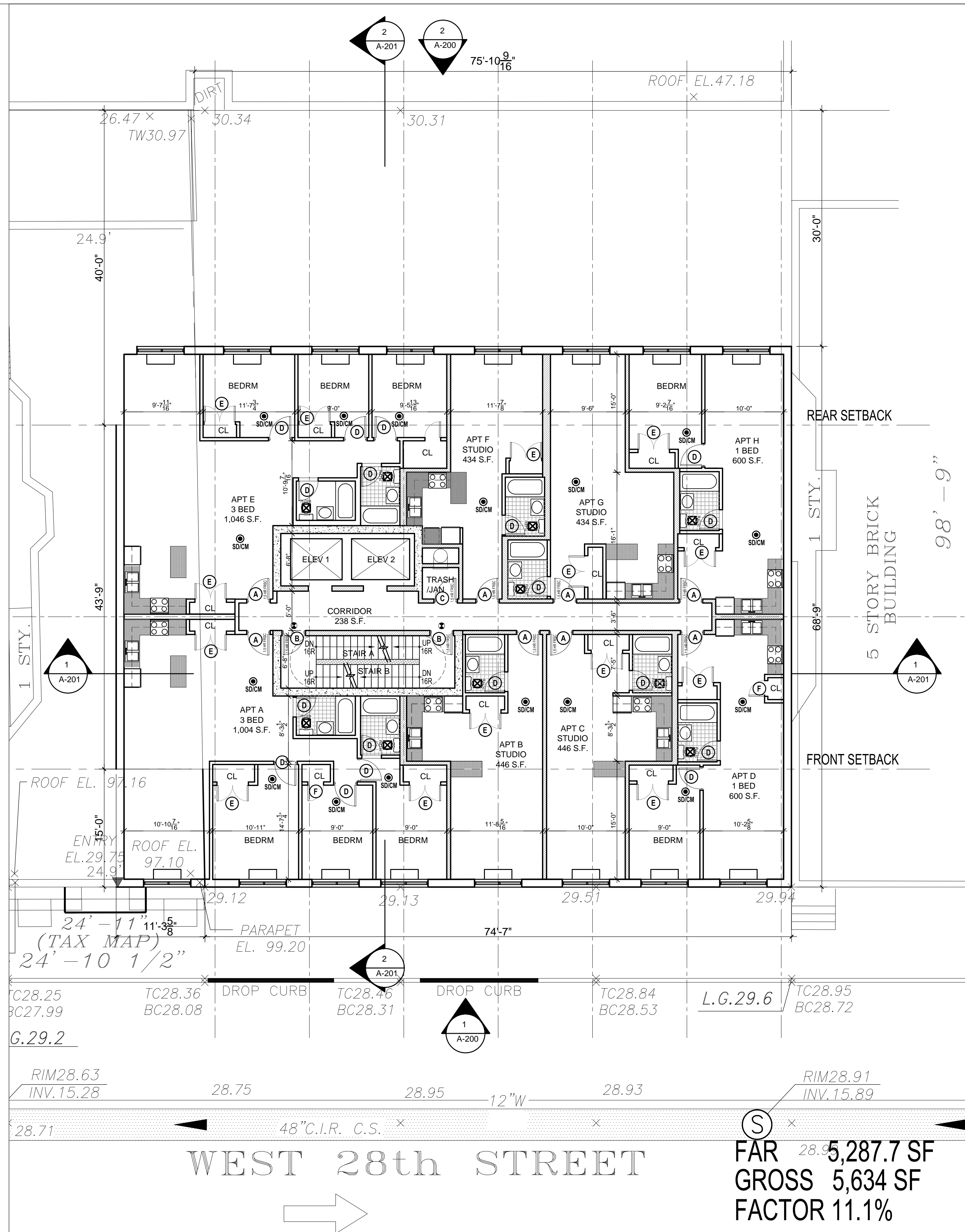
STRUCTURAL

PROJECT
**WEST 28TH ST
RENTALS**

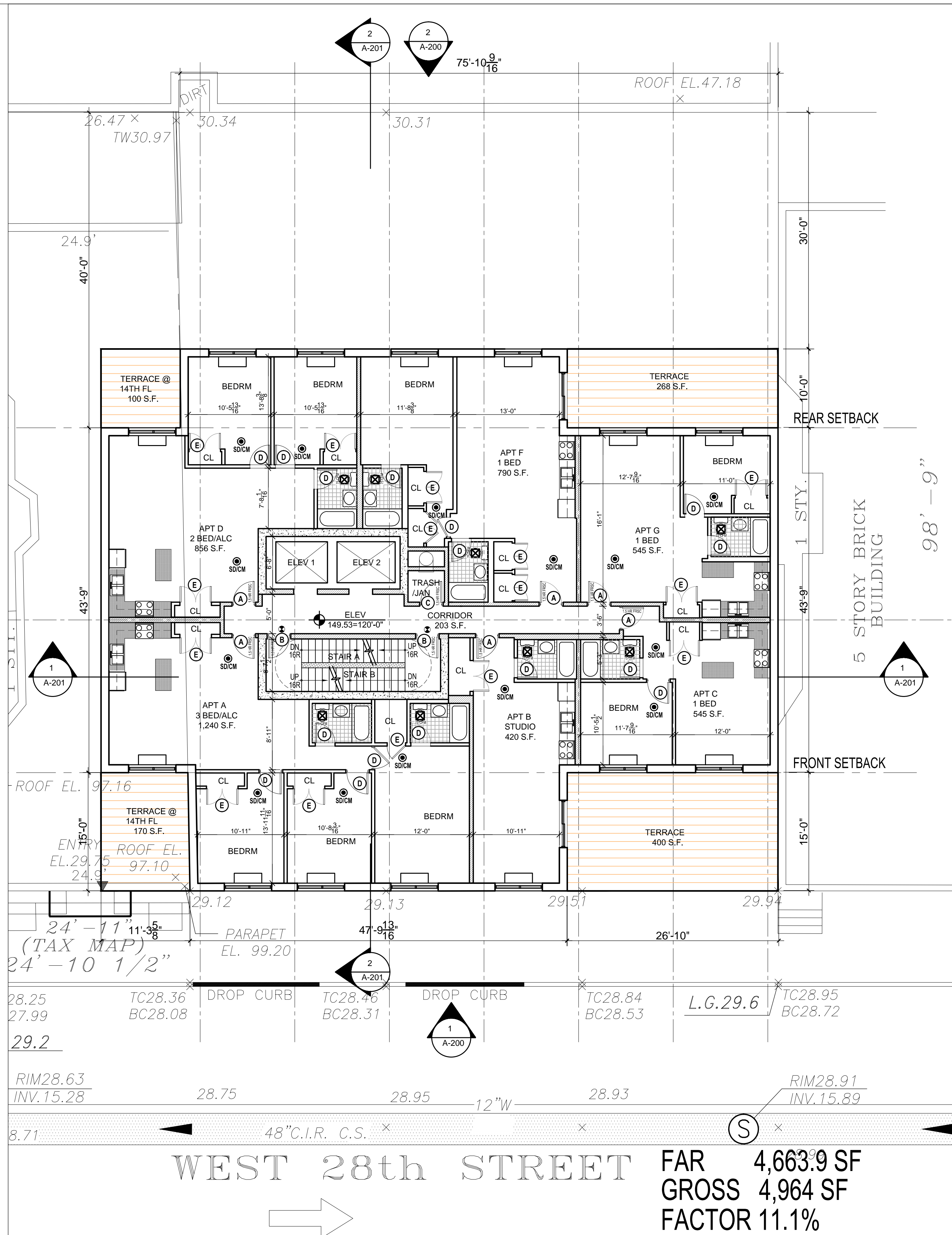
DRAWING TITLE
PROPOSED 4TH THRU 8TH & 9TH
THRU 11TH FLOOR PLANS

DOB JOB NO.

PROJECT No. 6.28.12 W28 SHEET No.
DATE: 06.06.2013 **A.102.00**
SCALE: AS NOTED 15 OF 24



1 12TH AND 13TH FLOOR PLANS
SCALE: 1/8" = 1'-0"



2 14TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

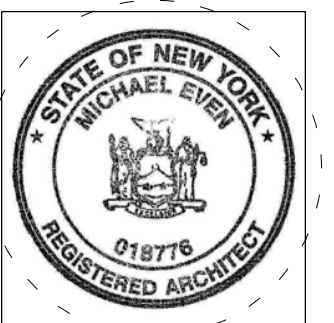
CONSTRUCTION NOTES

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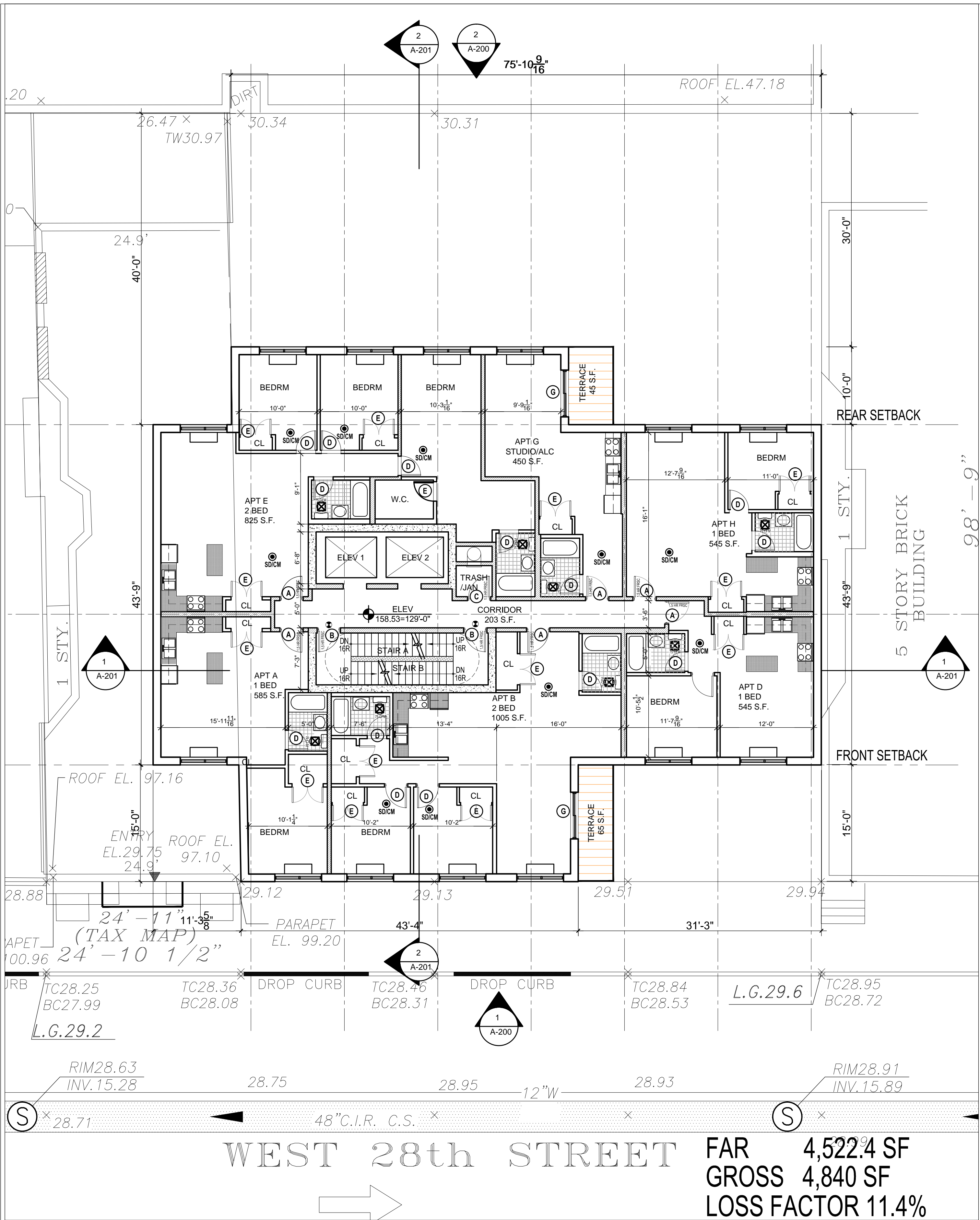
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PROJECT
**WEST 28TH ST
RENTALS**

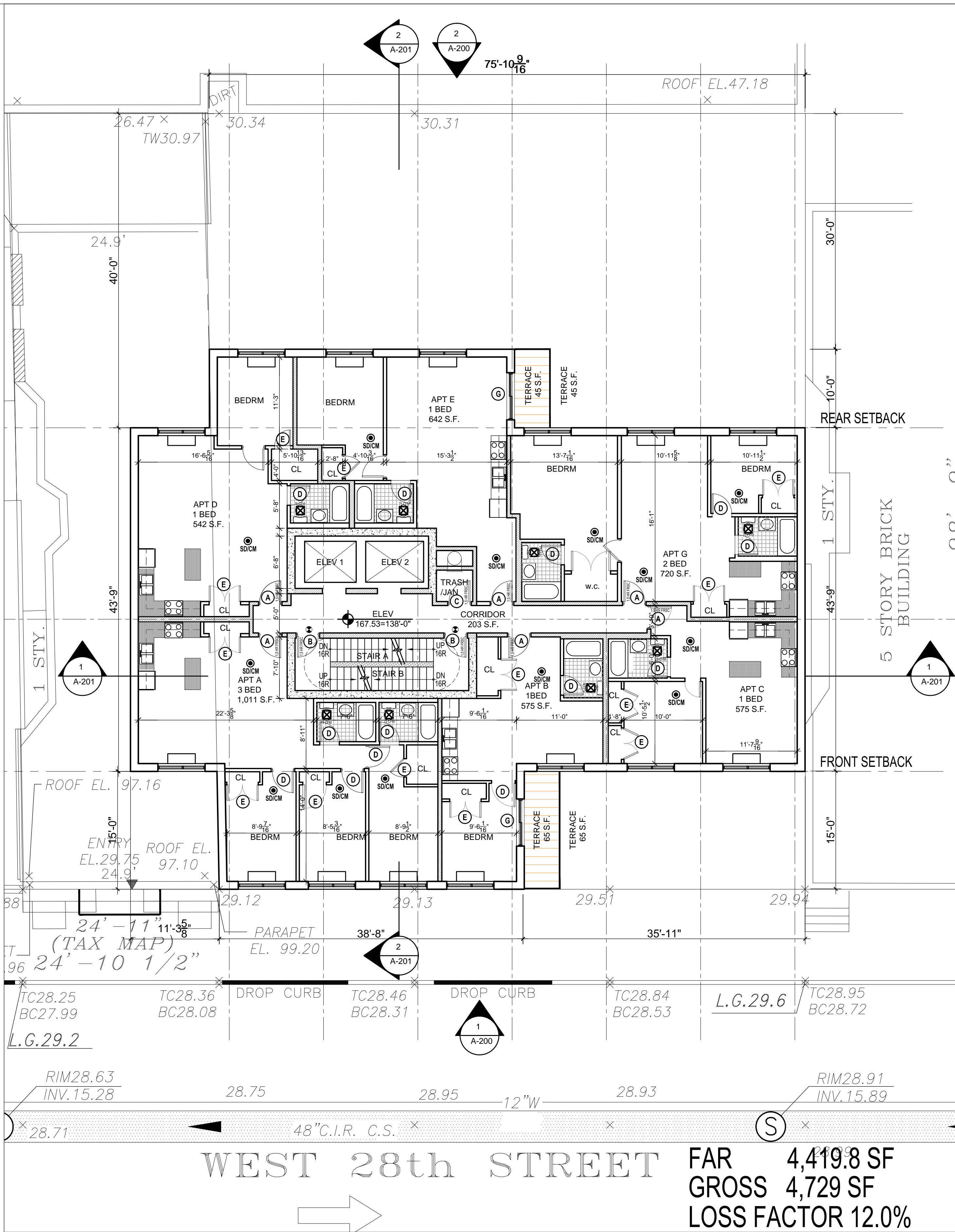
DRAWING TITLE
**PROPOSED 12TH AND 13TH & 14TH
FLOOR PLANS**

DOB JOB NO.

PROJECT No. 6.28.12 W28 SHEET No.
DATE: 06.06.2013 **A.103.00**
SCALE: AS NOTED 16 OF 24



1 15TH FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 16TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

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STRUCTURAL

PROJECT

**WEST 28TH ST
RENTALS**

DRAWING TITLE

PROPOSED 15TH AND 16TH
FLOOR PLANS

DOB JOB NO.

PROJECT No. 6.28.12 W28

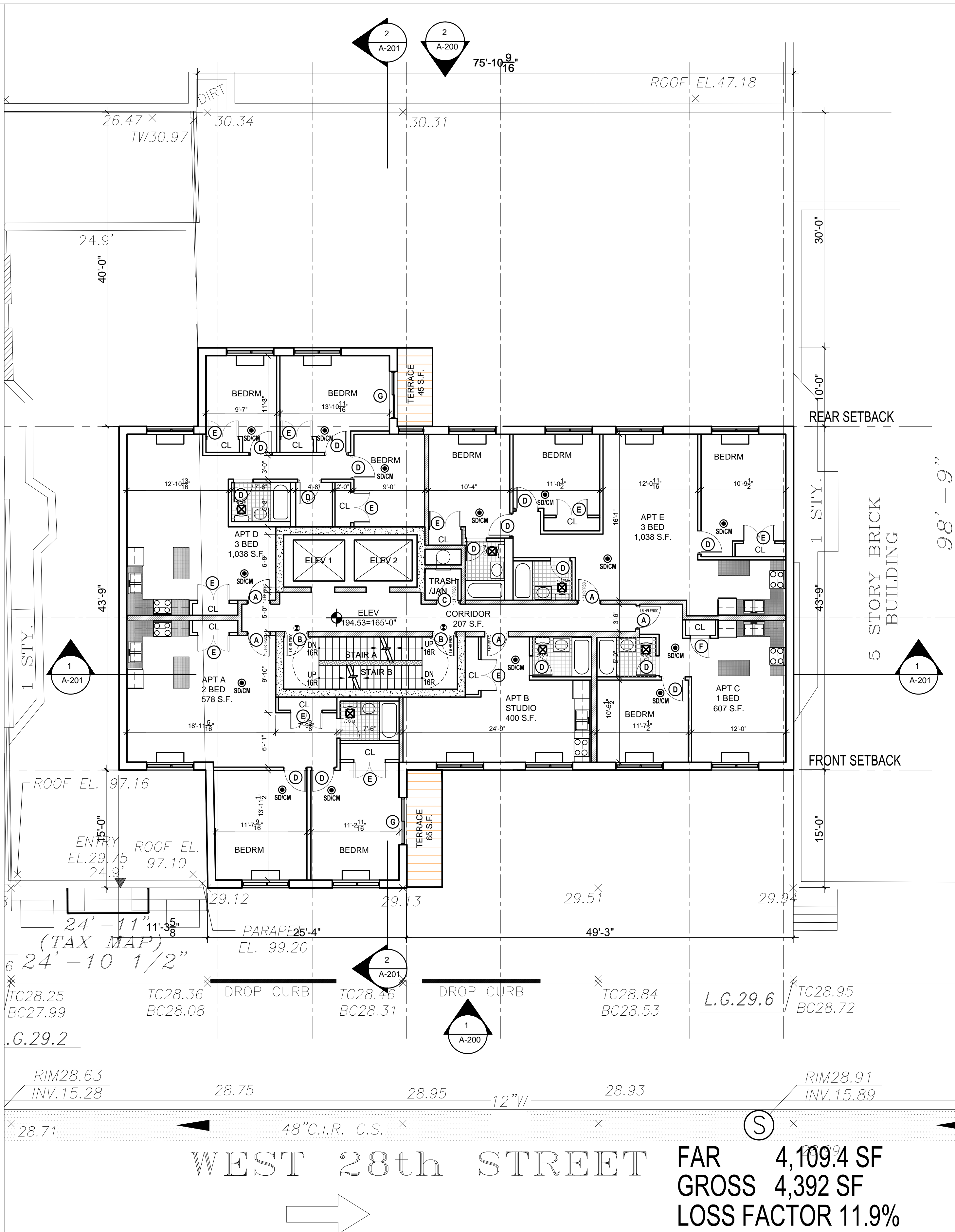
DATE 06.06.2013

SCALE: AS NOTED

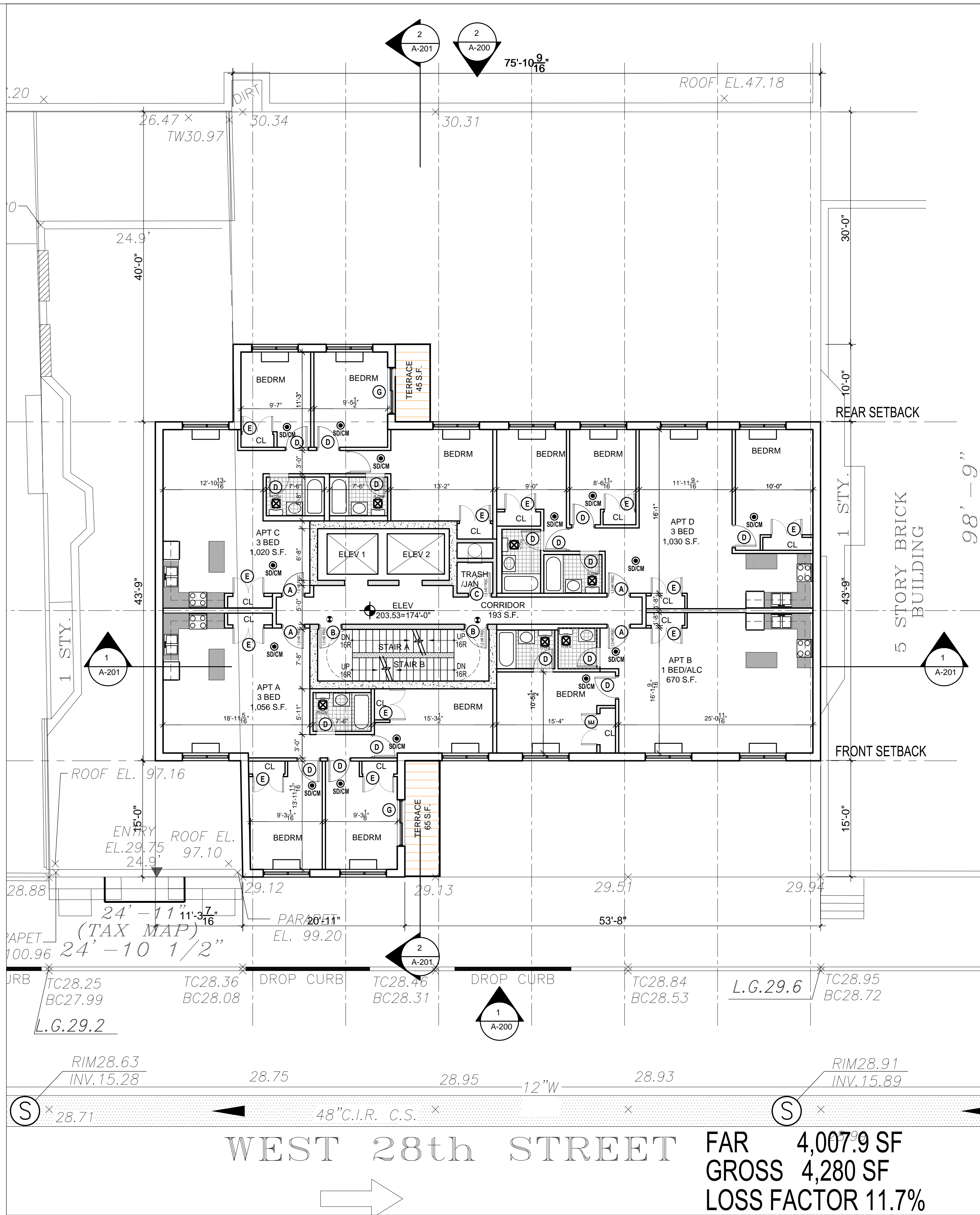
SHEET No.

A.104.00

17 OF 24



1 19TH FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 20TH FLOOR PLAN
SCALE: 1/8" = 1'-0"

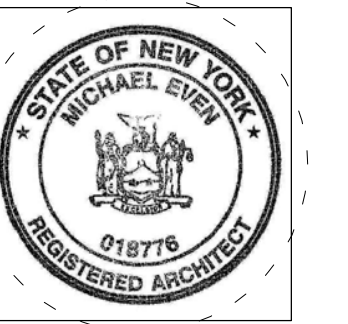
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MICHAEL EVEN ARCHITECT
31 WEST 27TH STREET
9TH FLOOR
NEW YORK, NY 10001
M.E.P.

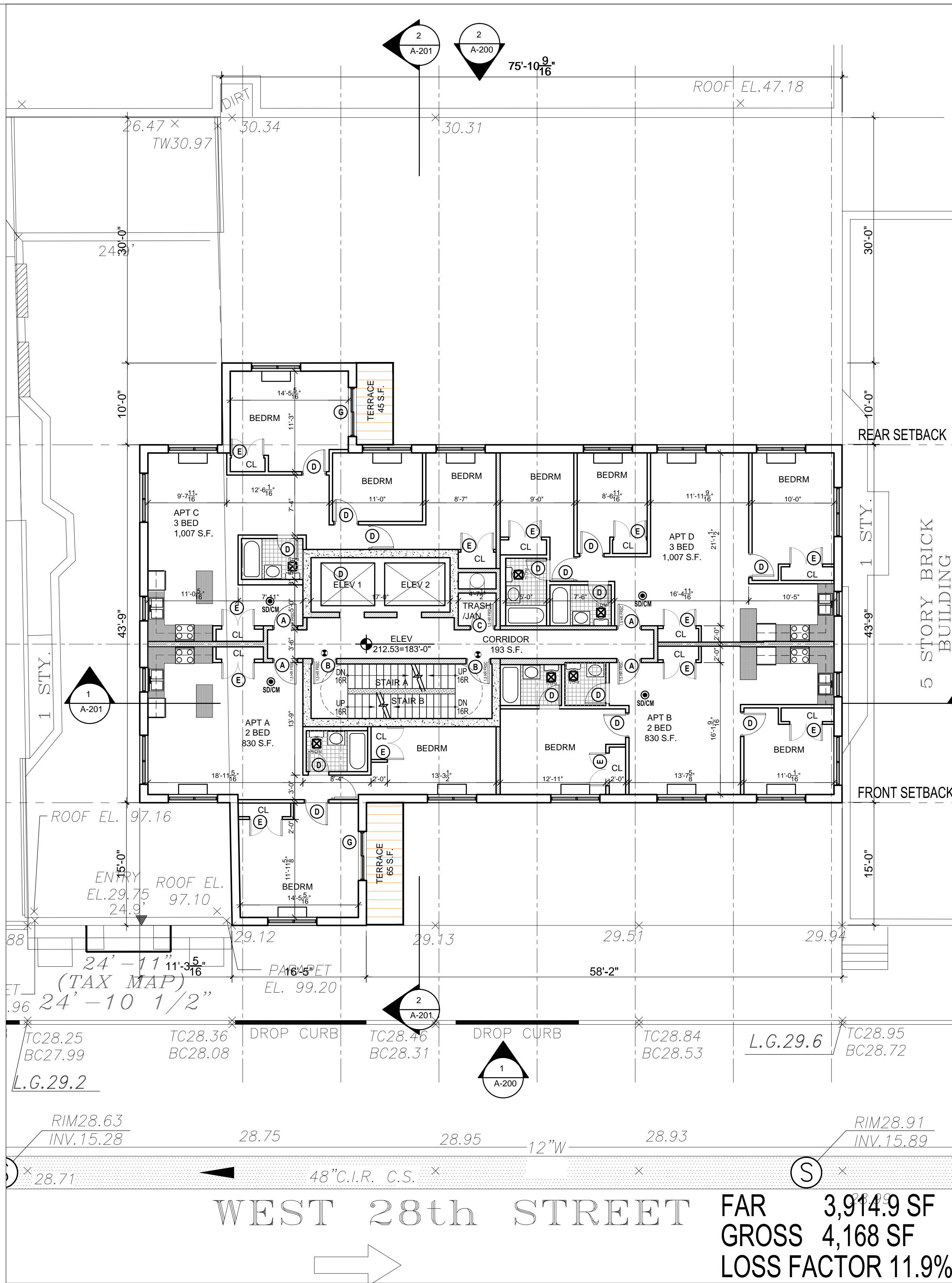
STRUCTURAL

PROJECT
**WEST 28TH ST
RENTALS**

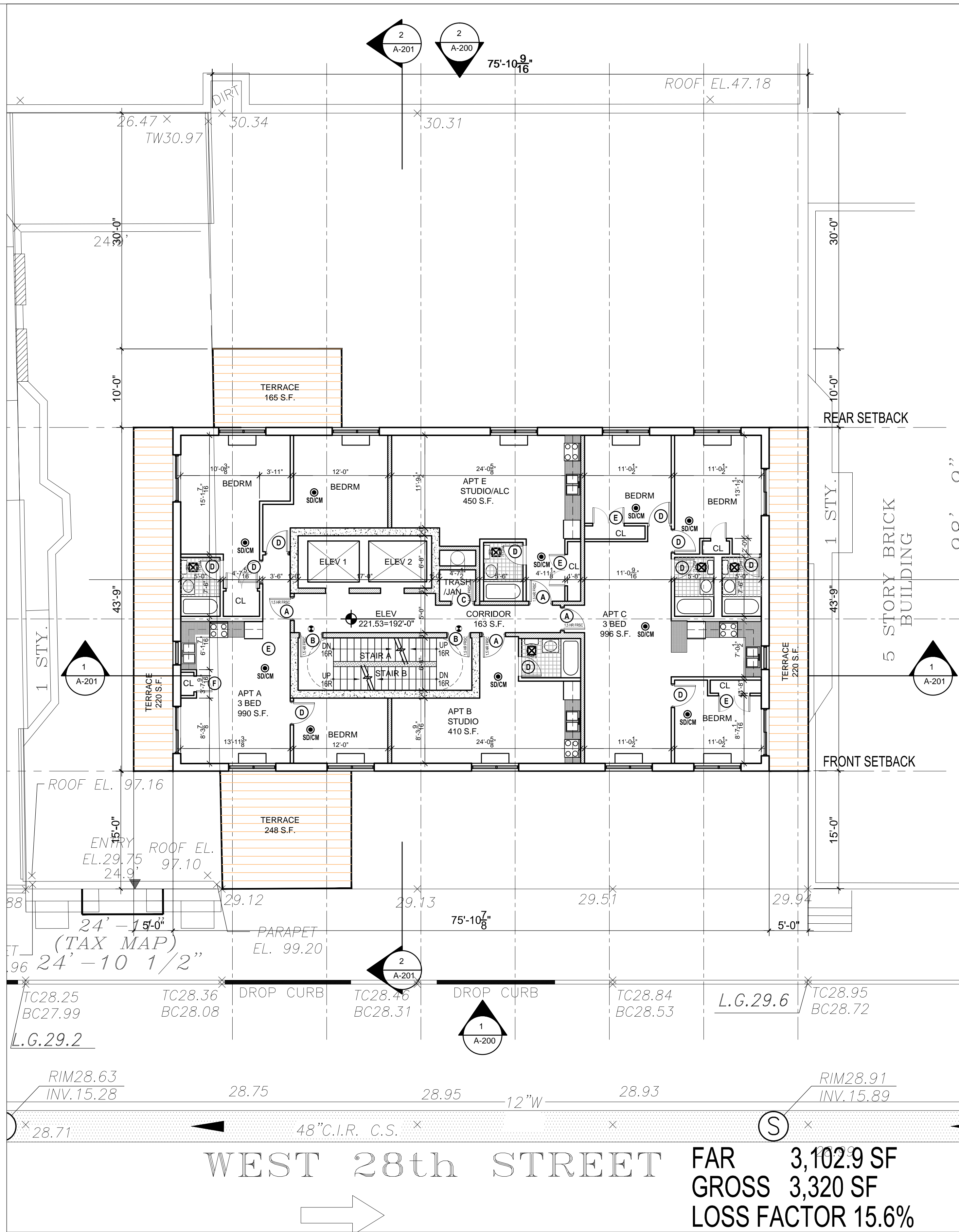
DRAWING TITLE
**PROPOSED 19TH AND 20TH
FLOOR PLANS**

DOB JOB NO.

PROJECT No. 6.28.12 W28 SHEET No.
DATE: 06.06.2013 **A.106.00**
SCALE: AS NOTED 19 OF 24



1 21ST FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 22ND FLOOR PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

- ALL PUBLIC CORRIDORS TO BE ENCLOSED IN 2HR RATED CONSTRUCTION
- ALL STAIRS TO BE ENCLOSED IN 2HR RATED CONSTRUCTION. DOORS SHALL BE OF 1.5 HR FPSC
- ALL DOORS FACING PUBLIC CORRIDORS SHALL BE OF 1.5 HR FPSC
- ALL EXTERIOR WALLS TO COMPLY WITH NYC BUILDING CODE AND NYC ENERGY CODE
- ELEVATOR AND CHUTE SHAFTS SHALL BE OF 2HR RATED CONSTRUCTION
- DEMISING WALLS BETWEEN DIFFERENT USE GROUPS SHALL BE OF 2HR RATED CONSTRUCTION
- DEMISING WALLS BETWEEN APARTMENTS SHALL BE OF 2HR RATED CONSTRUCTION

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AMERICAN DEVELOPMENT GROUP
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9TH FLOOR
NEW YORK, NY 10001
M.E.P.

STRUCTURAL

PROJECT

**WEST 28TH ST
RENTALS**

DRAWING TITLE

**PROPOSED FLOOR PLANS
21ST AND 22ND**

DOB JOB NO.

PROJECT No. 6.28.12 W28

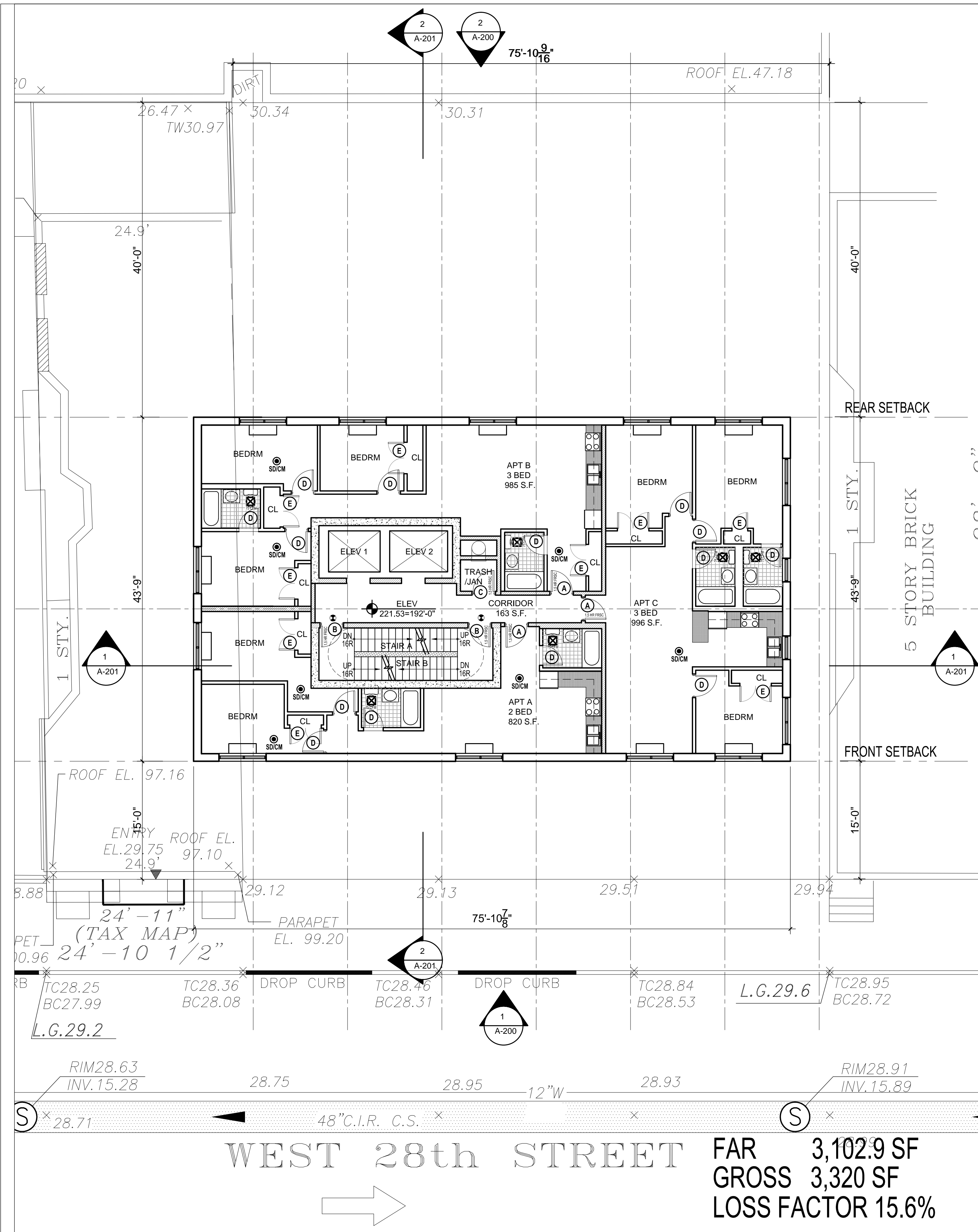
DATE: 06.06.2013

SCALE: AS NOTED

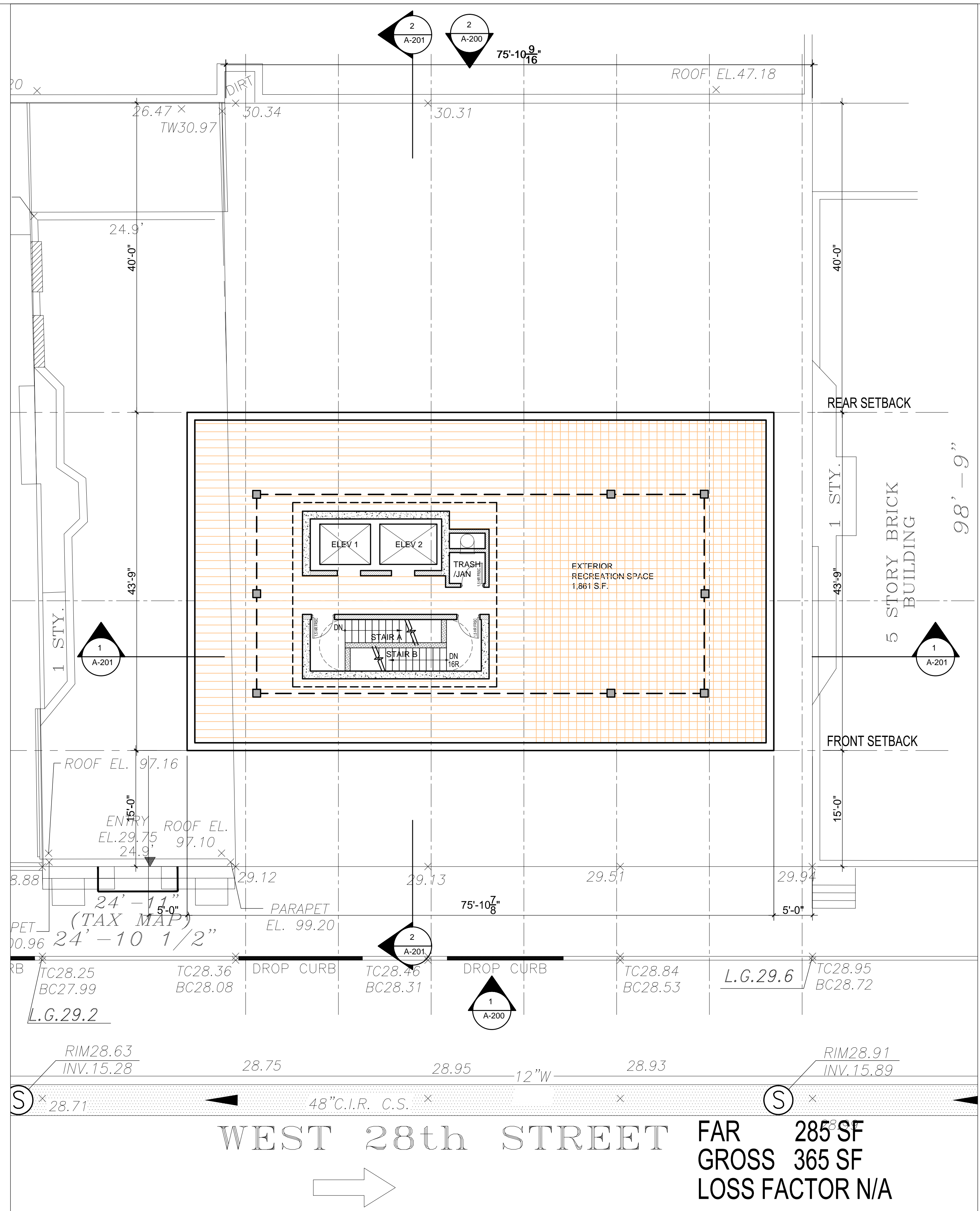
SHEET No.

A.107.00

20 OF 24



1 23RD FLOOR PLAN
SCALE: 1/8" = 1'-0"



2 ROOF FLOOR PLAN
SCALE: 1/8" = 1'-0"

CONSTRUCTION NOTES

- ALL PUBLIC CORRIDORS TO BE ENCLOSED IN 2HR RATED CONSTRUCTION
- ALL STAIRS TO BE ENCLOSED IN 2HR RATED CONSTRUCTION. DOORS SHALL BE OF 1.5 HR FPSC
- ALL DOORS FACING PUBLIC CORRIDORS SHALL BE OF 1.5 HR FPSC
- ALL EXTERIOR WALLS TO COMPLY WITH NYC BUILDING CODE AND NYC ENERGY CODE
- ELEVATOR AND CHUTE SHAFTS SHALL BE OF 2HR RATED CONSTRUCTION
- DEMISING WALLS BETWEEN DIFFERENT USE GROUPS SHALL BE OF 2HR RATED CONSTRUCTION
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M.E.P.

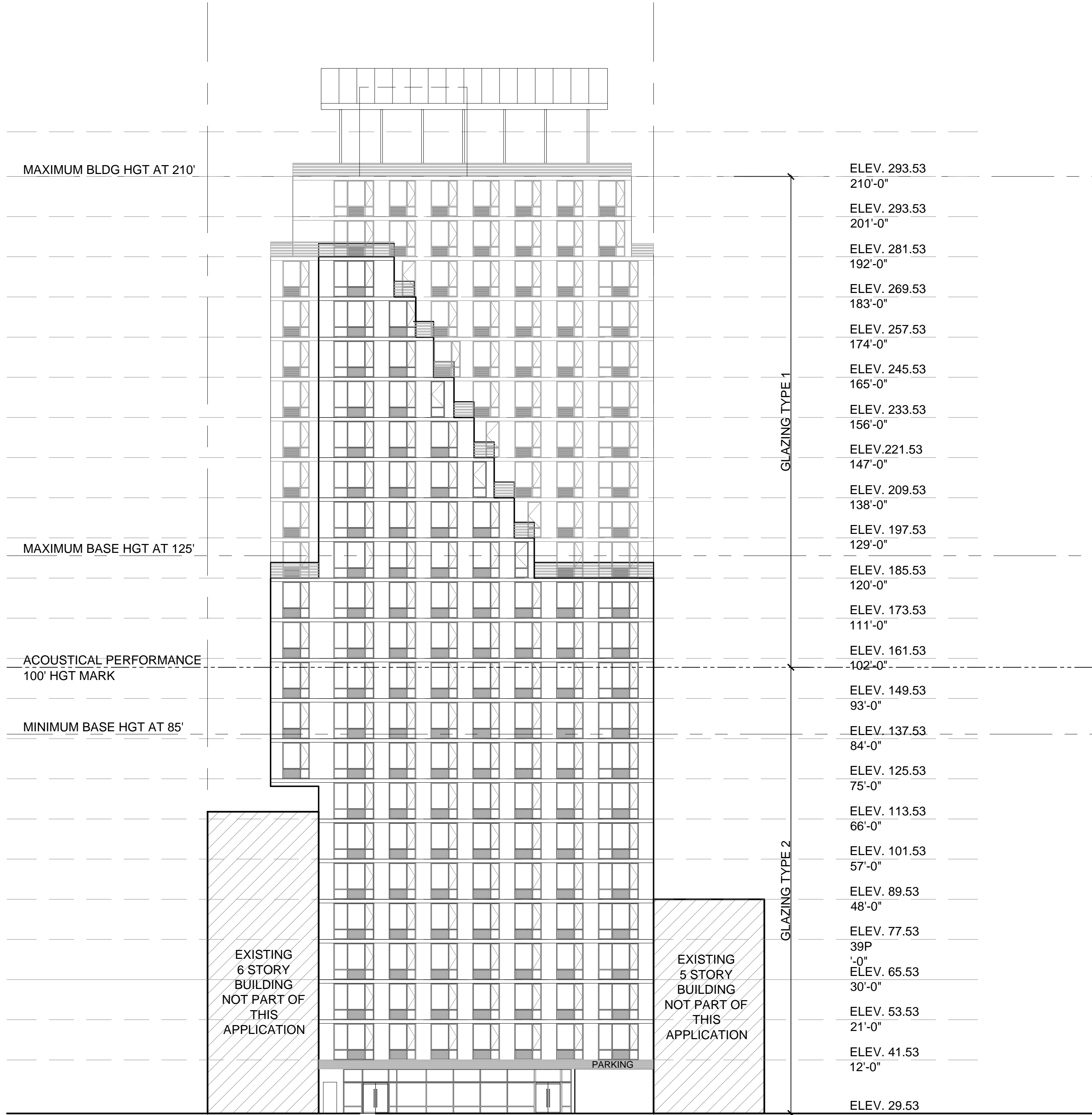
STRUCTURAL

PROJECT
**WEST 28TH ST
RENTALS**

DRAWING TITLE
**PROPOSED 23RD AND ROOF
FLOOR PLANS**

DOB JOB NO.

PROJECT No. 6.28.12 W28 SHEET No.
DATE: 06.06.2013 **A.108.00**
SCALE: AS NOTED 21 OF 24



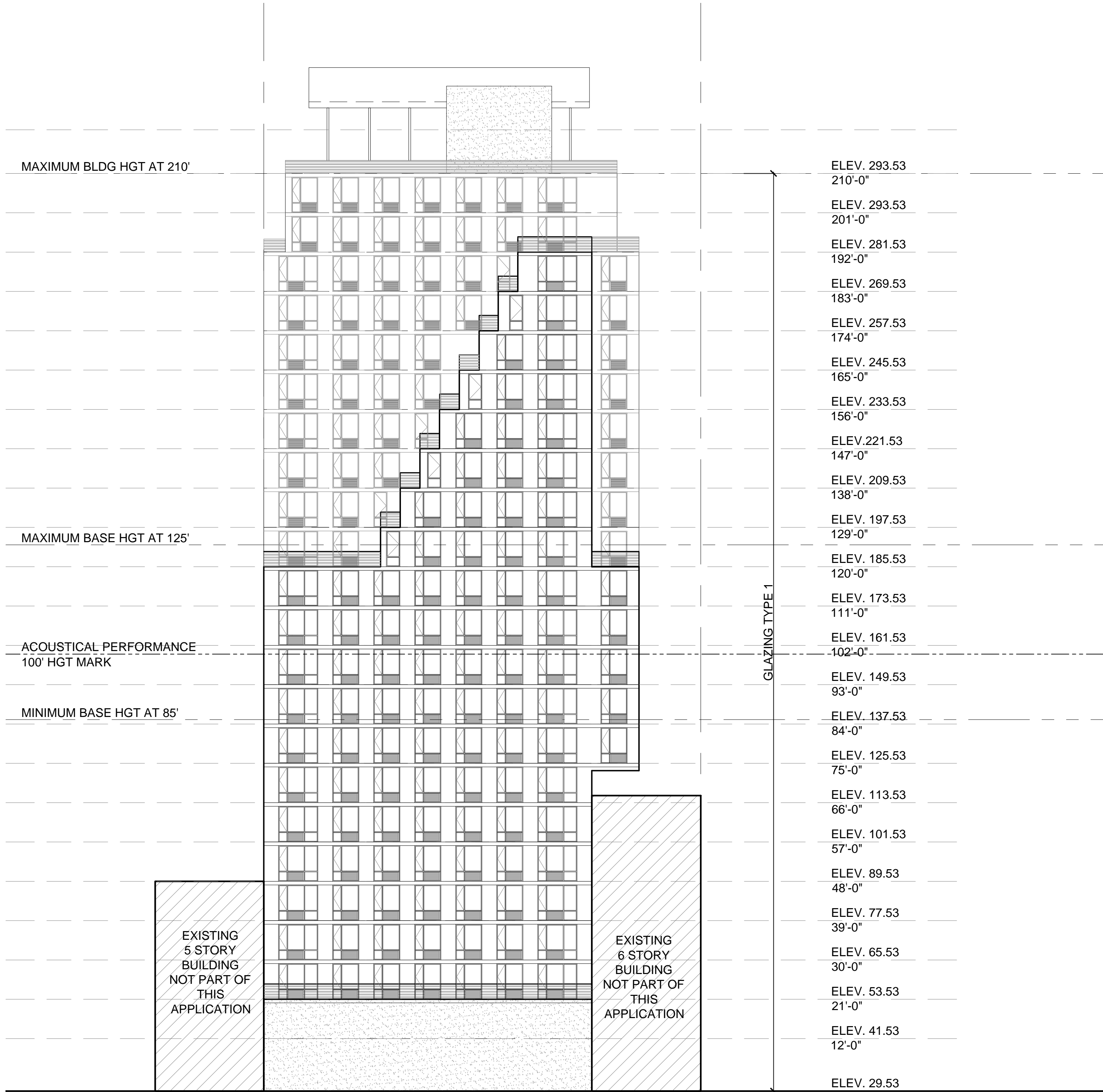
ELEV. 293.53
210'-0"
ELEV. 293.53
201'-0"
ELEV. 281.53
192'-0"
ELEV. 269.53
183'-0"
ELEV. 257.53
174'-0"
ELEV. 245.53
165'-0"
ELEV. 233.53
156'-0"
ELEV. 221.53
147'-0"
ELEV. 209.53
138'-0"
ELEV. 197.53
129'-0"
ELEV. 185.53
120'-0"
ELEV. 173.53
111'-0"
ELEV. 161.53
102'-0"
ELEV. 149.53
93'-0"
ELEV. 137.53
84'-0"
ELEV. 125.53
75'-0"
ELEV. 113.53
66'-0"
ELEV. 101.53
57'-0"
ELEV. 89.53
48'-0"
ELEV. 77.53
39'-0"
ELEV. 65.53
30'-0"
ELEV. 53.53
21'-0"
ELEV. 41.53
12'-0"
ELEV. 29.53
0'-0"

GLAZING NOTES:
ALL GLAZING PROVIDED BY OLD CASTLE

TYPE 1 :: FRONT FACADE ABOVE 100':
NON-LAMINATED INSULATING GLASS, $\frac{1}{4}$ " OUTBOARD LITE, $\frac{1}{2}$ " AIR SPACE, $\frac{1}{4}$ " INBOARD LITE, STC VALUE OF 35, OITC VALUE OF 28

TYPE 2 :: FRONT FACADE BELOW 100':
LAMINATED INSULATING GLASS, $\frac{1}{4}$ " LAMINATED OUTBOARD LITE, $\frac{1}{2}$ " AIR SPACE, $\frac{1}{4}$ " INBOARD LITE, STC VALUE OF 39, OITC VALUE OF 32

1 FRONT ELEVATION
SCALE: 1/16" = 1'-0"



ELEV. 293.53
210'-0"
ELEV. 293.53
201'-0"
ELEV. 281.53
192'-0"
ELEV. 269.53
183'-0"
ELEV. 257.53
174'-0"
ELEV. 245.53
165'-0"
ELEV. 233.53
156'-0"
ELEV. 221.53
147'-0"
ELEV. 209.53
138'-0"
ELEV. 197.53
129'-0"
ELEV. 185.53
120'-0"
ELEV. 173.53
111'-0"
ELEV. 161.53
102'-0"
ELEV. 149.53
93'-0"
ELEV. 137.53
84'-0"
ELEV. 125.53
75'-0"
ELEV. 113.53
66'-0"
ELEV. 101.53
57'-0"
ELEV. 89.53
48'-0"
ELEV. 77.53
39'-0"
ELEV. 65.53
30'-0"
ELEV. 53.53
21'-0"
ELEV. 41.53
12'-0"
ELEV. 29.53
0'-0"

GLAZING NOTES:
ALL GLAZING PROVIDED BY OLD CASTLE

TYPE 1 :: REAR FACADE ABOVE 100':
NON-LAMINATED INSULATING GLASS, $\frac{1}{4}$ " OUTBOARD LITE, $\frac{1}{2}$ " AIR SPACE, $\frac{1}{4}$ " INBOARD LITE, STC VALUE OF 35, OITC VALUE OF 28

2 REAR ELEVATION
SCALE: 1/16" = 1'-0"

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M.E.P.

STRUCTURAL

PROJECT

**WEST 28TH ST
RENTALS**

DRAWING TITLE

FRONT AND REAR ELEVATIONS

DOB JOB NO.

PROJECT No. 6.28.12 W28

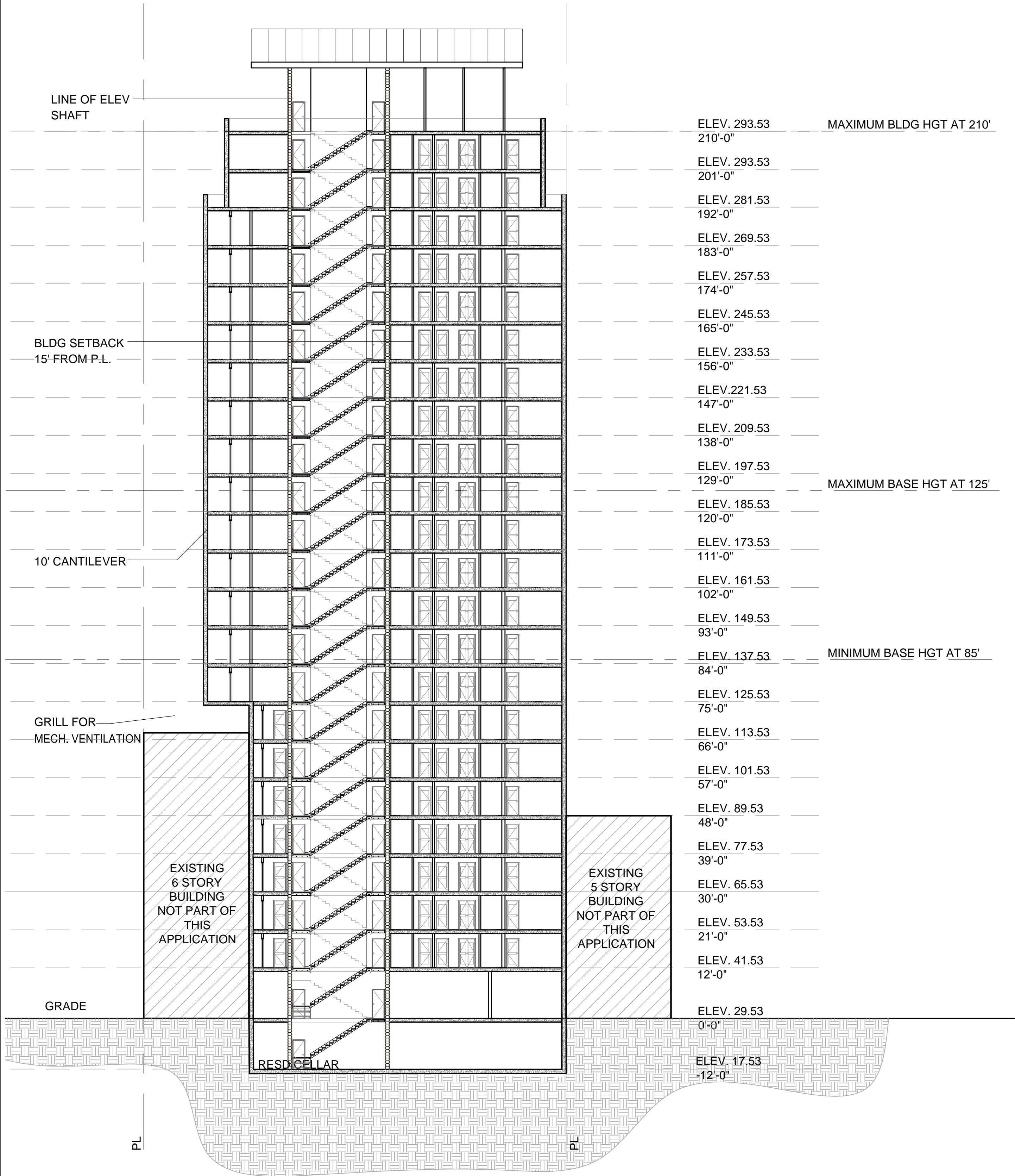
DATE: 06.06.2013

SCALE: AS NOTED

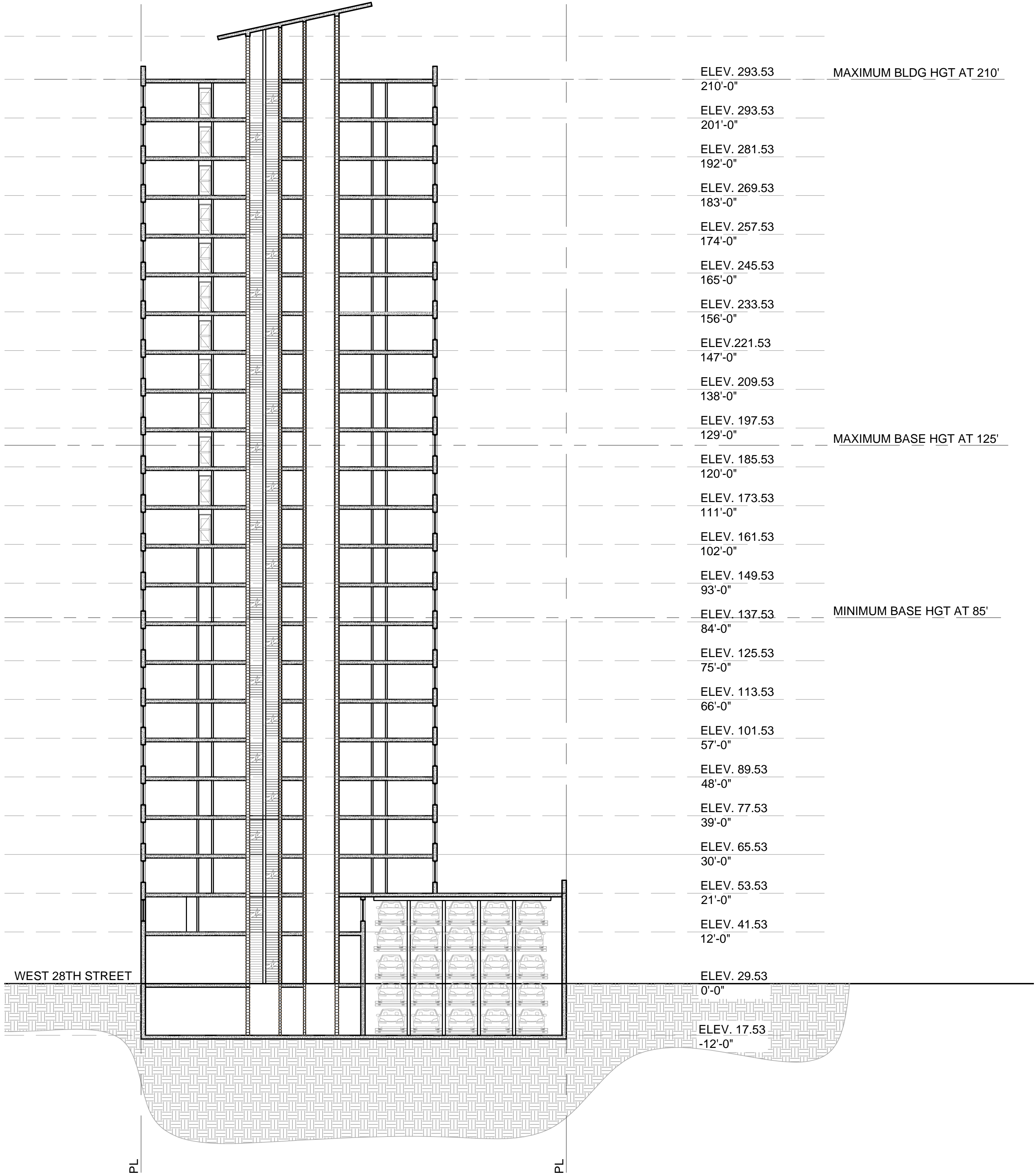
SHEET No.

A.200.00

22 OF 24



1 LONGITUDINAL SECTION
SCALE: 1/16" = 1'-0"



2 CROSS SECTION
SCALE: 1/16" = 1'-0"

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NEW YORK, NY 10001

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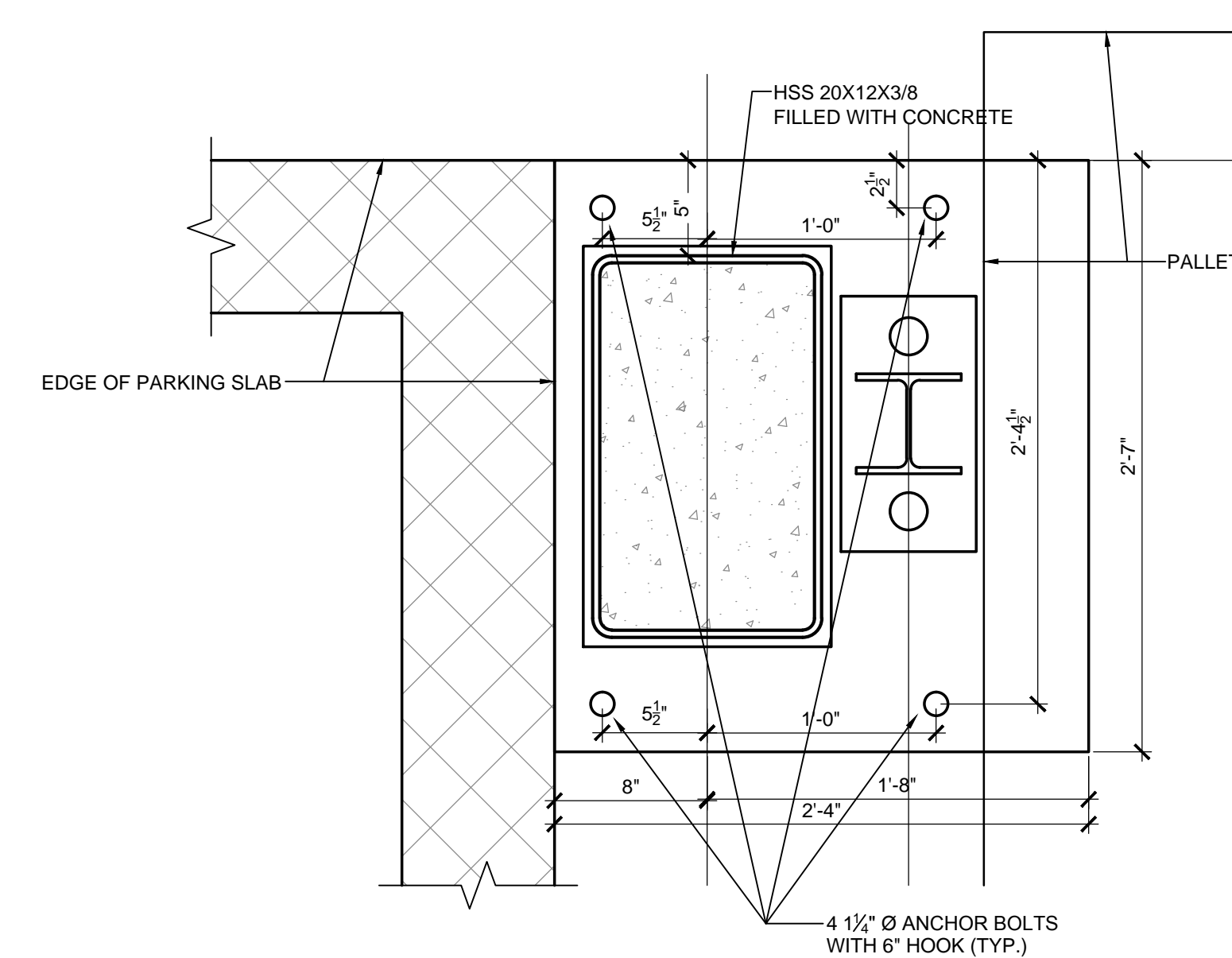
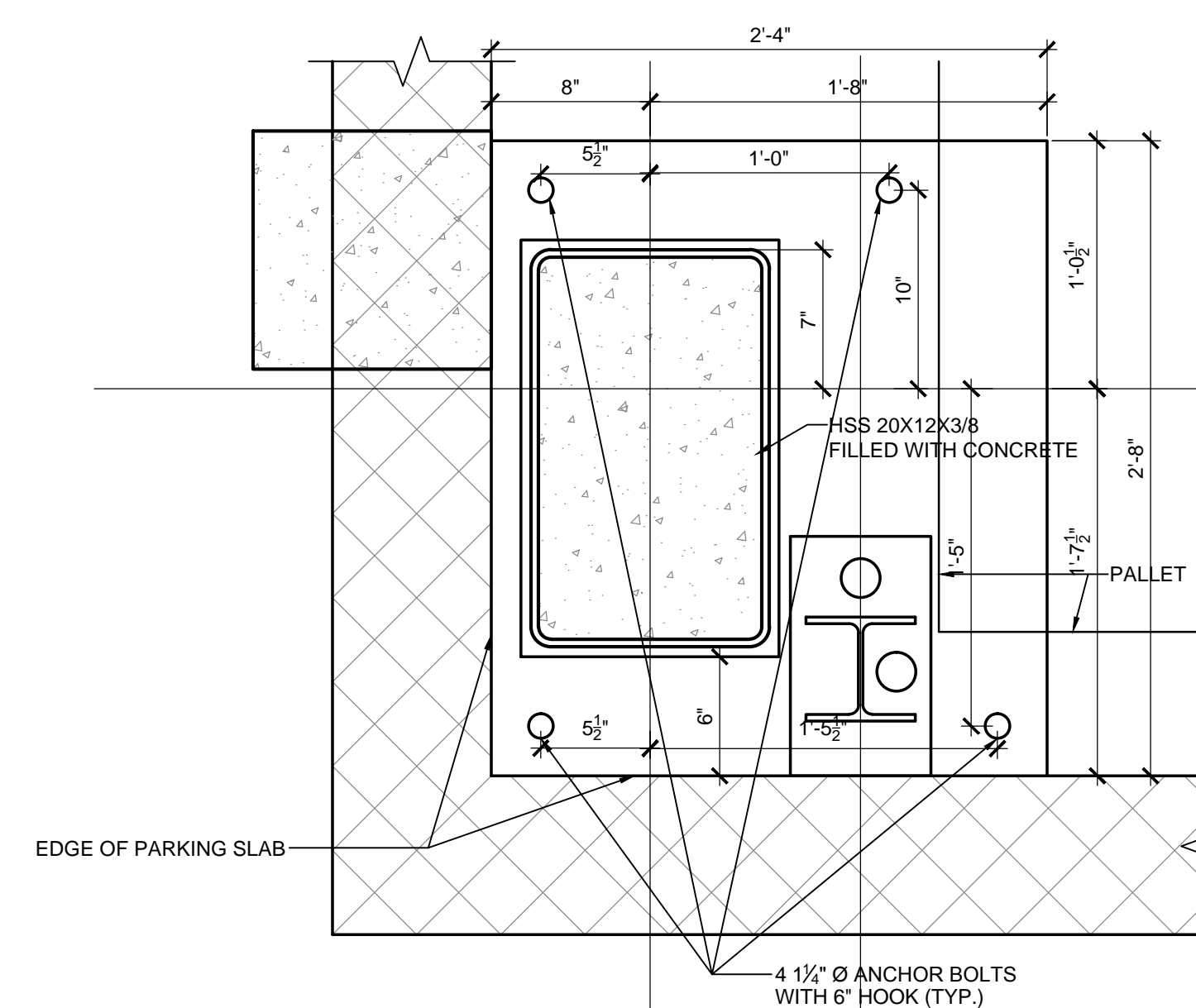
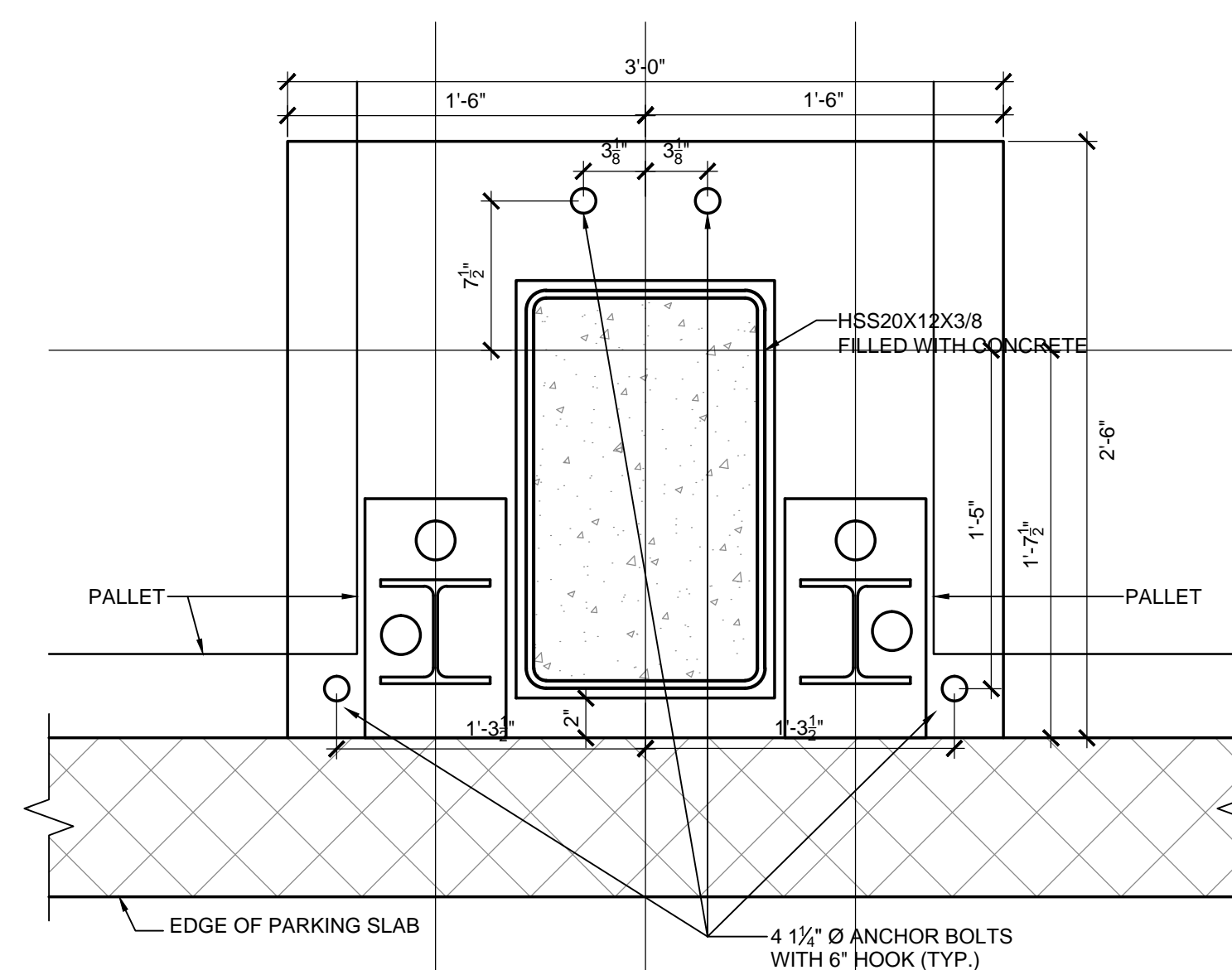
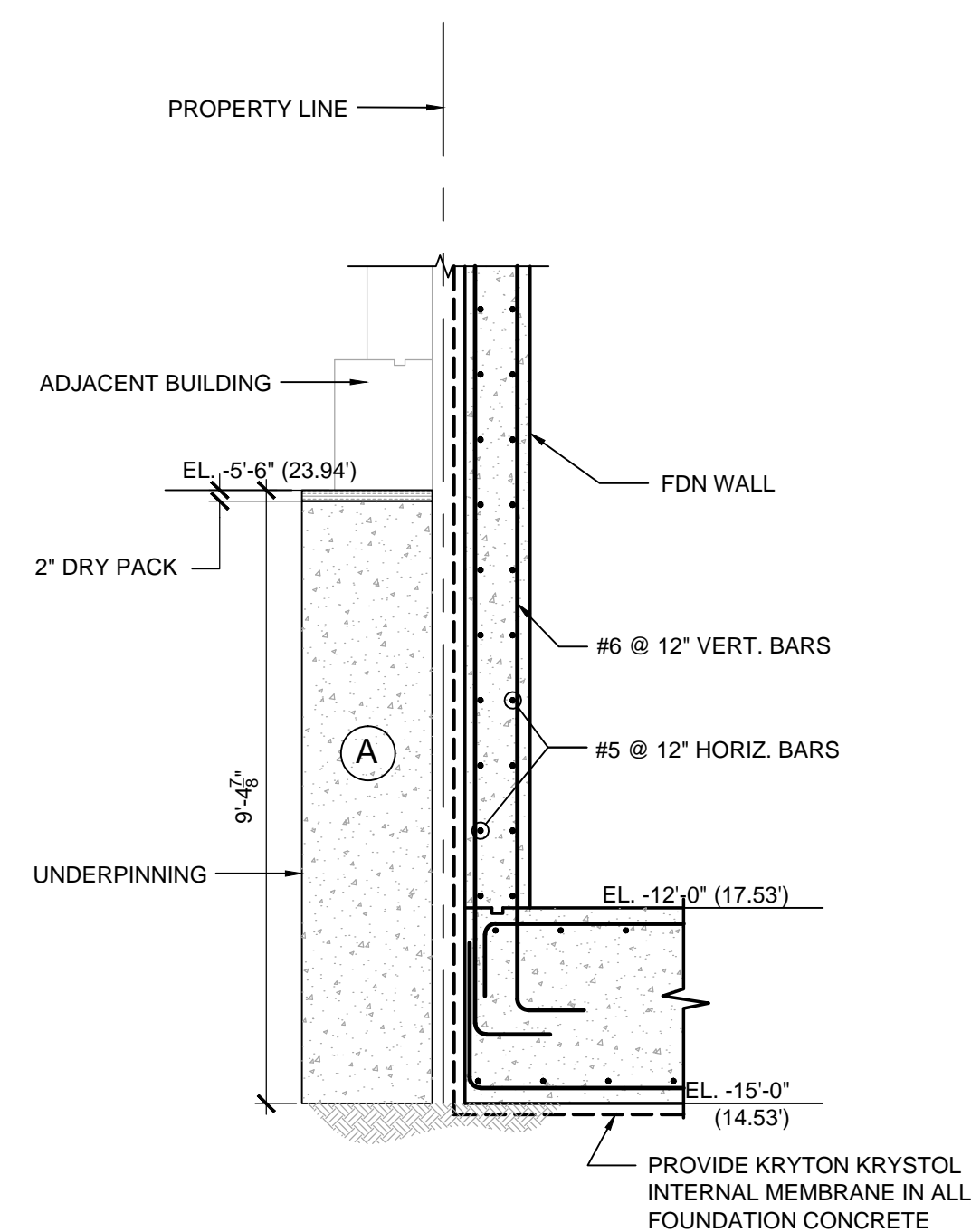
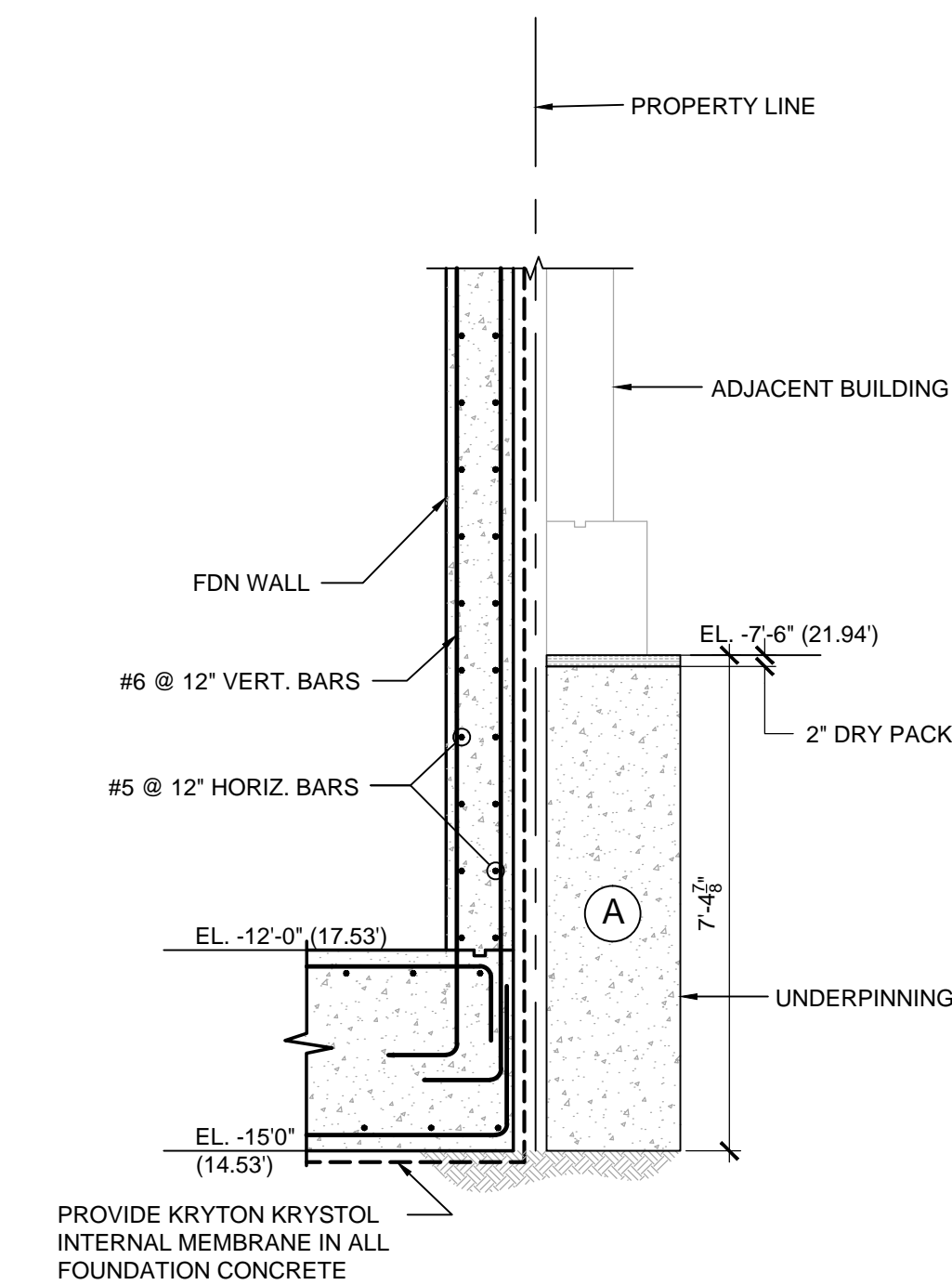
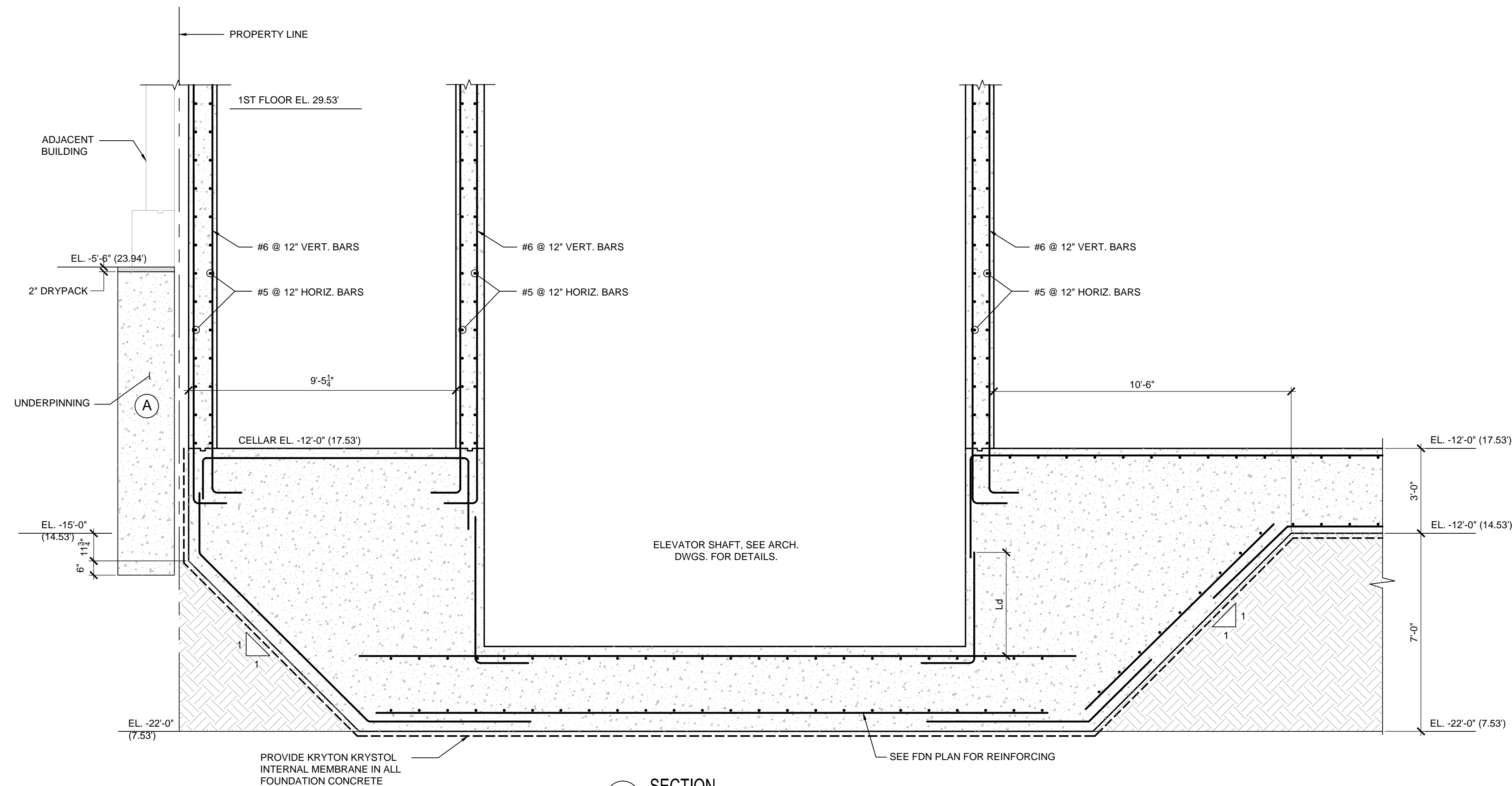
STRUCTURAL

PROJECT
**WEST 28TH ST
RENTALS**

DRAWING TITLE
LONGITUDINAL AND CROSS
SECTION

DOB JOB NO.

PROJECT No. 6.28.12 W28 SHEET No.
DATE: 06.06.2013 **A.201.00**
SCALE: AS NOTED 24 OF 24



Warning: It is a violation of the NYS Education Law Article 145 for any person, unless he is acting under the direction of a licensed Professional Engineer, to alter this in any way.

SOLOMON ROSENZWEIG, PE P.C.

Tel. (718) 375-9557
Fax (718) 228-5587

465 E. 16TH STREET
Brooklyn, NY 11230

CONSULTANTS

CLIENT

OWNER

DOB BSCAN STICKER:

DOB STAMP:

REVISIONS

5	2013-06-06	ISSUE FOR OER APPROVAL
4	2013-01-30	ISSUE FOR TA APPROVAL
3	2013-01-17	FOR OER APPROVAL
2	2013-01-03	ZONING APPROVAL
1	2012-12-05	ZONING APPROVAL
NO.	DATE	DESCRIPTION

PROJECT

217 WEST 28TH STREET
NEW YORK

DRAWING TITLE:

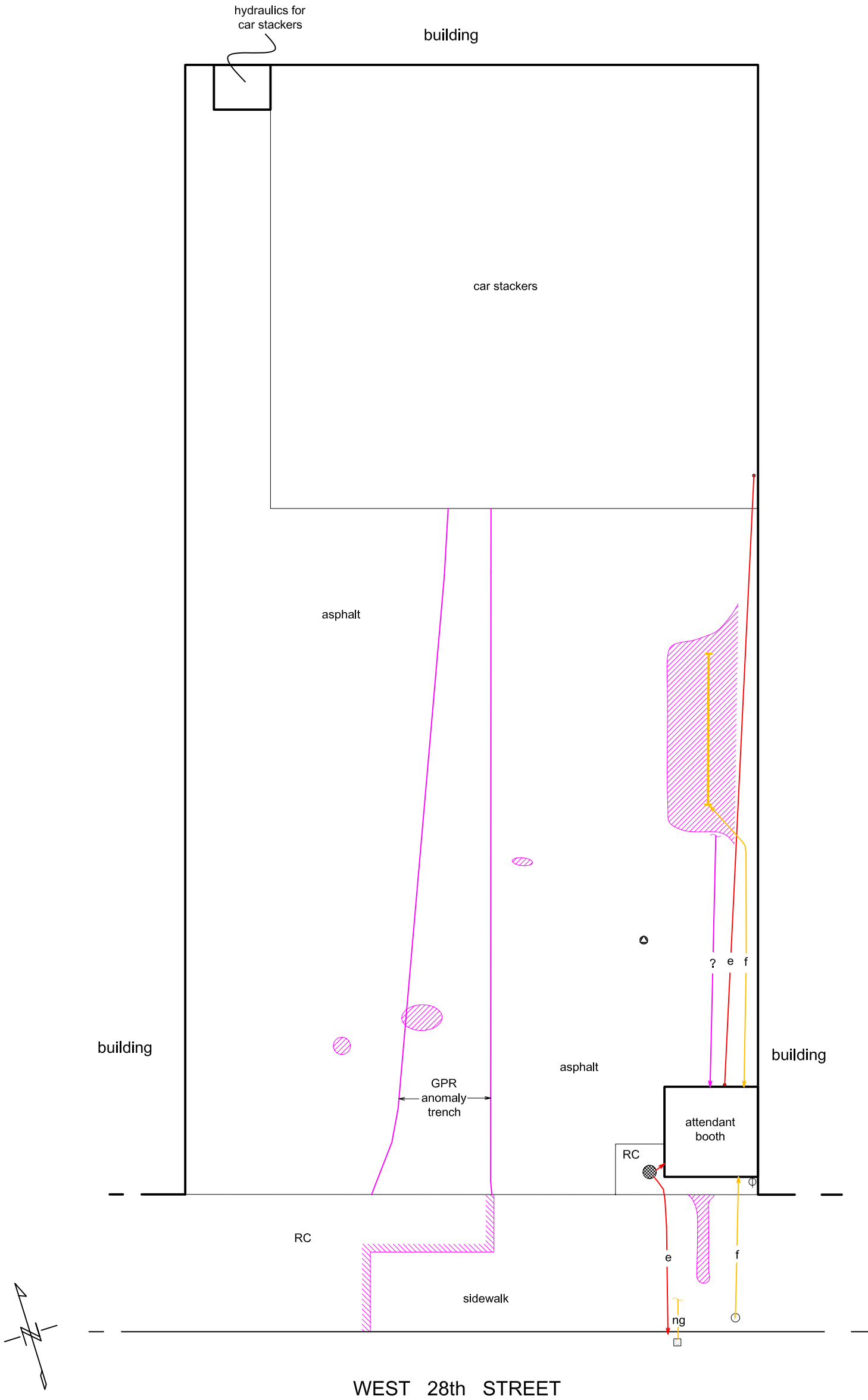
EXCAVATION SECTION

SEAL & SIGNATURE

DATE:	11-30-2012
PROJECT NO.:	2158
DWG BY:	JPG
CHK BY:	S.M.R.
DWG NO.:	

SOE-013.00

APPENDIX C
GEOPHYSICAL REPORT



10 5 0 5 10 ft
Scale: One inch equals approximately ten feet

LEGEND

- | | | |
|----|-------------------|------------------------|
| e | electric line | UST axis |
| ng | natural gas line | electrical conduit |
| f | fill line | manhole cover |
| ? | suspected utility | gas valve |
| ⊙ | fill port | RC |
| ⊕ | utility pole | reinforced concrete |
| | | metal-detector anomaly |



225 N. Route 303, Suite 102
Congers, NY. 10920
(845)268-1800
(845)268-1802 FAX

Figure 1: Area of Geophysical Investigation
217 West 28th Street
New York, NY

Client	Tenen Environmental	Date of Work	December 23, 2012
Project No.	C1212231L	Map By	Daniel Latini
ALL UNDERGROUND FACILITIES MAY NOT BE DEPICTED ON THIS MAP			

Subsurface Geophysical Surveys

GPR
MAGNETICS
ELECTROMAGNETICS
SEISMICS
RESISTIVITY
UTILITY LOCATION
UXO DETECTION
BOREHOLE CAMERA
SEWER CAMERA
STAFF SUPPORT

December 23, 2012

Mr. Mohamed Ahmed
Tenen Environmental, LLC.
121 West 27th Street, Suite 1004
New York, NY 10001

Dear Mr. Ahmed:

This letter summarizes the results of the geophysical investigation conducted by NAEVA Geophysics, Inc. on December 23, 2012, at a commercial parking lot located at 217 West 28th Street in New York, New York. The purpose of the investigation was to search accessible portions of the property for evidence of underground storage tanks (USTs). In addition to the UST search, NAEVA attempted to mark out the surface trace of a fill port located in the sidewalk of the property, suspected to be UST related piping.

The equipment NAEVA used for this investigation included a Fisher TW-6 Pipe and Cable Locator (a type of hand-held electromagnetic metal-detector), Subsite and 3M Dynatel utility locators, and a Malå RAMAC/Ground Penetrating Radar (GPR) system with a 250-Megahertz (MHz) antenna. It should be noted that the depth of penetration of the GPR's signal was less than 4 feet. Objects located below that depth may not have been detected with GPR.

NAEVA identified a suspected remote fill port (see Figure 1) in the sidewalk south of the attendant booth. That utility runs north approximately 41 feet then turns northwest and continues for another 5 feet to when it then terminates. The TW-6 identified a metal-anomaly measuring approximately 17 by 7 feet in size near the termination of the fill port utility. Due to the proximity to the eastern building's wall the full extent of the metal anomaly could not be determined; however, the metal detector's response suggests a cylindrical target roughly the size of a 5,000 gallon (13 by 8 feet) UST within this anomaly. GPR data profiles collected over the anomaly were inconclusive and did not provide any additional information regarding its source due to the poor signal penetration. Although the full nature of the anomaly could not be determined, its location around the suspected fill port line suggests it may be a UST.

An electric line was traced 53 feet north from the attendant booth to an electrical conduit supplying the car stackers. The main electric service line was identified within the nearby manhole and it continued south into the street. A

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(845) 268-1802 Fax

VIRGINIA
P.O. Box 7325
Charlottesville
Virginia 22906
(434) 978-3187
(434) 973-9791 Fax

line of unknown origin was located connecting the attendant booth with the suspected UST metal anomaly, which suggests it may be an abandoned UST related utility line. A natural gas valve was identified in the roadway south of the attendant booth. When traced it runs approximately four feet north then terminates, suggestion it was capped. The GPR identified a possible former utility trench running through the center of the property in a north-south direction between the sidewalk and the car stackers.

Metal-detector anomalies and utilities of unknown use were marked with fluorescent pink spray paint. NAEVA recommends that you exercise caution when drilling and/or excavating in the vicinity of any detected and marked out features.

Thank you for giving us the opportunity to work with you on this project. Please contact me if you have any questions or require additional information. We look forward to providing subsurface locating services to you in the future.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dan Latini', with a long horizontal flourish extending to the right.

Daniel Latini
Geologist - Project Manager
NAEVA Geophysics, Inc.

Attachments: Figure 1

APPENDIX D
LABORATORY DELIVERABLES



Tuesday, January 15, 2013

Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Project ID: 217 WEST 28TH STREET
Sample ID#s: BD14031 - BD14050

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

January 15, 2013

SDG I.D.: GBD14031

BD14031 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14032 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14033 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14034 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14035 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14036 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14038 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14039 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14040 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14041 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14042 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14045 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14046 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.
BD14048 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/26/12 10:45

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14031

Project ID: 217 WEST 28TH STREET

Client ID: SB-1A 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.43	0.43	0.26	mg/Kg	01/02/13	EK	SW6010
Aluminum	9300	65	8.7	mg/Kg	01/02/13	EK	SW6010
Arsenic	2.3	0.9	0.87	mg/Kg	01/02/13	EK	SW6010
Barium	45.9	0.43	0.17	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.44	0.35	0.17	mg/Kg	01/02/13	EK	SW6010
Calcium	2640	65	40	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.43	0.43	0.17	mg/Kg	01/02/13	EK	SW6010
Cobalt	4.76	0.43	0.17	mg/Kg	01/02/13	EK	SW6010
Chromium	14.8	0.43	0.17	mg/Kg	01/02/13	EK	SW6010
Copper	15.0	0.43	0.35	mg/kg	01/02/13	EK	SW6010
Iron	15000	65	43	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.10	0.10	0.06	mg/Kg	01/02/13	RS	SW-7471
Potassium	1140	6.5	3.4	mg/Kg	01/03/13	LK	SW6010
Magnesium	3750	65	2.6	mg/Kg	01/02/13	EK	SW6010
Manganese	159	4.3	1.7	mg/Kg	01/02/13	EK	SW6010
Sodium	105	6.5	3.7	mg/Kg	01/03/13	LK	SW6010
Nickel	14.3	0.43	0.17	mg/Kg	01/02/13	EK	SW6010
Lead	8.53	0.43	0.26	mg/Kg	01/02/13	EK	SW6010
Antimony	< 4.3	4.3	0.87	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.7	1.7	1.5	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.7	0.7	1.7	mg/Kg	01/02/13	EK	SW6010
Vanadium	18.8	0.43	0.17	mg/Kg	01/02/13	EK	SW6010
Zinc	44.0	0.43	0.43	mg/Kg	01/02/13	EK	SW6010
Percent Solid	77			%	12/28/12	JL	E160.3
Total Cyanide	< 0.65	0.65	0.32	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	86	86	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	86	86	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	73			%	12/31/12	AW	30 - 150 %
% TCMX	71			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.6	2.6	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.6	2.6	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.6	2.6	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	4.1	4.1	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	4.1	4.1	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.3	1.3	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	4.1	4.1	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	13	13	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	4.1	4.1	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.3	1.3	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	4.1	4.1	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	8.2	8.2	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	8.2	8.2	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	8.2	8.2	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	8.2	8.2	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	8.2	8.2	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.3	1.3	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.6	2.6	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	4.1	4.1	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	41	41	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	41	41	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	71			%	01/02/13	MH	30 - 150 %
% TCMX	61			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,1,2-Trichloroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,1-Dichloroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,1-Dichloroethene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dibromoethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dichlorobenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dichloroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dichloropropane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,3-Dichlorobenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
1,4-Dichlorobenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
2-Hexanone	ND	32		ug/kg	12/31/12	R/J	SW8260
4-Methyl-2-pentanone	ND	32		ug/kg	12/31/12	R/J	SW8260
Acetone	ND	39		ug/kg	12/31/12	R/J	SW8260
Benzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Bromochloromethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Bromodichloromethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Bromoform	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Bromomethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Carbon Disulfide	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Carbon tetrachloride	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Chlorobenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Chloroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Chloroform	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Chloromethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Cyclohexane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Dibromochloromethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Dichlorodifluoromethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Ethylbenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Isopropylbenzene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
m&p-Xylene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Methyl ethyl ketone	ND	39		ug/kg	12/31/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	13		ug/kg	12/31/12	R/J	SW8260
Methylacetate	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Methylcyclohexane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Methylene chloride	ND	6.5		ug/kg	12/31/12	R/J	SW8260
o-Xylene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Styrene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Tetrachloroethene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Toluene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Total Xylenes	ND	6.5		ug/kg	12/31/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Trichloroethene	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Trichlorofluoromethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Trichlorotrifluoroethane	ND	6.5		ug/kg	12/31/12	R/J	SW8260
Vinyl chloride	ND	6.5		ug/kg	12/31/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96			%	12/31/12	R/J	70 - 130 %
% Bromofluorobenzene	80			%	12/31/12	R/J	70 - 130 %
% Dibromofluoromethane	100			%	12/31/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	100			%	12/31/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/31/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96			%	12/31/12	R/J	70 - 130 %
% Bromofluorobenzene	80			%	12/31/12	R/J	70 - 130 %
% Toluene-d8	100			%	12/31/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	300		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	680		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	300		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	300		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	300		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	300		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	300		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	680		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	430		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	510		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	680		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	430		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	300		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	300		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	680		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1200		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	300		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	300		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	300		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	430		ug/Kg	12/30/12	DD	SW 8270

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	300		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	300		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	300		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1200		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	300		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	300		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	300		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	300		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	300		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	300		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	300		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	300		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	430		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	300		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	430		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	430		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	300		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	300		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	300		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	74			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	77			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	77			%	12/30/12	DD	30 - 130 %
% Phenol-d5	82			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	88			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

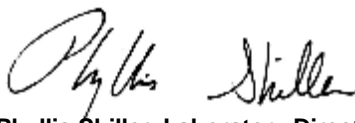
**Poor IS recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/26/12 10:50

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14032

Project ID: 217 WEST 28TH STREET

Client ID: SB-1A 6-8

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.19	mg/Kg	01/02/13	EK	SW6010
Aluminum	5190	48	6.4	mg/Kg	01/02/13	EK	SW6010
Arsenic	1.2	0.6	0.64	mg/Kg	01/02/13	EK	SW6010
Barium	36.0	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.33	0.26	0.13	mg/Kg	01/02/13	EK	SW6010
Calcium	6570	48	30	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.32	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Cobalt	4.62	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Chromium	13.3	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Copper	20.1	0.32	0.26	mg/kg	01/02/13	EK	SW6010
Iron	9480	48	32	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	1090	4.8	2.5	mg/Kg	01/03/13	LK	SW6010
Magnesium	3050	48	1.9	mg/Kg	01/02/13	EK	SW6010
Manganese	205	3.2	1.3	mg/Kg	01/02/13	EK	SW6010
Sodium	311	4.8	2.8	mg/Kg	01/03/13	LK	SW6010
Nickel	11.9	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Lead	10.0	0.32	0.19	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.2	3.2	0.64	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.5	0.5	1.3	mg/Kg	01/03/13	LK	SW6010
Vanadium	15.1	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Zinc	18.9	0.32	0.32	mg/Kg	01/02/13	EK	SW6010
Percent Solid	96			%	12/28/12	JL	E160.3
Total Cyanide	< 0.52	0.52	0.26	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	69	69	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	80			%	12/31/12	AW	30 - 150 %
% TCMX	79			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	2.1	ug/Kg	01/03/13	MH	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/03/13	MH	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/03/13	MH	SW8081
a-BHC	ND	3.3	3.3	ug/Kg	01/03/13	MH	SW8081
Alachlor	ND	3.3	3.3	ug/Kg	01/03/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/03/13	MH	SW8081
b-BHC	ND	3.3	3.3	ug/Kg	01/03/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/03/13	MH	SW8081
d-BHC	ND	3.3	3.3	ug/Kg	01/03/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/03/13	MH	SW8081
Endosulfan I	ND	3.3	3.3	ug/Kg	01/03/13	MH	SW8081
Endosulfan II	ND	6.6	6.6	ug/Kg	01/03/13	MH	SW8081
Endosulfan sulfate	ND	6.6	6.6	ug/Kg	01/03/13	MH	SW8081
Endrin	ND	6.6	6.6	ug/Kg	01/03/13	MH	SW8081
Endrin aldehyde	ND	6.6	6.6	ug/Kg	01/03/13	MH	SW8081
Endrin ketone	ND	6.6	6.6	ug/Kg	01/03/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/03/13	MH	SW8081
Heptachlor	ND	2.1	2.1	ug/Kg	01/03/13	MH	SW8081
Heptachlor epoxide	ND	3.3	3.3	ug/Kg	01/03/13	MH	SW8081
Methoxychlor	ND	33	33	ug/Kg	01/03/13	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/03/13	MH	SW8081

QA/QC Surrogates

% DCBP	82			%	01/03/13	MH	30 - 150 %
% TCMX	51			%	01/03/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	26		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	26		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	26		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Cyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	31		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	111			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	84			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	92			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	104			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	111			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	84			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	104			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	240		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	550		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	410		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	21000	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	570	240		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	240		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	240		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	340		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	85			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	84			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	78			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	82			%	12/30/12	DD	30 - 130 %
% Phenol-d5	84			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	94			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 8:25
12/28/12 17:58

Time

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14033

Project ID: 217 WEST 28TH STREET

Client ID: TW-1 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.20	mg/Kg	01/02/13	EK	SW6010
Aluminum	8480	49	6.5	mg/Kg	01/02/13	EK	SW6010
Arsenic	3.7	0.7	0.65	mg/Kg	01/02/13	EK	SW6010
Barium	190	0.33	0.13	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.34	0.26	0.13	mg/Kg	01/02/13	EK	SW6010
Calcium	30100	49	30	mg/Kg	01/02/13	EK	SW6010
Cadmium	0.45	0.33	0.13	mg/Kg	01/02/13	EK	SW6010
Cobalt	5.98	0.33	0.13	mg/Kg	01/02/13	EK	SW6010
Chromium	22.7	0.33	0.13	mg/Kg	01/02/13	EK	SW6010
Copper	29.2	0.33	0.26	mg/kg	01/02/13	EK	SW6010
Iron	14200	49	33	mg/Kg	01/02/13	EK	SW6010
Mercury	0.21	0.06	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	3190	4.9	2.6	mg/Kg	01/02/13	LK	SW6010
Magnesium	5330	49	2.0	mg/Kg	01/02/13	EK	SW6010
Manganese	231	3.3	1.3	mg/Kg	01/02/13	EK	SW6010
Sodium	988	4.9	2.8	mg/Kg	01/03/13	LK	SW6010
Nickel	15.6	0.33	0.13	mg/Kg	01/02/13	EK	SW6010
Lead	141	3.3	2.0	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.3	3.3	0.65	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.5	0.5	1.3	mg/Kg	01/02/13	EK	SW6010
Vanadium	39.6	0.33	0.13	mg/Kg	01/02/13	EK	SW6010
Zinc	151	3.3	3.3	mg/Kg	01/02/13	EK	SW6010
Percent Solid	91			%	12/28/12	JL	E160.3
Total Cyanide	< 0.55	0.55	0.27	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1221	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1232	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1242	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1248	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1254	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1260	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	01/03/13	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	01/03/13	AW	SW 8082

QA/QC Surrogates

% DCBP	95			%	01/03/13	AW	30 - 150 %
% TCMX	76			%	01/03/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
4,4' -DDE	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
4,4' -DDT	24	22	22	ug/Kg	01/04/13	MH	SW8081
a-BHC	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Alachlor	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Aldrin	ND*	11	11	ug/Kg	01/04/13	MH	SW8081
b-BHC	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Chlordane	ND*	110	110	ug/Kg	01/04/13	MH	SW8081
d-BHC	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Dieldrin	ND*	11	11	ug/Kg	01/04/13	MH	SW8081
Endosulfan I	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Endosulfan II	ND*	69	69	ug/Kg	01/04/13	MH	SW8081
Endosulfan sulfate	ND*	69	69	ug/Kg	01/04/13	MH	SW8081
Endrin	ND*	69	69	ug/Kg	01/04/13	MH	SW8081
Endrin aldehyde	ND*	69	69	ug/Kg	01/04/13	MH	SW8081
Endrin ketone	ND*	69	69	ug/Kg	01/04/13	MH	SW8081
g-BHC	ND*	11	11	ug/Kg	01/04/13	MH	SW8081
Heptachlor	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
Heptachlor epoxide	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Methoxychlor	ND*	340	340	ug/Kg	01/04/13	MH	SW8081
Toxaphene	ND*	340	340	ug/Kg	01/04/13	MH	SW8081

QA/QC Surrogates

% DCBP	Diluted Out			%	01/04/13	MH	30 - 150 %
% TCMX	Diluted Out			%	01/04/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,1-Dichloroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,1-Dichloroethene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dibromoethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dichloroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,2-Dichloropropane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
2-Hexanone	ND	27		ug/kg	12/31/12	R/J	SW8260
4-Methyl-2-pentanone	ND	27		ug/kg	12/31/12	R/J	SW8260
Acetone	ND	33		ug/kg	12/31/12	R/J	SW8260
Benzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Bromochloromethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Bromodichloromethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Bromoform	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Bromomethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Carbon Disulfide	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Carbon tetrachloride	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Chlorobenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Chloroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Chloroform	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Chloromethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Cyclohexane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Dibromochloromethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Ethylbenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Isopropylbenzene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
m&p-Xylene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Methyl ethyl ketone	ND	33		ug/kg	12/31/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	12/31/12	R/J	SW8260
Methylacetate	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Methylcyclohexane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Methylene chloride	ND	5.5		ug/kg	12/31/12	R/J	SW8260
o-Xylene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Styrene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Tetrachloroethene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Toluene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Total Xylenes	ND	5.5		ug/kg	12/31/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Trichloroethene	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Trichlorofluoromethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.5		ug/kg	12/31/12	R/J	SW8260
Vinyl chloride	ND	5.5		ug/kg	12/31/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	12/31/12	R/J	70 - 130 %
% Bromofluorobenzene	76			%	12/31/12	R/J	70 - 130 %
% Dibromofluoromethane	100			%	12/31/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	98			%	12/31/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/31/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98			%	12/31/12	R/J	70 - 130 %
% Bromofluorobenzene	76			%	12/31/12	R/J	70 - 130 %
% Toluene-d8	98			%	12/31/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	2600		ug/Kg	12/31/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dichlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dimethylphenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dinitrophenol	ND	5800		ug/Kg	12/31/12	DD	SW 8270
2,4-Dinitrotoluene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,6-Dinitrotoluene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Chloronaphthalene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Chlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Methylnaphthalene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Nitroaniline	ND	5800		ug/Kg	12/31/12	DD	SW 8270
2-Nitrophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	3600		ug/Kg	12/31/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	4400		ug/Kg	12/31/12	DD	SW 8270
3-Nitroaniline	ND	5800		ug/Kg	12/31/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	11000		ug/Kg	12/31/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	3600		ug/Kg	12/31/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
4-Chloroaniline	ND	2600		ug/Kg	12/31/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	2600		ug/Kg	12/31/12	DD	SW 8270
4-Nitroaniline	ND	5800		ug/Kg	12/31/12	DD	SW 8270
4-Nitrophenol	ND	11000		ug/Kg	12/31/12	DD	SW 8270
Acenaphthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Acenaphthylene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Acetophenone	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Anthracene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Atrazine	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benz(a)anthracene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzaldehyde	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(a)pyrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(b)fluoranthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(ghi)perylene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(k)fluoranthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzyl butyl phthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	3600		ug/Kg	12/31/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Caprolactam	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Carbazole	ND	11000		ug/Kg	12/31/12	DD	SW 8270
Chrysene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Dibenzofuran	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Diethyl phthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Dimethylphthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Di-n-butylphthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Di-n-octylphthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Fluoranthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Fluorene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachlorobenzene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachlorobutadiene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachloroethane	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Isophorone	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Naphthalene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Nitrobenzene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodimethylamine	ND	3600		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	2600		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	3600		ug/Kg	12/31/12	DD	SW 8270
Pentachlorophenol	ND	3600		ug/Kg	12/31/12	DD	SW 8270
Phenanthrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Phenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Pyrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out			%	12/31/12	DD	30 - 130 %
% 2-Fluorobiphenyl	*Diluted Out			%	12/31/12	DD	30 - 130 %
% 2-Fluorophenol	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Phenol-d5	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out			%	12/31/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

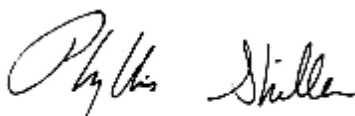
**Poor IS recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 9:05

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14034

Project ID: 217 WEST 28TH STREET

Client ID: TW-1 14-16

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.50	0.50	0.22	mg/Kg	01/02/13	EK	SW6010
Aluminum	3330	54	7.2	mg/Kg	01/02/13	EK	SW6010
Arsenic	0.8	0.7	0.72	mg/Kg	01/02/13	EK	SW6010
Barium	31.2	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Beryllium	< 0.29	0.29	0.14	mg/Kg	01/02/13	EK	SW6010
Calcium	3350	54	33	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.36	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Cobalt	2.31	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Chromium	7.45	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Copper	10.3	0.36	0.29	mg/kg	01/02/13	EK	SW6010
Iron	6130	54	36	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	858	5.4	2.8	mg/Kg	01/03/13	LK	SW6010
Magnesium	1620	54	2.2	mg/Kg	01/02/13	EK	SW6010
Manganese	154	3.6	1.4	mg/Kg	01/02/13	EK	SW6010
Sodium	218	5.4	3.1	mg/Kg	01/03/13	LK	SW6010
Nickel	8.58	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Lead	8.80	0.36	0.22	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.6	3.6	0.72	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.4	mg/Kg	01/02/13	EK	SW6010
Vanadium	11.2	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Zinc	25.2	0.36	0.36	mg/Kg	01/02/13	EK	SW6010
Percent Solid	96			%	12/28/12	JL	E160.3
Total Cyanide	< 0.52	0.52	0.26	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	68	68	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	76			%	12/31/12	AW	30 - 150 %
% TCMX	76			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	32	32	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	32	32	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	80			%	01/02/13	MH	30 - 150 %
% TCMX	66			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	26		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	26		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	26		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260 1
Cyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	31		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	91			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	99			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	103			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	91			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	103			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	240		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	550		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	410		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	240		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	240		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	340		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	95			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	85			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	80			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	83			%	12/30/12	DD	30 - 130 %
% Phenol-d5	85			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	93			%	12/30/12	DD	30 - 130 %

Project ID: 217 WEST 28TH STREET
Client ID: TW-1 14-16

Phoenix I.D.: BD14034

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

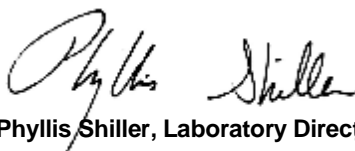
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 10:25

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14035

Project ID: 217 WEST 28TH STREET

Client ID: SB-6 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.21	mg/Kg	01/02/13	EK	SW6010
Aluminum	6010	52	6.9	mg/Kg	01/02/13	EK	SW6010
Arsenic	3.2	0.7	0.69	mg/Kg	01/02/13	EK	SW6010
Barium	107	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.29	0.28	0.14	mg/Kg	01/02/13	EK	SW6010
Calcium	35200	52	32	mg/Kg	01/02/13	EK	SW6010
Cadmium	1.80	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Cobalt	4.98	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Chromium	14.1	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Copper	26.3	0.35	0.28	mg/kg	01/02/13	EK	SW6010
Iron	13900	52	35	mg/Kg	01/02/13	EK	SW6010
Mercury	0.08	0.07	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	2030	5.2	2.7	mg/Kg	01/03/13	LK	SW6010
Magnesium	7150	52	2.1	mg/Kg	01/02/13	EK	SW6010
Manganese	219	3.5	1.4	mg/Kg	01/02/13	EK	SW6010
Sodium	738	5.2	3.0	mg/Kg	01/03/13	LK	SW6010
Nickel	14.4	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Lead	89.6	0.35	0.21	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.5	3.5	0.69	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.4	mg/Kg	01/03/13	LK	SW6010
Vanadium	66.5	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Zinc	225	3.5	3.5	mg/Kg	01/02/13	EK	SW6010
Percent Solid	89			%	12/28/12	JL	E160.3
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1221	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1232	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1242	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1248	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1254	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1260	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	01/03/13	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	01/03/13	AW	SW 8082

QA/QC Surrogates

% DCBP	99			%	01/03/13	AW	30 - 150 %
% TCMX	74			%	01/03/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
4,4' -DDE	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
4,4' -DDT	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
a-BHC	ND*	36	36	ug/Kg	01/04/13	MH	SW8081
Alachlor	ND*	36	36	ug/Kg	01/04/13	MH	SW8081
Aldrin	ND*	11	11	ug/Kg	01/04/13	MH	SW8081
b-BHC	ND*	36	36	ug/Kg	01/04/13	MH	SW8081
Chlordane	ND*	110	110	ug/Kg	01/04/13	MH	SW8081
d-BHC	ND*	36	36	ug/Kg	01/04/13	MH	SW8081
Dieldrin	ND*	11	11	ug/Kg	01/04/13	MH	SW8081
Endosulfan I	ND*	36	36	ug/Kg	01/04/13	MH	SW8081
Endosulfan II	ND*	71	71	ug/Kg	01/04/13	MH	SW8081
Endosulfan sulfate	ND*	71	71	ug/Kg	01/04/13	MH	SW8081
Endrin	ND*	71	71	ug/Kg	01/04/13	MH	SW8081
Endrin aldehyde	ND*	71	71	ug/Kg	01/04/13	MH	SW8081
Endrin ketone	ND*	71	71	ug/Kg	01/04/13	MH	SW8081
g-BHC	ND*	11	11	ug/Kg	01/04/13	MH	SW8081
Heptachlor	ND*	22	22	ug/Kg	01/04/13	MH	SW8081
Heptachlor epoxide	ND*	36	36	ug/Kg	01/04/13	MH	SW8081
Methoxychlor	ND*	360	360	ug/Kg	01/04/13	MH	SW8081
Toxaphene	ND*	360	360	ug/Kg	01/04/13	MH	SW8081

QA/QC Surrogates

% DCBP	64			%	01/04/13	MH	30 - 150 %
% TCMX	72			%	01/04/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
2-Hexanone	ND	28		ug/kg	01/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	28		ug/kg	01/01/13	R/J	SW8260
Acetone	ND	34		ug/kg	01/01/13	R/J	SW8260
Benzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Bromochloromethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Bromodichloromethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Bromoform	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Bromomethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Carbon Disulfide	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Chlorobenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Chloroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Chloroform	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Chloromethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Cyclohexane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Dibromochloromethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Ethylbenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Isopropylbenzene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
m&p-Xylene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Methyl ethyl ketone	ND	34		ug/kg	01/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	01/01/13	R/J	SW8260
Methylacetate	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Methylcyclohexane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Methylene chloride	ND	5.6		ug/kg	01/01/13	R/J	SW8260
o-Xylene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Styrene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Tetrachloroethene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Toluene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Total Xylenes	ND	5.6		ug/kg	01/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Trichloroethene	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.6		ug/kg	01/01/13	R/J	SW8260
Vinyl chloride	ND	5.6		ug/kg	01/01/13	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/01/13	R/J	70 - 130 %
% Bromofluorobenzene	73			%	01/01/13	R/J	70 - 130 %
% Dibromofluoromethane	110			%	01/01/13	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	91			%	01/01/13	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	01/01/13	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	01/01/13	R/J	70 - 130 %
% Bromofluorobenzene	73			%	01/01/13	R/J	70 - 130 %
% Toluene-d8	91			%	01/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	2600		ug/Kg	12/31/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dichlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dimethylphenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dinitrophenol	ND	5900		ug/Kg	12/31/12	DD	SW 8270
2,4-Dinitrotoluene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2,6-Dinitrotoluene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Chloronaphthalene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Chlorophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Methylnaphthalene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2600		ug/Kg	12/31/12	DD	SW 8270
2-Nitroaniline	ND	5900		ug/Kg	12/31/12	DD	SW 8270
2-Nitrophenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	3700		ug/Kg	12/31/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	4400		ug/Kg	12/31/12	DD	SW 8270
3-Nitroaniline	ND	5900		ug/Kg	12/31/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	11000		ug/Kg	12/31/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	3700		ug/Kg	12/31/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
4-Chloroaniline	ND	2600		ug/Kg	12/31/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	2600		ug/Kg	12/31/12	DD	SW 8270
4-Nitroaniline	ND	5900		ug/Kg	12/31/12	DD	SW 8270
4-Nitrophenol	ND	11000		ug/Kg	12/31/12	DD	SW 8270
Acenaphthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Acenaphthylene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Acetophenone	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Anthracene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Atrazine	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benz(a)anthracene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzaldehyde	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(a)pyrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(b)fluoranthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(ghi)perylene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzo(k)fluoranthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Benzyl butyl phthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	3700		ug/Kg	12/31/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Caprolactam	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Carbazole	ND	11000		ug/Kg	12/31/12	DD	SW 8270
Chrysene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Dibenzofuran	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Diethyl phthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Dimethylphthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Di-n-butylphthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Di-n-octylphthalate	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Fluoranthene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Fluorene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachlorobenzene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachlorobutadiene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Hexachloroethane	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Isophorone	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Naphthalene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Nitrobenzene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodimethylamine	ND	3700		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	2600		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	3700		ug/Kg	12/31/12	DD	SW 8270
Pentachlorophenol	ND	3700		ug/Kg	12/31/12	DD	SW 8270
Phenanthrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Phenol	ND	2600		ug/Kg	12/31/12	DD	SW 8270
Pyrene	ND	2600		ug/Kg	12/31/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out			%	12/31/12	DD	30 - 130 %
% 2-Fluorobiphenyl	*Diluted Out			%	12/31/12	DD	30 - 130 %
% 2-Fluorophenol	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Phenol-d5	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out			%	12/31/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

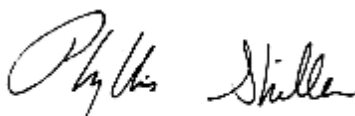
**Poor IS recovery was observed for volatiles due to matrix interference. Sample was analyzed twice with similar results.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 10:35

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14036

Project ID: 217 WEST 28TH STREET

Client ID: SB-6 14-16

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	01/02/13	EK	SW6010
Aluminum	2880	56	7.4	mg/Kg	01/02/13	EK	SW6010
Arsenic	< 0.7	0.7	0.74	mg/Kg	01/02/13	EK	SW6010
Barium	16.3	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Beryllium	< 0.30	0.30	0.15	mg/Kg	01/02/13	EK	SW6010
Calcium	1140	56	34	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Cobalt	1.91	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Chromium	7.49	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Copper	7.62	0.37	0.30	mg/kg	01/02/13	EK	SW6010
Iron	5990	56	37	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.08	0.08	0.05	mg/Kg	01/02/13	RS	SW-7471
Potassium	851	5.6	2.9	mg/Kg	01/03/13	LK	SW6010
Magnesium	1500	56	2.2	mg/Kg	01/02/13	EK	SW6010
Manganese	141	3.7	1.5	mg/Kg	01/02/13	EK	SW6010
Sodium	114	5.6	3.2	mg/Kg	01/03/13	LK	SW6010
Nickel	6.01	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Lead	3.62	0.37	0.22	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.7	3.7	0.74	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.5	mg/Kg	01/02/13	EK	SW6010
Vanadium	7.67	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Zinc	9.12	0.37	0.37	mg/Kg	01/02/13	EK	SW6010
Percent Solid	96			%	12/28/12	JL	E160.3
Total Cyanide	< 0.52	0.52	0.26	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

B*

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	68	68	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	81			%	12/31/12	AW	30 - 150 %
% TCMX	81			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	33	33	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	81			%	01/02/13	MH	30 - 150 %
% TCMX	63			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	26		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	26		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	26		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Cyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	31		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	90			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	102			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	103			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	90			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	103			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	230		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	540		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	230		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	230		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	230		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	230		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	230		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	540		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	400		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	540		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	970		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	230		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	230		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	540		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	970		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	230		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	230		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	230		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	230		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	230		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	230		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	970		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	230		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	230		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	230		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	230		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	230		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	230		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	230		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	230		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	230		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	340		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	230		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	230		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	230		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	98			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	89			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	83			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	84			%	12/30/12	DD	30 - 130 %
% Phenol-d5	87			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	92			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B* = Present in blank, a bias is possible.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

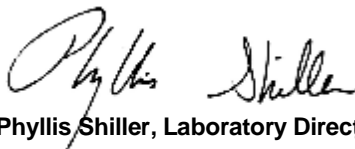
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: GROUND WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 11:00
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14037

Project ID: 217 WEST 28TH STREET
Client ID: TW-1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum	0.013	0.010	0.0022	mg/L	01/02/13	LK	SW6010
Arsenic	< 0.004	0.004	0.0027	mg/L	01/02/13	EK	SW6010
Barium	0.125	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium	72.4	0.010	0.0023	mg/L	01/02/13	EK	SW6010
Cadmium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt	< 0.002	0.002	0.0008	mg/L	01/02/13	EK	SW6010
Chromium	0.001	0.001	0.0007	mg/L	01/02/13	EK	SW6010
Copper	< 0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum (Dissolved)	< 0.01	0.01	0.0023	mg/L	01/02/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	0.0029	mg/L	01/02/13	EK	SW6010
Barium (Dissolved)	0.119	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium (Dissolved)	68.4	0.01	0.0025	mg/L	01/02/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	0.0009	mg/L	01/02/13	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0008	mg/L	01/02/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Iron (Dissolved)	< 0.011	0.011	0.005	mg/L	01/02/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	12/31/12	RS	SW7470
Potassium (Dissolved)	16.0	0.1	0.0095	mg/L	01/02/13	EK	SW6010
Magnesium (Dissolved)	17.6	0.01	0.0008	mg/L	01/02/13	EK	SW6010
Manganese (Dissolved)	0.350	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium (Dissolved)	75.6	1.1	0.089	mg/L	01/02/13	EK	SW6010
Nickel (Dissolved)	0.002	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.0018	mg/L	01/02/13	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	0.0048	mg/L	01/02/13	EK	SW6010
Selenium (Dissolved)	< 0.010	0.010	0.0061	mg/L	01/02/13	EK	SW6010
Thallium (Dissolved)	< 0.0005	0.0005	0.001	mg/L	01/04/13	R/P	SW7010
Vanadium (Dissolved)	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc (Dissolved)	< 0.002	0.002	0.0012	mg/L	01/02/13	EK	SW6010
Iron	0.148	0.010	0.005	mg/L	01/02/13	EK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	12/31/12	RS	SW7470
Potassium	15.3	0.1	0.0089	mg/L	01/02/13	LK	SW6010
Magnesium	19.3	0.01	0.0007	mg/L	01/02/13	EK	SW6010
Manganese	0.373	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium	77.7	1.0	0.083	mg/L	01/03/13	EK	SW6010
Nickel	0.003	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead	< 0.002	0.002	0.0017	mg/L	01/02/13	EK	SW6010
Antimony	< 0.003	0.003	0.0045	mg/L	01/02/13	EK	SW6010
Selenium	< 0.010	0.010	0.0057	mg/L	01/02/13	EK	SW6010
Thallium	< 0.0005	0.0005	0.001	mg/L	01/04/13	R/P	SW7010
Vanadium	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc	0.002	0.002	0.0011	mg/L	01/02/13	EK	SW6010
Filtration	Completed				12/31/12	TH	0.45um Filter
Dissolved Mercury Digestion	Completed				12/31/12	X/X	SW7470
Mercury Digestion	Completed				12/31/12	X/X	SW7470
PCB Extraction	Completed				12/28/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed				12/28/12	L	SW3510
Semi-Volatile Extraction	Completed				12/28/12	i/D	SW3520
Dissolved Metals Preparation	Completed				12/31/12	T	SW846-3005
Total Metals Digestion	Completed				12/28/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1221	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1232	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1242	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1248	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1254	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1260	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1262	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1268	ND	0.050	0.050	ug/L	12/31/12	AW	8082

QA/QC Surrogates

% DCBP	58			%	12/31/12	AW	30 - 150 %
% TCMX	67			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDE	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDT	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
a-BHC	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Alachlor	ND	0.075	0.075	ug/L	01/02/13	MH	SW8081
Aldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
b-BHC	ND	0.005	0.005	ug/L	01/02/13	MH	SW8081
Chlordane	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Dieldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
Endosulfan I	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan II	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan Sulfate	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Endrin Aldehyde	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin ketone	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
g-BHC (Lindane)	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Heptachlor	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Heptachlor epoxide	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Methoxychlor	ND	0.10	0.1	ug/L	01/02/13	MH	SW8081
Toxaphene	ND	0.25	0.25	ug/L	01/02/13	MH	SW8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	68			%	01/02/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	77			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,1,2-Trichloroethane	ND	3.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloroethane	ND	2.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,3-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,4-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
2-Hexanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
4-Methyl-2-pentanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Acetone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Benzene	ND	0.70		ug/L	01/02/13	R/T	SW8260
Bromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromodichloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromoform	ND	5.0		ug/L	01/02/13	R/T	SW8260
Bromomethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Carbon Disulfide	ND	1.0		ug/L	01/02/13	R/T	SW8260
Carbon tetrachloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
Chlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroform	7.3	5.0		ug/L	01/02/13	R/T	SW8260
Chloromethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Cyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Dibromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dichlorodifluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Ethylbenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Isopropylbenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
m&p-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl ethyl ketone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methylacetate	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylcyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylene chloride	ND	3.0		ug/L	01/02/13	R/T	SW8260
o-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Styrene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Tetrachloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Toluene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Total Xylenes	ND	1.0		ug/L	01/02/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	01/02/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Vinyl chloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	95			%	01/02/13	R/T	70 - 130 %
% Dibromofluoromethane	105			%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100			%	01/02/13	R/T	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100		ug/l	01/02/13	R/T	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	95			%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100			%	01/02/13	R/T	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	0.90		ug/L	12/31/12	DD	SW8270 (SIM)
1,2,4,5-Tetrachlorobenzene	ND	2.0		ug/L	12/31/12	DD	SW8270 (SIM)
Acenaphthylene	ND	0.30		ug/L	12/31/12	DD	SW8270 (SIM)
Atrazine	ND	3.0		ug/L	12/31/12	DD	SW8270 (SIM)
Benz(a)anthracene	0.12	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(a)pyrene	0.08	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.09	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.04	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	2.0		ug/L	12/31/12	DD	SW8270 (SIM)
Chrysene	0.11	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	12/31/12	DD	SW8270 (SIM)
Hexachloroethane	ND	3.0		ug/L	12/31/12	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.04	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
N-Nitrosodimethylamine	ND	0.80		ug/L	12/31/12	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Pentachlorophenol	ND	0.30		ug/L	12/31/12	DD	SW8270 (SIM)
Phenanthrene	1.6	0.077		ug/L	12/31/12	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	75			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorobiphenyl	65			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorophenol	58			%	12/31/12	DD	SW8270 (SIM)
% Nitrobenzene-d5	84			%	12/31/12	DD	SW8270 (SIM)
% Phenol-d5	58			%	12/31/12	DD	SW8270 (SIM)
% Terphenyl-d14	76			%	12/31/12	DD	SW8270 (SIM)
<u>Semivolatiles</u>							
2,3,4,6-tetrachlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dimethylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chloronaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylnaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
2-Nitrophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	10		ug/L	01/02/13	DD	SW 8270
3-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	25		ug/L	01/02/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloroaniline	ND	10		ug/L	01/02/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4-Nitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
Acenaphthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Acetophenone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Anthracene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzaldehyde	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzo(ghi)perylene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzyl butyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Caprolactam	ND	5.0		ug/L	01/02/13	DD	SW 8270
Carbazole	ND	25		ug/L	01/02/13	DD	SW 8270
Dibenzofuran	ND	5.0		ug/L	01/02/13	DD	SW 8270
Diethyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Dimethylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-butylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270

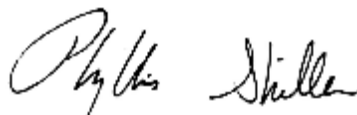
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Di-n-octylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluoranthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluorene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Isophorone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Naphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Nitrobenzene	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
Phenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
Pyrene	ND	5.0		ug/L	01/02/13	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	75			%	01/02/13	DD	SW 8270
% 2-Fluorobiphenyl	65			%	01/02/13	DD	SW 8270
% 2-Fluorophenol	58			%	01/02/13	DD	SW 8270
% Nitrobenzene-d5	84			%	01/02/13	DD	SW 8270
% Phenol-d5	58			%	01/02/13	DD	SW 8270
% Terphenyl-d14	76			%	01/02/13	DD	SW 8270

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 11:50

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14038

Project ID: 217 WEST 28TH STREET

Client ID: SB-2 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.35	0.35	0.21	mg/Kg	01/02/13	EK	SW6010
Aluminum	5720	52	6.9	mg/Kg	01/02/13	EK	SW6010
Arsenic	2.1	0.7	0.69	mg/Kg	01/02/13	EK	SW6010
Barium	51.9	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Beryllium	< 0.28	0.28	0.14	mg/Kg	01/02/13	EK	SW6010
Calcium	16000	52	32	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.35	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Cobalt	6.67	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Chromium	9.94	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Copper	33.8	0.35	0.28	mg/kg	01/02/13	EK	SW6010
Iron	16400	52	35	mg/Kg	01/02/13	EK	SW6010
Mercury	0.07	0.07	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	1510	5.2	2.7	mg/Kg	01/03/13	LK	SW6010
Magnesium	5970	52	2.1	mg/Kg	01/02/13	EK	SW6010
Manganese	184	3.5	1.4	mg/Kg	01/02/13	EK	SW6010
Sodium	886	5.2	3.0	mg/Kg	01/03/13	LK	SW6010
Nickel	13.1	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Lead	32.3	0.35	0.21	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.5	3.5	0.69	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.4	mg/Kg	01/02/13	EK	SW6010
Vanadium	75.4	0.35	0.14	mg/Kg	01/02/13	EK	SW6010
Zinc	40.6	0.35	0.35	mg/Kg	01/02/13	EK	SW6010
Percent Solid	94			%	12/28/12	JL	E160.3
Total Cyanide	< 0.53	0.53	0.27	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1221	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1232	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1242	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1248	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1254	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1260	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	01/03/13	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	01/03/13	AW	SW 8082

QA/QC Surrogates

% DCBP	90			%	01/03/13	AW	30 - 150 %
% TCMX	64			%	01/03/13	AW	30 - 150 %

Pesticides

4,4' -DDD	ND*	21	21	ug/Kg	01/04/13	MH	SW8081
4,4' -DDE	ND*	21	21	ug/Kg	01/04/13	MH	SW8081
4,4' -DDT	ND*	21	21	ug/Kg	01/04/13	MH	SW8081
a-BHC	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Alachlor	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Aldrin	ND*	10	10	ug/Kg	01/04/13	MH	SW8081
b-BHC	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Chlordane	ND*	100	100	ug/Kg	01/04/13	MH	SW8081
d-BHC	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Dieldrin	ND*	10	10	ug/Kg	01/04/13	MH	SW8081
Endosulfan I	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Endosulfan II	ND*	67	67	ug/Kg	01/04/13	MH	SW8081
Endosulfan sulfate	ND*	67	67	ug/Kg	01/04/13	MH	SW8081
Endrin	ND*	67	67	ug/Kg	01/04/13	MH	SW8081
Endrin aldehyde	ND*	67	67	ug/Kg	01/04/13	MH	SW8081
Endrin ketone	ND*	67	67	ug/Kg	01/04/13	MH	SW8081
g-BHC	ND*	10	10	ug/Kg	01/04/13	MH	SW8081
Heptachlor	ND*	21	21	ug/Kg	01/04/13	MH	SW8081
Heptachlor epoxide	ND*	34	34	ug/Kg	01/04/13	MH	SW8081
Methoxychlor	ND*	340	340	ug/Kg	01/04/13	MH	SW8081
Toxaphene	ND*	340	340	ug/Kg	01/04/13	MH	SW8081

QA/QC Surrogates

% DCBP	70			%	01/04/13	MH	30 - 150 %
% TCMX	73			%	01/04/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
2-Hexanone	ND	27		ug/kg	01/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	27		ug/kg	01/01/13	R/J	SW8260
Acetone	ND	32		ug/kg	01/01/13	R/J	SW8260
Benzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromochloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromodichloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromoform	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromomethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Carbon Disulfide	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chloroform	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Cyclohexane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Dibromochloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Ethylbenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Isopropylbenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
m&p-Xylene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Methyl ethyl ketone	ND	32		ug/kg	01/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	01/01/13	R/J	SW8260
Methylacetate	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Methylcyclohexane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Methylene chloride	ND	5.3		ug/kg	01/01/13	R/J	SW8260
o-Xylene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Styrene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Tetrachloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Toluene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Total Xylenes	ND	5.3		ug/kg	01/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Trichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Vinyl chloride	ND	5.3		ug/kg	01/01/13	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	01/01/13	R/J	70 - 130 %
% Bromofluorobenzene	78			%	01/01/13	R/J	70 - 130 %
% Dibromofluoromethane	105			%	01/01/13	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	99			%	01/01/13	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	01/01/13	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	01/01/13	R/J	70 - 130 %
% Bromofluorobenzene	78			%	01/01/13	R/J	70 - 130 %
% Toluene-d8	99			%	01/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	2500		ug/Kg	12/31/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,4-Dichlorophenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,4-Dimethylphenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,4-Dinitrophenol	ND	5600		ug/Kg	12/31/12	DD	SW 8270
2,4-Dinitrotoluene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2,6-Dinitrotoluene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2-Chloronaphthalene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2-Chlorophenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2-Methylnaphthalene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	2500		ug/Kg	12/31/12	DD	SW 8270
2-Nitroaniline	ND	5600		ug/Kg	12/31/12	DD	SW 8270
2-Nitrophenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	3500		ug/Kg	12/31/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	4200		ug/Kg	12/31/12	DD	SW 8270
3-Nitroaniline	ND	5600		ug/Kg	12/31/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	10000		ug/Kg	12/31/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	3500		ug/Kg	12/31/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
4-Chloroaniline	ND	2500		ug/Kg	12/31/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	2500		ug/Kg	12/31/12	DD	SW 8270
4-Nitroaniline	ND	5600		ug/Kg	12/31/12	DD	SW 8270
4-Nitrophenol	ND	10000		ug/Kg	12/31/12	DD	SW 8270
Acenaphthene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Acenaphthylene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Acetophenone	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Anthracene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Atrazine	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benz(a)anthracene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benzaldehyde	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benzo(a)pyrene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benzo(b)fluoranthene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benzo(ghi)perylene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benzo(k)fluoranthene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Benzyl butyl phthalate	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	3500		ug/Kg	12/31/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Caprolactam	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Carbazole	ND	10000		ug/Kg	12/31/12	DD	SW 8270
Chrysene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Dibenzofuran	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Diethyl phthalate	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Dimethylphthalate	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Di-n-butylphthalate	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Di-n-octylphthalate	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Fluoranthene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Fluorene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Hexachlorobenzene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Hexachlorobutadiene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Hexachloroethane	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Isophorone	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Naphthalene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Nitrobenzene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodimethylamine	ND	3500		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	2500		ug/Kg	12/31/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	3500		ug/Kg	12/31/12	DD	SW 8270
Pentachlorophenol	ND	3500		ug/Kg	12/31/12	DD	SW 8270
Phenanthrene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Phenol	ND	2500		ug/Kg	12/31/12	DD	SW 8270
Pyrene	ND	2500		ug/Kg	12/31/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	*Diluted Out			%	12/31/12	DD	30 - 130 %
% 2-Fluorobiphenyl	*Diluted Out			%	12/31/12	DD	30 - 130 %
% 2-Fluorophenol	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Nitrobenzene-d5	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Phenol-d5	*Diluted Out			%	12/31/12	DD	30 - 130 %
% Terphenyl-d14	*Diluted Out			%	12/31/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

* Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the semivolatile analysis.

* For Pesticides, due to matrix interference from non target compounds in the sample an elevated RL was reported.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 12:00
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14039

Project ID: 217 WEST 28TH STREET
Client ID: SB-2 14-16

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	01/02/13	EK	SW6010
Aluminum	6580	54	7.2	mg/Kg	01/02/13	EK	SW6010
Arsenic	< 0.7	0.7	0.72	mg/Kg	01/02/13	EK	SW6010
Barium	25.2	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.39	0.29	0.14	mg/Kg	01/02/13	EK	SW6010
Calcium	2830	54	33	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.36	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Cobalt	3.74	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Chromium	17.4	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Copper	18.3	0.36	0.29	mg/kg	01/02/13	EK	SW6010
Iron	10200	54	36	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	1320	54	28	mg/Kg	01/02/13	EK	SW6010
Magnesium	3070	54	2.2	mg/Kg	01/02/13	EK	SW6010
Manganese	93.3	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Sodium	498	5.4	3.1	mg/Kg	01/02/13	EK	SW6010
Nickel	16.4	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Lead	5.55	0.36	0.22	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.6	3.6	0.72	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.4	mg/Kg	01/02/13	EK	SW6010
Vanadium	17.3	0.36	0.14	mg/Kg	01/02/13	EK	SW6010
Zinc	17.3	0.36	0.36	mg/Kg	01/02/13	EK	SW6010
Percent Solid	96			%	12/28/12	JL	E160.3
Total Cyanide	< 0.52	0.52	0.26	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	68	68	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	68	68	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	80			%	12/31/12	AW	30 - 150 %
% TCMX	79			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	33	33	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	84			%	01/02/13	MH	30 - 150 %
% TCMX	68			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	26		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	26		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	26		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260 1
Cyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	31		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	90			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	101			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	104			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	90			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	104			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	240		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	550		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	410		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	990		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	550		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	990		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	240		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	990		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	240		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	340		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	72			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	69			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	70			%	12/30/12	DD	30 - 130 %
% Phenol-d5	71			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	78			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 13:05
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14040

Project ID: 217 WEST 28TH STREET
Client ID: SB-3 0-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	0.24	mg/Kg	01/02/13	EK	SW6010
Aluminum	13000	59	7.9	mg/Kg	01/02/13	EK	SW6010
Arsenic	3.0	0.8	0.79	mg/Kg	01/02/13	EK	SW6010
Barium	46.5	0.39	0.16	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.55	0.31	0.16	mg/Kg	01/02/13	EK	SW6010
Calcium	1260	59	36	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.39	0.39	0.16	mg/Kg	01/02/13	EK	SW6010
Cobalt	6.65	0.39	0.16	mg/Kg	01/02/13	EK	SW6010
Chromium	34.4	0.39	0.16	mg/Kg	01/02/13	EK	SW6010
Copper	26.2	0.39	0.31	mg/kg	01/02/13	EK	SW6010
Iron	19100	59	39	mg/Kg	01/02/13	EK	SW6010
Mercury	0.23	0.06	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	1450	59	31	mg/Kg	01/02/13	EK	SW6010
Magnesium	2620	59	2.4	mg/Kg	01/02/13	EK	SW6010
Manganese	339	3.9	1.6	mg/Kg	01/02/13	EK	SW6010
Sodium	286	5.9	3.4	mg/Kg	01/02/13	EK	SW6010
Nickel	18.4	0.39	0.16	mg/Kg	01/02/13	EK	SW6010
Lead	10.2	0.39	0.24	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.9	3.9	0.79	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.6	mg/Kg	01/02/13	LK	SW6010
Vanadium	43.8	0.39	0.16	mg/Kg	01/02/13	EK	SW6010
Zinc	37.0	0.39	0.39	mg/Kg	01/02/13	EK	SW6010
Percent Solid	87			%	12/28/12	JL	E160.3
Total Cyanide	< 0.57	0.57	0.29	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	75			%	12/31/12	AW	30 - 150 %
% TCMX	76			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	7.2	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	27	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.6	3.6	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.6	3.6	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.1	1.1	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.6	3.6	ug/Kg	01/02/13	MH	SW8081
Chlordane	32	11	11	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.6	3.6	ug/Kg	01/02/13	MH	SW8081
Dieldrin	3.9	1.1	1.1	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.6	3.6	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.1	1.1	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.2	2.2	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.6	3.6	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	36	36	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	74			%	01/02/13	MH	30 - 150 %
% TCMX	66			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260 1P
1,2-Dichlorobenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	29		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	29		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	29		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.7		ug/kg	12/30/12	R/J	SW8260 1
Cyclohexane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	34		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.7		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.7		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.7		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.7		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	107			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	82			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	105			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	102			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	107			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	82			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	102			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	260		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	600		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	260		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	260		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	260		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	260		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	260		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	600		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	450		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	600		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	370		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	260		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	260		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	600		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1100		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	260		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	260		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	260		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	370		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	260		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	260		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	260		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1100		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	260		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	260		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	260		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	260		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	260		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	260		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	260		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	260		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	370		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	260		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	370		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	370		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	260		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	260		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	260		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	86			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	79			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	71			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	76			%	12/30/12	DD	30 - 130 %
% Phenol-d5	76			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	93			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

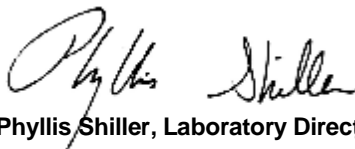
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 13:10

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14041

Project ID: 217 WEST 28TH STREET

Client ID: SB-3 14-16

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.32	0.32	0.19	mg/Kg	01/02/13	EK	SW6010
Aluminum	4830	48	6.4	mg/Kg	01/02/13	EK	SW6010
Arsenic	< 0.6	0.6	0.64	mg/Kg	01/02/13	EK	SW6010
Barium	40.8	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.33	0.25	0.13	mg/Kg	01/02/13	EK	SW6010
Calcium	1780	48	29	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.32	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Cobalt	2.99	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Chromium	10.9	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Copper	10.9	0.32	0.25	mg/kg	01/02/13	EK	SW6010
Iron	8620	48	32	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	884	48	25	mg/Kg	01/02/13	EK	SW6010
Magnesium	2350	48	1.9	mg/Kg	01/02/13	EK	SW6010
Manganese	177	3.2	1.3	mg/Kg	01/02/13	EK	SW6010
Sodium	261	4.8	2.7	mg/Kg	01/02/13	EK	SW6010
Nickel	11.0	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Lead	4.68	0.32	0.19	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.2	3.2	0.64	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.5	0.5	1.3	mg/Kg	01/02/13	LK	SW6010
Vanadium	13.2	0.32	0.13	mg/Kg	01/02/13	EK	SW6010
Zinc	13.3	0.32	0.32	mg/Kg	01/02/13	EK	SW6010
Percent Solid	96			%	12/28/12	JL	E160.3
Total Cyanide	< 0.47	0.47	0.24	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	67	67	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	67	67	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	74			%	12/31/12	AW	30 - 150 %
% TCMX	70			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.5	6.5	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.0	2.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.2	3.2	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	32	32	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	32	32	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	74			%	01/02/13	MH	30 - 150 %
% TCMX	61			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	26		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	26		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	26		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Cyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	31		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	10		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.2		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.2		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	80			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	105			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	101			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	105			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	80			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	101			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	240		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	540		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	540		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	340		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	410		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	540		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	980		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	340		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	540		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	980		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	340		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	240		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	980		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	240		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	340		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	340		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	84			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	84			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	76			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	80			%	12/30/12	DD	30 - 130 %
% Phenol-d5	79			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	93			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

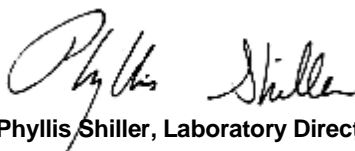
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 13:10
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14042

Project ID: 217 WEST 28TH STREET
Client ID: SB-3D 14-16

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	01/02/13	EK	SW6010
Aluminum	5440	55	7.3	mg/Kg	01/02/13	EK	SW6010
Arsenic	< 0.7	0.7	0.73	mg/Kg	01/02/13	EK	SW6010
Barium	62.9	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.39	0.29	0.15	mg/Kg	01/02/13	EK	SW6010
Calcium	2400	55	34	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Cobalt	3.83	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Chromium	13.6	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Copper	21.0	0.37	0.29	mg/kg	01/02/13	EK	SW6010
Iron	9810	55	37	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.06	0.06	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	1020	55	29	mg/Kg	01/02/13	EK	SW6010
Magnesium	2780	55	2.2	mg/Kg	01/02/13	EK	SW6010
Manganese	357	3.7	1.5	mg/Kg	01/02/13	EK	SW6010
Sodium	323	5.5	3.1	mg/Kg	01/02/13	EK	SW6010
Nickel	14.4	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Lead	5.70	0.37	0.22	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.7	3.7	0.73	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.5	mg/Kg	01/02/13	LK	SW6010
Vanadium	19.0	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Zinc	15.4	0.37	0.37	mg/Kg	01/02/13	EK	SW6010
Percent Solid	95			%	12/28/12	JL	E160.3
Total Cyanide	< 0.44	0.44	0.22	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	69	69	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	69	69	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	80			%	12/31/12	AW	30 - 150 %
% TCMX	78			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.6	6.6	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.3	3.3	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	33	33	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	33	33	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	81			%	01/02/13	MH	30 - 150 %
% TCMX	65			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1,2-Trichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1-Dichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,1-Dichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dibromoethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dichloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,2-Dichloropropane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,3-Dichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
1,4-Dichlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
2-Hexanone	ND	26		ug/kg	01/01/13	R/J	SW8260
4-Methyl-2-pentanone	ND	26		ug/kg	01/01/13	R/J	SW8260
Acetone	ND	32		ug/kg	01/01/13	R/J	SW8260
Benzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromochloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromodichloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromoform	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Bromomethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Carbon Disulfide	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Carbon tetrachloride	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chlorobenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chloroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chloroform	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Chloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Cyclohexane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Dibromochloromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Dichlorodifluoromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Ethylbenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Isopropylbenzene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
m&p-Xylene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Methyl ethyl ketone	ND	32		ug/kg	01/01/13	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	01/01/13	R/J	SW8260
Methylacetate	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Methylcyclohexane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Methylene chloride	ND	5.3		ug/kg	01/01/13	R/J	SW8260
o-Xylene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Styrene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Tetrachloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Toluene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Total Xylenes	ND	5.3		ug/kg	01/01/13	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Trichloroethene	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Trichlorofluoromethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Trichlorotrifluoroethane	ND	5.3		ug/kg	01/01/13	R/J	SW8260
Vinyl chloride	ND	5.3		ug/kg	01/01/13	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/01/13	R/J	70 - 130 %
% Bromofluorobenzene	86			%	01/01/13	R/J	70 - 130 %
% Dibromofluoromethane	103			%	01/01/13	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	101			%	01/01/13	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	01/01/13	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	01/01/13	R/J	70 - 130 %
% Bromofluorobenzene	86			%	01/01/13	R/J	70 - 130 %
% Toluene-d8	101			%	01/01/13	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	240		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	560		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	240		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	560		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	420		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	560		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	560		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	350		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	240		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	240		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	240		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	240		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	350		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	350		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	350		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	240		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	240		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	87			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	82			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	75			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	81			%	12/30/12	DD	30 - 130 %
% Phenol-d5	79			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	94			%	12/30/12	DD	30 - 130 %

Project ID: 217 WEST 28TH STREET
Client ID: SB-3D 14-16

Phoenix I.D.: BD14042

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

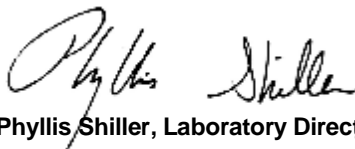
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: GROUND WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 13:35
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14043

Project ID: 217 WEST 28TH STREET
Client ID: TW-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum	< 0.010	0.010	0.0022	mg/L	01/02/13	EK	SW6010
Arsenic	< 0.004	0.004	0.0027	mg/L	01/02/13	EK	SW6010
Barium	0.081	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium	85.2	0.010	0.0023	mg/L	01/02/13	EK	SW6010
Cadmium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt	< 0.002	0.002	0.0008	mg/L	01/02/13	EK	SW6010
Chromium	< 0.001	0.001	0.0007	mg/L	01/02/13	EK	SW6010
Copper	0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum (Dissolved)	< 0.01	0.01	0.0023	mg/L	01/02/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	0.0029	mg/L	01/02/13	EK	SW6010
Barium (Dissolved)	0.079	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium (Dissolved)	78.3	0.01	0.0025	mg/L	01/02/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	0.0009	mg/L	01/02/13	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0008	mg/L	01/02/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Iron (Dissolved)	< 0.011	0.011	0.005	mg/L	01/02/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	12/31/12	RS	SW7470
Potassium (Dissolved)	11.2	0.1	0.0095	mg/L	01/02/13	EK	SW6010
Magnesium (Dissolved)	18.1	0.01	0.0008	mg/L	01/02/13	EK	SW6010
Manganese (Dissolved)	0.066	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium (Dissolved)	54.6	1.1	0.089	mg/L	01/02/13	EK	SW6010
Nickel (Dissolved)	0.003	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.0018	mg/L	01/02/13	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	0.0048	mg/L	01/02/13	EK	SW6010
Selenium (Dissolved)	< 0.010	0.010	0.0061	mg/L	01/02/13	EK	SW6010
Thallium (Dissolved)	< 0.0005	0.0005	0.001	mg/L	01/04/13	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc (Dissolved)	< 0.002	0.002	0.0012	mg/L	01/02/13	EK	SW6010
Iron	0.044	0.010	0.005	mg/L	01/02/13	EK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	12/31/12	RS	SW7470
Potassium	8.3	0.1	0.0089	mg/L	01/02/13	LK	SW6010
Magnesium	19.3	0.01	0.0007	mg/L	01/02/13	EK	SW6010
Manganese	0.073	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium	59.2	0.1	0.0083	mg/L	01/02/13	LK	SW6010
Nickel	0.003	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead	< 0.002	0.002	0.0017	mg/L	01/02/13	EK	SW6010
Antimony	< 0.003	0.003	0.0045	mg/L	01/02/13	EK	SW6010
Selenium	< 0.010	0.010	0.0057	mg/L	01/02/13	EK	SW6010
Thallium	< 0.0005	0.0005	0.001	mg/L	01/04/13	R/P	SW7010
Vanadium	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc	< 0.002	0.002	0.0011	mg/L	01/02/13	EK	SW6010
Filtration	Completed				12/31/12	TH	0.45um Filter
Dissolved Mercury Digestion	Completed				12/31/12	X/X	SW7470
Mercury Digestion	Completed				12/31/12	X/X	SW7470
PCB Extraction	Completed				12/28/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed				12/28/12	L	SW3510
Semi-Volatile Extraction	Completed				12/28/12	I/D	SW3520
Dissolved Metals Preparation	Completed				12/31/12	T	SW846-3005
Total Metals Digestion	Completed				12/28/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1221	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1232	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1242	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1248	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1254	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1260	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1262	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1268	ND	0.050	0.050	ug/L	12/31/12	AW	8082

QA/QC Surrogates

% DCBP	67			%	12/31/12	AW	30 - 150 %
% TCMX	60			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDE	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDT	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
a-BHC	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Alachlor	ND	0.075	0.075	ug/L	01/02/13	MH	SW8081
Aldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
b-BHC	ND	0.005	0.005	ug/L	01/02/13	MH	SW8081
Chlordane	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Dieldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
Endosulfan I	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan II	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan Sulfate	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Endrin Aldehyde	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin ketone	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
g-BHC (Lindane)	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Heptachlor	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Heptachlor epoxide	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Methoxychlor	ND	0.10	0.1	ug/L	01/02/13	MH	SW8081
Toxaphene	ND	0.25	0.25	ug/L	01/02/13	MH	SW8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	88			%	01/02/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	86			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,1,2-Trichloroethane	ND	3.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloroethane	ND	2.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,3-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,4-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
2-Hexanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
4-Methyl-2-pentanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Acetone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Benzene	ND	0.70		ug/L	01/02/13	R/T	SW8260
Bromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromodichloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromoform	ND	5.0		ug/L	01/02/13	R/T	SW8260
Bromomethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Carbon Disulfide	ND	1.0		ug/L	01/02/13	R/T	SW8260
Carbon tetrachloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
Chlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroform	5.8	5.0		ug/L	01/02/13	R/T	SW8260
Chloromethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Cyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Dibromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dichlorodifluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Ethylbenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Isopropylbenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
m&p-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl ethyl ketone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methylacetate	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylcyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylene chloride	ND	3.0		ug/L	01/02/13	R/T	SW8260
o-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Styrene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Tetrachloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Toluene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Total Xylenes	ND	1.0		ug/L	01/02/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	01/02/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Vinyl chloride	ND	1.0		ug/L	01/02/13	R/T	SW8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	99		%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	94		%	01/02/13	R/T	70 - 130 %
% Dibromofluoromethane	96		%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100		%	01/02/13	R/T	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/l	01/02/13	R/T	SW8260B
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QA/QC Surrogates

% 1,2-dichlorobenzene-d4	99		%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	94		%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100		%	01/02/13	R/T	70 - 130 %

Volatile Library Search Top 10

Completed

01/04/13

R/J

1

Semivolatiles

1,1-Biphenyl	ND	0.97	ug/L	12/31/12	DD	SW8270 (SIM)
1,2,4,5-Tetrachlorobenzene	ND	2.2	ug/L	12/31/12	DD	SW8270 (SIM)
Acenaphthylene	ND	0.32	ug/L	12/31/12	DD	SW8270 (SIM)
Atrazine	ND	3.2	ug/L	12/31/12	DD	SW8270 (SIM)
Benz(a)anthracene	0.022	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	2.2	ug/L	12/31/12	DD	SW8270 (SIM)
Chrysene	ND	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.022	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.54	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachloroethane	ND	3.2	ug/L	12/31/12	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	ND	0.022		ug/L	12/31/12	DD	SW8270 (SIM)
N-Nitrosodimethylamine	ND	0.86		ug/L	12/31/12	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.32		ug/L	12/31/12	DD	SW8270 (SIM)
Phenanthrene	ND	0.083		ug/L	12/31/12	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorobiphenyl	63			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorophenol	70			%	12/31/12	DD	SW8270 (SIM)
% Nitrobenzene-d5	83			%	12/31/12	DD	SW8270 (SIM)
% Phenol-d5	73			%	12/31/12	DD	SW8270 (SIM)
% Terphenyl-d14	81			%	12/31/12	DD	SW8270 (SIM)
<u>Semivolatiles</u>							
2,3,4,6-tetrachlorophenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
2,4-Dichlorophenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
2,4-Dimethylphenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrophenol	ND	27		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrotoluene	ND	5.4		ug/L	01/02/13	DD	SW 8270
2,6-Dinitrotoluene	ND	5.4		ug/L	01/02/13	DD	SW 8270
2-Chloronaphthalene	ND	5.4		ug/L	01/02/13	DD	SW 8270
2-Chlorophenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
2-Methylnaphthalene	ND	5.4		ug/L	01/02/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	5.4		ug/L	01/02/13	DD	SW 8270
2-Nitroaniline	ND	27		ug/L	01/02/13	DD	SW 8270
2-Nitrophenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.4		ug/L	01/02/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	11		ug/L	01/02/13	DD	SW 8270
3-Nitroaniline	ND	27		ug/L	01/02/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	27		ug/L	01/02/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.4		ug/L	01/02/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
4-Chloroaniline	ND	11		ug/L	01/02/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.4		ug/L	01/02/13	DD	SW 8270
4-Nitroaniline	ND	27		ug/L	01/02/13	DD	SW 8270
4-Nitrophenol	ND	27		ug/L	01/02/13	DD	SW 8270
Acenaphthene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Acetophenone	ND	5.4		ug/L	01/02/13	DD	SW 8270
Anthracene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Benzaldehyde	ND	5.4		ug/L	01/02/13	DD	SW 8270
Benzo(ghi)perylene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Benzyl butyl phthalate	ND	5.4		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.4		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	5.4		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.4		ug/L	01/02/13	DD	SW 8270
Caprolactam	ND	5.4		ug/L	01/02/13	DD	SW 8270
Carbazole	ND	27		ug/L	01/02/13	DD	SW 8270
Dibenzofuran	ND	5.4		ug/L	01/02/13	DD	SW 8270
Diethyl phthalate	ND	5.4		ug/L	01/02/13	DD	SW 8270

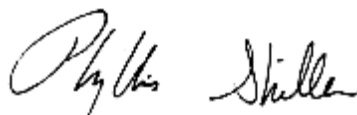
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	5.4		ug/L	01/02/13	DD	SW 8270
Di-n-butylphthalate	ND	5.4		ug/L	01/02/13	DD	SW 8270
Di-n-octylphthalate	ND	5.4		ug/L	01/02/13	DD	SW 8270
Fluoranthene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Fluorene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Isophorone	ND	5.4		ug/L	01/02/13	DD	SW 8270
Naphthalene	ND	5.4		ug/L	01/02/13	DD	SW 8270
Nitrobenzene	ND	5.4		ug/L	01/02/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.4		ug/L	01/02/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.4		ug/L	01/02/13	DD	SW 8270
Phenol	ND	5.4		ug/L	01/02/13	DD	SW 8270
Pyrene	ND	5.4		ug/L	01/02/13	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70			%	01/02/13	DD	SW 8270
% 2-Fluorobiphenyl	63			%	01/02/13	DD	SW 8270
% 2-Fluorophenol	70			%	01/02/13	DD	SW 8270
% Nitrobenzene-d5	83			%	01/02/13	DD	SW 8270
% Phenol-d5	73			%	01/02/13	DD	SW 8270
% Terphenyl-d14	81			%	01/02/13	DD	SW 8270

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: GROUND WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12

Time

13:45

12/28/12

17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14044

Project ID: 217 WEST 28TH STREET

Client ID: TW-3D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum	< 0.010	0.010	0.0022	mg/L	01/02/13	LK	SW6010
Arsenic	< 0.004	0.004	0.0027	mg/L	01/02/13	EK	SW6010
Barium	0.081	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium	81.3	0.010	0.0023	mg/L	01/02/13	EK	SW6010
Cadmium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt	< 0.002	0.002	0.0008	mg/L	01/02/13	EK	SW6010
Chromium	< 0.001	0.001	0.0007	mg/L	01/02/13	EK	SW6010
Copper	< 0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum (Dissolved)	< 0.01	0.01	0.0023	mg/L	01/02/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	0.0029	mg/L	01/02/13	EK	SW6010
Barium (Dissolved)	0.079	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium (Dissolved)	78.3	0.01	0.0025	mg/L	01/02/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	0.0009	mg/L	01/02/13	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0008	mg/L	01/02/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Iron (Dissolved)	< 0.011	0.011	0.005	mg/L	01/02/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	12/31/12	RS	SW7470
Potassium (Dissolved)	11.2	0.1	0.0095	mg/L	01/02/13	EK	SW6010
Magnesium (Dissolved)	18.4	0.01	0.0008	mg/L	01/02/13	EK	SW6010
Manganese (Dissolved)	0.068	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium (Dissolved)	55.3	0.11	0.0089	mg/L	01/02/13	LK	SW6010
Nickel (Dissolved)	0.003	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.0018	mg/L	01/02/13	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	0.0048	mg/L	01/02/13	EK	SW6010
Selenium (Dissolved)	< 0.010	0.010	0.0061	mg/L	01/02/13	EK	SW6010
Thallium (Dissolved)	< 0.0005	0.0005	0.001	mg/L	01/04/13	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc (Dissolved)	< 0.002	0.002	0.0012	mg/L	01/02/13	EK	SW6010
Iron	0.019	0.010	0.005	mg/L	01/02/13	EK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	12/31/12	RS	SW7470
Potassium	10.8	0.1	0.0089	mg/L	01/02/13	LK	SW6010
Magnesium	19.5	0.01	0.0007	mg/L	01/02/13	EK	SW6010
Manganese	0.072	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium	53.4	1.0	0.083	mg/L	01/03/13	EK	SW6010
Nickel	0.003	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead	< 0.002	0.002	0.0017	mg/L	01/02/13	EK	SW6010
Antimony	< 0.003	0.003	0.0045	mg/L	01/02/13	EK	SW6010
Selenium	< 0.010	0.010	0.0057	mg/L	01/02/13	EK	SW6010
Thallium	< 0.0005	0.0005	0.001	mg/L	01/04/13	R/P	SW7010
Vanadium	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc	< 0.002	0.002	0.0011	mg/L	01/02/13	EK	SW6010
Filtration	Completed				12/31/12	TH	0.45um Filter
Dissolved Mercury Digestion	Completed				12/31/12	X/X	SW7470
Mercury Digestion	Completed				12/31/12	X/X	SW7470
PCB Extraction	Completed				12/28/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed				12/28/12	L	SW3510
Semi-Volatile Extraction	Completed				12/28/12	I/D	SW3520
Dissolved Metals Preparation	Completed				12/31/12	T	SW846-3005
Total Metals Digestion	Completed				12/28/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1221	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1232	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1242	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1248	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1254	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1260	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1262	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1268	ND	0.050	0.050	ug/L	12/31/12	AW	8082

QA/QC Surrogates

% DCBP	61			%	12/31/12	AW	30 - 150 %
% TCMX	60			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDE	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDT	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
a-BHC	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Alachlor	ND	0.075	0.075	ug/L	01/02/13	MH	SW8081
Aldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
b-BHC	ND	0.005	0.005	ug/L	01/02/13	MH	SW8081
Chlordane	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Dieldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
Endosulfan I	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan II	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan Sulfate	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Endrin Aldehyde	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin ketone	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
g-BHC (Lindane)	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Heptachlor	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Heptachlor epoxide	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Methoxychlor	ND	0.10	0.1	ug/L	01/02/13	MH	SW8081
Toxaphene	ND	0.25	0.25	ug/L	01/02/13	MH	SW8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	78			%	01/02/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	75			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,1,2-Trichloroethane	ND	3.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloroethane	ND	2.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,3-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,4-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
2-Hexanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
4-Methyl-2-pentanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Acetone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Benzene	ND	0.70		ug/L	01/02/13	R/T	SW8260
Bromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromodichloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromoform	ND	5.0		ug/L	01/02/13	R/T	SW8260
Bromomethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Carbon Disulfide	ND	1.0		ug/L	01/02/13	R/T	SW8260
Carbon tetrachloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
Chlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroform	6.0	5.0		ug/L	01/02/13	R/T	SW8260
Chloromethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Cyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Dibromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dichlorodifluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Ethylbenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Isopropylbenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
m&p-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl ethyl ketone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methylacetate	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylcyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylene chloride	ND	3.0		ug/L	01/02/13	R/T	SW8260
o-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Styrene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Tetrachloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Toluene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Total Xylenes	ND	1.0		ug/L	01/02/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	01/02/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Vinyl chloride	ND	1.0		ug/L	01/02/13	R/T	SW8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	100		%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	95		%	01/02/13	R/T	70 - 130 %
% Dibromofluoromethane	100		%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100		%	01/02/13	R/T	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/l	01/02/13	R/T	SW8260B
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QA/QC Surrogates

% 1,2-dichlorobenzene-d4	100		%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	95		%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100		%	01/02/13	R/T	70 - 130 %

Volatile Library Search Top 10

Completed

01/04/13

R/J

1

Semivolatiles

1,1-Biphenyl	ND	0.90	ug/L	12/31/12	DD	SW8270 (SIM)
1,2,4,5-Tetrachlorobenzene	ND	2.0	ug/L	12/31/12	DD	SW8270 (SIM)
Acenaphthylene	ND	0.30	ug/L	12/31/12	DD	SW8270 (SIM)
Atrazine	ND	3.0	ug/L	12/31/12	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/L	12/31/12	DD	SW8270 (SIM)
Chrysene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachloroethane	ND	3.0	ug/L	12/31/12	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	ND	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
N-Nitrosodimethylamine	ND	0.80		ug/L	12/31/12	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.30		ug/L	12/31/12	DD	SW8270 (SIM)
Phenanthrene	ND	0.077		ug/L	12/31/12	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorobiphenyl	62			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorophenol	59			%	12/31/12	DD	SW8270 (SIM)
% Nitrobenzene-d5	79			%	12/31/12	DD	SW8270 (SIM)
% Phenol-d5	58			%	12/31/12	DD	SW8270 (SIM)
% Terphenyl-d14	92			%	12/31/12	DD	SW8270 (SIM)
<u>Semivolatiles</u>							
2,3,4,6-tetrachlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dimethylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chloronaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylnaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
2-Nitrophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	10		ug/L	01/02/13	DD	SW 8270
3-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	25		ug/L	01/02/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloroaniline	ND	10		ug/L	01/02/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4-Nitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
Acenaphthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Acetophenone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Anthracene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzaldehyde	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzo(ghi)perylene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzyl butyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Caprolactam	ND	5.0		ug/L	01/02/13	DD	SW 8270
Carbazole	ND	25		ug/L	01/02/13	DD	SW 8270
Dibenzofuran	ND	5.0		ug/L	01/02/13	DD	SW 8270
Diethyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270

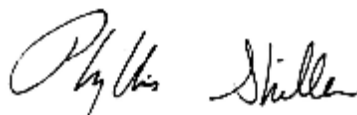
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-butylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-octylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluoranthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluorene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Isophorone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Naphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Nitrobenzene	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
Phenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
Pyrene	ND	5.0		ug/L	01/02/13	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70			%	01/02/13	DD	SW 8270
% 2-Fluorobiphenyl	62			%	01/02/13	DD	SW 8270
% 2-Fluorophenol	59			%	01/02/13	DD	SW 8270
% Nitrobenzene-d5	79			%	01/02/13	DD	SW 8270
% Phenol-d5	58			%	01/02/13	DD	SW 8270
% Terphenyl-d14	92			%	01/02/13	DD	SW 8270

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

12/27/12 14:25

12/28/12 17:58

Laboratory Data

SDG ID: GBD14031

Phoenix ID: BD14045

Project ID: 217 WEST 28TH STREET

Client ID: SB-5A 6-7

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.22	mg/Kg	01/02/13	EK	SW6010
Aluminum	6870	54	7.3	mg/Kg	01/02/13	EK	SW6010
Arsenic	0.8	0.7	0.73	mg/Kg	01/02/13	EK	SW6010
Barium	61.7	0.36	0.15	mg/Kg	01/02/13	EK	SW6010
Beryllium	0.40	0.29	0.15	mg/Kg	01/02/13	EK	SW6010
Calcium	3960	54	33	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.36	0.36	0.15	mg/Kg	01/02/13	EK	SW6010
Cobalt	6.03	0.36	0.15	mg/Kg	01/02/13	EK	SW6010
Chromium	41.9	0.36	0.15	mg/Kg	01/02/13	EK	SW6010
Copper	28.1	0.36	0.29	mg/kg	01/02/13	EK	SW6010
Iron	13600	54	36	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.08	0.08		mg/Kg	01/02/13	RS	SW-7471
Potassium	1490	54	28	mg/Kg	01/02/13	EK	SW6010
Magnesium	3440	54	2.2	mg/Kg	01/02/13	EK	SW6010
Manganese	137	3.6	1.5	mg/Kg	01/02/13	EK	SW6010
Sodium	468	5.4	3.1	mg/Kg	01/02/13	EK	SW6010
Nickel	58.2	0.36	0.15	mg/Kg	01/02/13	EK	SW6010
Lead	8.58	0.36	0.22	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.6	3.6	0.73	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.5	mg/Kg	01/02/13	LK	SW6010
Vanadium	29.6	0.36	0.15	mg/Kg	01/02/13	EK	SW6010
Zinc	20.5	0.36	0.36	mg/Kg	01/02/13	EK	SW6010
Percent Solid	93			%	12/28/12	JL	E160.3
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	75			%	12/31/12	AW	30 - 150 %
% TCMX	72			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.4	3.4	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.4	3.4	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.4	3.4	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	10	10	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.4	3.4	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.4	3.4	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.7	6.7	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.7	6.7	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.7	6.7	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.7	6.7	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.7	6.7	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.0	1.0	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.1	2.1	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.4	3.4	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	34	34	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	34	34	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	80			%	01/02/13	MH	30 - 150 %
% TCMX	64			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	27		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	27		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	27		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Cyclohexane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	32		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.4		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.4		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.4		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.4		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	86			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	102			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	105			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	86			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	105			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	250		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	570		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	570		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	350		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	420		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	570		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	350		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	250		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	570		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	250		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	350		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	250		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	250		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1000		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	250		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	250		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	250		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	250		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	350		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	350		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	350		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	85			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	83			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	85			%	12/30/12	DD	30 - 130 %
% Phenol-d5	88			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	97			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

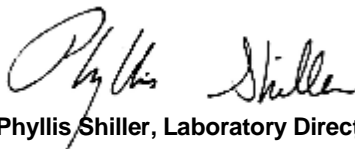
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: SOIL
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 14:30
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14046

Project ID: 217 WEST 28TH STREET

Client ID: SB-5A 3-5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.22	mg/Kg	01/02/13	EK	SW6010
Aluminum	5150	56	7.4	mg/Kg	01/02/13	EK	SW6010
Arsenic	1.2	0.7	0.74	mg/Kg	01/02/13	EK	SW6010
Barium	29.5	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Beryllium	< 0.30	0.30	0.15	mg/Kg	01/02/13	EK	SW6010
Calcium	3580	56	34	mg/Kg	01/02/13	EK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Cobalt	3.39	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Chromium	11.0	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Copper	8.51	0.37	0.30	mg/kg	01/02/13	EK	SW6010
Iron	7420	56	37	mg/Kg	01/02/13	EK	SW6010
Mercury	< 0.07	0.07	0.04	mg/Kg	01/02/13	RS	SW-7471
Potassium	941	56	29	mg/Kg	01/02/13	EK	SW6010
Magnesium	2160	56	2.2	mg/Kg	01/02/13	EK	SW6010
Manganese	88.0	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Sodium	141	5.6	3.2	mg/Kg	01/02/13	EK	SW6010
Nickel	8.85	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Lead	5.68	0.37	0.22	mg/Kg	01/02/13	EK	SW6010
Antimony	< 3.7	3.7	0.74	mg/Kg	01/02/13	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	01/02/13	EK	SW6010
Thallium	< 0.6	0.6	1.5	mg/Kg	01/02/13	EK	SW6010
Vanadium	11.3	0.37	0.15	mg/Kg	01/02/13	EK	SW6010
Zinc	17.3	0.37	0.37	mg/Kg	01/02/13	EK	SW6010
Percent Solid	90			%	12/28/12	JL	E160.3
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	01/02/13	O/GD	SW 9010/9012
Soil Extraction for PCB	Completed				12/28/12	BB/V	SW3545
Soil Extraction for Pesticide	Completed				12/28/12	BB	SW3545
Soil Extraction for SVOA	Completed				12/28/12	BJ/TV	SW3545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Mercury Digestion	Completed				01/02/13	X/X	SW7471
Total Metals Digest	Completed				12/28/12	AG	SW846 - 3050

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1221	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1232	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1242	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1248	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1254	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1260	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	12/31/12	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	12/31/12	AW	SW 8082

QA/QC Surrogates

% DCBP	74			%	12/31/12	AW	30 - 150 %
% TCMX	70			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	2.2	2.2	ug/Kg	01/02/13	MH	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/02/13	MH	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/02/13	MH	SW8081
a-BHC	ND	3.5	3.5	ug/Kg	01/02/13	MH	SW8081
Alachlor	ND	3.5	3.5	ug/Kg	01/02/13	MH	SW8081
Aldrin	ND	1.1	1.1	ug/Kg	01/02/13	MH	SW8081
b-BHC	ND	3.5	3.5	ug/Kg	01/02/13	MH	SW8081
Chlordane	ND	11	11	ug/Kg	01/02/13	MH	SW8081
d-BHC	ND	3.5	3.5	ug/Kg	01/02/13	MH	SW8081
Dieldrin	ND	1.1	1.1	ug/Kg	01/02/13	MH	SW8081
Endosulfan I	ND	3.5	3.5	ug/Kg	01/02/13	MH	SW8081
Endosulfan II	ND	6.9	6.9	ug/Kg	01/02/13	MH	SW8081
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	01/02/13	MH	SW8081
Endrin	ND	6.9	6.9	ug/Kg	01/02/13	MH	SW8081
Endrin aldehyde	ND	6.9	6.9	ug/Kg	01/02/13	MH	SW8081
Endrin ketone	ND	6.9	6.9	ug/Kg	01/02/13	MH	SW8081
g-BHC	ND	1.1	1.1	ug/Kg	01/02/13	MH	SW8081
Heptachlor	ND	2.2	2.2	ug/Kg	01/02/13	MH	SW8081
Heptachlor epoxide	ND	3.5	3.5	ug/Kg	01/02/13	MH	SW8081
Methoxychlor	ND	35	35	ug/Kg	01/02/13	MH	SW8081
Toxaphene	ND	35	35	ug/Kg	01/02/13	MH	SW8081

QA/QC Surrogates

% DCBP	79			%	01/02/13	MH	30 - 150 %
% TCMX	64			%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,4-Trichlorobenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
2-Hexanone	ND	28		ug/kg	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	28		ug/kg	12/30/12	R/J	SW8260
Acetone	ND	28		ug/kg	12/30/12	R/J	SW8260
Benzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Bromochloromethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Bromodichloromethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Bromoform	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Bromomethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Carbon Disulfide	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Chloroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Chloroform	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Chloromethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Cyclohexane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Dibromochloromethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Isopropylbenzene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
m&p-Xylene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	33		ug/kg	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	11		ug/kg	12/30/12	R/J	SW8260
Methylacetate	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Methylene chloride	ND	5.6		ug/kg	12/30/12	R/J	SW8260
o-Xylene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Styrene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Tetrachloroethene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Toluene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Total Xylenes	ND	5.6		ug/kg	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Trichloroethene	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	5.6		ug/kg	12/30/12	R/J	SW8260
Vinyl chloride	ND	5.6		ug/kg	12/30/12	R/J	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	87			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	103			%	12/30/12	R/J	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
% Toluene-d8	104			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	100	ug/kg	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	87			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	104			%	12/30/12	R/J	70 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	250		ug/Kg	12/30/12	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4,5-Trichlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4,6-Trichlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4-Dichlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4-Dimethylphenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrophenol	ND	580		ug/Kg	12/30/12	DD	SW 8270
2,4-Dinitrotoluene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2,6-Dinitrotoluene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Chloronaphthalene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Chlorophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Methylnaphthalene	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Methylphenol (o-cresol)	ND	250		ug/Kg	12/30/12	DD	SW 8270
2-Nitroaniline	ND	580		ug/Kg	12/30/12	DD	SW 8270
2-Nitrophenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360		ug/Kg	12/30/12	DD	SW 8270
3,3'-Dichlorobenzidine	ND	440		ug/Kg	12/30/12	DD	SW 8270
3-Nitroaniline	ND	580		ug/Kg	12/30/12	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100		ug/Kg	12/30/12	DD	SW 8270
4-Bromophenyl phenyl ether	ND	360		ug/Kg	12/30/12	DD	SW 8270
4-Chloro-3-methylphenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
4-Chloroaniline	ND	250		ug/Kg	12/30/12	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	250		ug/Kg	12/30/12	DD	SW 8270
4-Nitroaniline	ND	580		ug/Kg	12/30/12	DD	SW 8270
4-Nitrophenol	ND	1100		ug/Kg	12/30/12	DD	SW 8270
Acenaphthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Acenaphthylene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Acetophenone	ND	250		ug/Kg	12/30/12	DD	SW 8270
Anthracene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Atrazine	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benz(a)anthracene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzaldehyde	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(a)pyrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(b)fluoranthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(ghi)perylene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzo(k)fluoranthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Benzyl butyl phthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	250		ug/Kg	12/30/12	DD	SW 8270
Bis(2-chloroethyl)ether	ND	360		ug/Kg	12/30/12	DD	SW 8270

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroisopropyl)ether	ND	250		ug/Kg	12/30/12	DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Caprolactam	ND	250		ug/Kg	12/30/12	DD	SW 8270
Carbazole	ND	1100		ug/Kg	12/30/12	DD	SW 8270
Chrysene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Dibenz(a,h)anthracene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Dibenzofuran	ND	250		ug/Kg	12/30/12	DD	SW 8270
Diethyl phthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Dimethylphthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Di-n-butylphthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Di-n-octylphthalate	ND	250		ug/Kg	12/30/12	DD	SW 8270
Fluoranthene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Fluorene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobenzene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachlorobutadiene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachlorocyclopentadiene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Hexachloroethane	ND	250		ug/Kg	12/30/12	DD	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Isophorone	ND	250		ug/Kg	12/30/12	DD	SW 8270
Naphthalene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Nitrobenzene	ND	250		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodimethylamine	ND	360		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	250		ug/Kg	12/30/12	DD	SW 8270
N-Nitrosodiphenylamine	ND	360		ug/Kg	12/30/12	DD	SW 8270
Pentachlorophenol	ND	360		ug/Kg	12/30/12	DD	SW 8270
Phenanthrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
Phenol	ND	250		ug/Kg	12/30/12	DD	SW 8270
Pyrene	ND	250		ug/Kg	12/30/12	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	100			%	12/30/12	DD	30 - 130 %
% 2-Fluorobiphenyl	89			%	12/30/12	DD	30 - 130 %
% 2-Fluorophenol	86			%	12/30/12	DD	30 - 130 %
% Nitrobenzene-d5	89			%	12/30/12	DD	30 - 130 %
% Phenol-d5	91			%	12/30/12	DD	30 - 130 %
% Terphenyl-d14	101			%	12/30/12	DD	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

1P = This parameter is pending certification by NY NELAC for this matrix.

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

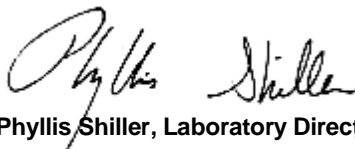
Comments:

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: GROUND WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 14:35
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14047

Project ID: 217 WEST 28TH STREET
Client ID: TW-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum	< 0.010	0.010	0.0022	mg/L	01/02/13	LK	SW6010
Arsenic	< 0.004	0.004	0.0027	mg/L	01/02/13	EK	SW6010
Barium	0.182	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium	69.0	0.010	0.0023	mg/L	01/02/13	EK	SW6010
Cadmium	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt	< 0.002	0.002	0.0008	mg/L	01/02/13	EK	SW6010
Chromium	< 0.001	0.001	0.0007	mg/L	01/02/13	EK	SW6010
Copper	0.006	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Silver (Dissolved)	< 0.001	0.001	0.0003	mg/L	01/02/13	EK	SW6010
Aluminum (Dissolved)	0.11	0.01	0.0023	mg/L	01/02/13	EK	SW6010
Arsenic (Dissolved)	< 0.004	0.004	0.0029	mg/L	01/02/13	EK	SW6010
Barium (Dissolved)	0.182	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Beryllium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Calcium (Dissolved)	65.1	0.01	0.0025	mg/L	01/02/13	EK	SW6010
Cadmium (Dissolved)	< 0.001	0.001	0.0002	mg/L	01/02/13	EK	SW6010
Cobalt (Dissolved)	< 0.001	0.001	0.0009	mg/L	01/02/13	EK	SW6010
Chromium (Dissolved)	< 0.001	0.001	0.0008	mg/L	01/02/13	EK	SW6010
Copper (Dissolved)	< 0.005	0.005	0.0004	mg/L	01/02/13	EK	SW6010
Iron (Dissolved)	< 0.011	0.011	0.005	mg/L	01/02/13	EK	SW6010
Mercury (Dissolved)	< 0.0002	0.0002	0.00015	mg/L	01/02/13	RS	SW7470
Potassium (Dissolved)	16.6	0.1	0.0095	mg/L	01/02/13	EK	SW6010
Magnesium (Dissolved)	19.7	0.01	0.0008	mg/L	01/02/13	EK	SW6010
Manganese (Dissolved)	0.270	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium (Dissolved)	130	1.1	0.089	mg/L	01/03/13	LK	SW6010
Nickel (Dissolved)	0.004	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead (Dissolved)	< 0.002	0.002	0.0018	mg/L	01/02/13	EK	SW6010

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Antimony (Dissolved)	< 0.003	0.003	0.0048	mg/L	01/02/13	EK	SW6010
Selenium (Dissolved)	< 0.010	0.010	0.0061	mg/L	01/02/13	EK	SW6010
Thallium (Dissolved)	< 0.0005	0.0005	0.001	mg/L	01/04/13	RS	SW7010
Vanadium (Dissolved)	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc (Dissolved)	< 0.002	0.002	0.0012	mg/L	01/02/13	EK	SW6010
Iron	0.025	0.010	0.005	mg/L	01/02/13	EK	SW6010
Mercury	< 0.0002	0.0002	0.00015	mg/L	01/02/13	RS	SW7470
Potassium	16.8	0.1	0.0089	mg/L	01/02/13	LK	SW6010
Magnesium	21.6	0.01	0.0007	mg/L	01/02/13	EK	SW6010
Manganese	0.288	0.001	0.0001	mg/L	01/02/13	EK	SW6010
Sodium	122	1.0	0.083	mg/L	01/03/13	EK	SW6010
Nickel	0.005	0.001	0.0005	mg/L	01/02/13	EK	SW6010
Lead	< 0.002	0.002	0.0017	mg/L	01/02/13	EK	SW6010
Antimony	< 0.003	0.003	0.0045	mg/L	01/02/13	EK	SW6010
Selenium	< 0.010	0.010	0.0057	mg/L	01/02/13	EK	SW6010
Thallium	< 0.0005	0.0005	0.001	mg/L	01/04/13	R/P	SW7010
Vanadium	< 0.002	0.002	0.0003	mg/L	01/02/13	EK	SW6010
Zinc	< 0.002	0.002	0.0011	mg/L	01/02/13	EK	SW6010
Filtration	Completed				12/31/12	TH	0.45um Filter
Dissolved Mercury Digestion	Completed				01/02/13	X/X	SW7470
Mercury Digestion	Completed				01/02/13	X/X	SW7470
PCB Extraction	Completed				12/28/12	L	SW3510C
Extraction for Pest (2 Liter)	Completed				12/28/12	L	SW3510
Semi-Volatile Extraction	Completed				12/28/12	I/D	SW3520
Dissolved Metals Preparation	Completed				12/31/12	T	SW846-3005
Total Metals Digestion	Completed				12/28/12	AG	

Polychlorinated Biphenyls

PCB-1016	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1221	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1232	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1242	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1248	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1254	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1260	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1262	ND	0.050	0.050	ug/L	12/31/12	AW	8082
PCB-1268	ND	0.050	0.050	ug/L	12/31/12	AW	8082

QA/QC Surrogates

% DCBP	72			%	12/31/12	AW	30 - 150 %
% TCMX	73			%	12/31/12	AW	30 - 150 %

Pesticides

4,4' -DDD	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDE	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
4,4' -DDT	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
a-BHC	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Alachlor	ND	0.075	0.075	ug/L	01/02/13	MH	SW8081
Aldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
b-BHC	ND	0.005	0.005	ug/L	01/02/13	MH	SW8081
Chlordane	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
d-BHC	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Dieldrin	ND	0.002	0.002	ug/L	01/02/13	MH	SW8081
Endosulfan I	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan II	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endosulfan Sulfate	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Endrin Aldehyde	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
Endrin ketone	ND	0.050	0.05	ug/L	01/02/13	MH	SW8081
g-BHC (Lindane)	ND	0.025	0.025	ug/L	01/02/13	MH	SW8081
Heptachlor	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Heptachlor epoxide	ND	0.010	0.01	ug/L	01/02/13	MH	SW8081
Methoxychlor	ND	0.10	0.1	ug/L	01/02/13	MH	SW8081
Toxaphene	ND	0.25	0.25	ug/L	01/02/13	MH	SW8081

QA/QC Surrogates

%DCBP (Surrogate Rec)	74		%	01/02/13	MH	30 - 150 %
%TCMX (Surrogate Rec)	77		%	01/02/13	MH	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/02/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,1,2-Trichloroethane	ND	3.0	ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethane	ND	5.0	ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/L	01/02/13	R/T	SW8260
1,2-Dichloroethane	ND	2.0	ug/L	01/02/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0	ug/L	01/02/13	R/T	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/L	01/02/13	R/T	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/L	01/02/13	R/T	SW8260
2-Hexanone	ND	1.0	ug/L	01/02/13	R/T	SW8260
4-Methyl-2-pentanone	ND	1.0	ug/L	01/02/13	R/T	SW8260
Acetone	ND	1.0	ug/L	01/02/13	R/T	SW8260
Benzene	ND	0.70	ug/L	01/02/13	R/T	SW8260
Bromochloromethane	ND	1.0	ug/L	01/02/13	R/T	SW8260
Bromodichloromethane	ND	1.0	ug/L	01/02/13	R/T	SW8260
Bromoform	ND	5.0	ug/L	01/02/13	R/T	SW8260
Bromomethane	ND	5.0	ug/L	01/02/13	R/T	SW8260
Carbon Disulfide	ND	1.0	ug/L	01/02/13	R/T	SW8260
Carbon tetrachloride	ND	1.0	ug/L	01/02/13	R/T	SW8260
Chlorobenzene	ND	5.0	ug/L	01/02/13	R/T	SW8260
Chloroethane	ND	5.0	ug/L	01/02/13	R/T	SW8260
Chloroform	ND	5.0	ug/L	01/02/13	R/T	SW8260
Chloromethane	ND	5.0	ug/L	01/02/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0	ug/L	01/02/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0	ug/L	01/02/13	R/T	SW8260
Cyclohexane	ND	5.0	ug/L	01/02/13	R/T	SW8260
Dibromochloromethane	ND	1.0	ug/L	01/02/13	R/T	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dichlorodifluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Ethylbenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Isopropylbenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
m&p-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl ethyl ketone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methylacetate	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylcyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylene chloride	ND	3.0		ug/L	01/02/13	R/T	SW8260
o-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Styrene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Tetrachloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Toluene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Total Xylenes	ND	1.0		ug/L	01/02/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	01/02/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Vinyl chloride	ND	1.0		ug/L	01/02/13	R/T	SW8260

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	100		%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	90		%	01/02/13	R/T	70 - 130 %
% Dibromofluoromethane	101		%	01/02/13	R/T	70 - 130 %
% Toluene-d8	101		%	01/02/13	R/T	70 - 130 %

1,4-dioxane

1,4-dioxane	ND	100	ug/l	01/02/13	R/T	SW8260B
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QA/QC Surrogates

% 1,2-dichlorobenzene-d4	100		%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	90		%	01/02/13	R/T	70 - 130 %
% Toluene-d8	101		%	01/02/13	R/T	70 - 130 %

Volatile Library Search Top 10

Completed

01/04/13

R/J

1

Semivolatiles

1,1-Biphenyl	ND	0.90	ug/L	12/31/12	DD	SW8270 (SIM)
1,2,4,5-Tetrachlorobenzene	ND	2.0	ug/L	12/31/12	DD	SW8270 (SIM)
Acenaphthylene	ND	0.30	ug/L	12/31/12	DD	SW8270 (SIM)
Atrazine	ND	3.0	ug/L	12/31/12	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Bis(2-ethylhexyl)phthalate	ND	2.0	ug/L	12/31/12	DD	SW8270 (SIM)
Chrysene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.020	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50	ug/L	12/31/12	DD	SW8270 (SIM)
Hexachloroethane	ND	3.0	ug/L	12/31/12	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Indeno(1,2,3-cd)pyrene	ND	0.020		ug/L	12/31/12	DD	SW8270 (SIM)
N-Nitrosodimethylamine	ND	0.80		ug/L	12/31/12	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.30		ug/L	12/31/12	DD	SW8270 (SIM)
Phenanthrene	ND	0.077		ug/L	12/31/12	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorobiphenyl	64			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorophenol	54			%	12/31/12	DD	SW8270 (SIM)
% Nitrobenzene-d5	79			%	12/31/12	DD	SW8270 (SIM)
% Phenol-d5	56			%	12/31/12	DD	SW8270 (SIM)
% Terphenyl-d14	90			%	12/31/12	DD	SW8270 (SIM)
<u>Semivolatiles</u>							
2,3,4,6-tetrachlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dimethylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chloronaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylnaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
2-Nitrophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	10		ug/L	01/02/13	DD	SW 8270
3-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	25		ug/L	01/02/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloroaniline	ND	10		ug/L	01/02/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4-Nitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
Acenaphthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Acetophenone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Anthracene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzaldehyde	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzo(ghi)perylene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzyl butyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Caprolactam	ND	5.0		ug/L	01/02/13	DD	SW 8270
Carbazole	ND	25		ug/L	01/02/13	DD	SW 8270
Dibenzofuran	ND	5.0		ug/L	01/02/13	DD	SW 8270
Diethyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270

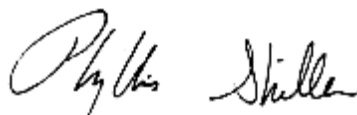
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dimethylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-butylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-octylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluoranthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluorene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Isophorone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Naphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Nitrobenzene	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
Phenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
Pyrene	ND	5.0		ug/L	01/02/13	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	70			%	01/02/13	DD	SW 8270
% 2-Fluorobiphenyl	64			%	01/02/13	DD	SW 8270
% 2-Fluorophenol	54			%	01/02/13	DD	SW 8270
% Nitrobenzene-d5	79			%	01/02/13	DD	SW 8270
% Phenol-d5	56			%	01/02/13	DD	SW 8270
% Terphenyl-d14	90			%	01/02/13	DD	SW 8270

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 15:05
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14048

Project ID: 217 WEST 28TH STREET
Client ID: FB-SOIL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Semi-Volatile Extraction	Completed				12/31/12	I/x	SW3520

Volatiles

1,1,1-Trichloroethane	ND	5.0		ug/L	12/30/12	R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,1,2-Trichloroethane	ND	3.0		ug/L	12/30/12	R/J	SW8260
1,1-Dichloroethane	ND	5.0		ug/L	12/30/12	R/J	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,2-Dichlorobenzene	ND	5.0		ug/L	12/30/12	R/J	SW8260
1,2-Dichloroethane	ND	2.0		ug/L	12/30/12	R/J	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	12/30/12	R/J	SW8260
1,3-Dichlorobenzene	ND	5.0		ug/L	12/30/12	R/J	SW8260
1,4-Dichlorobenzene	ND	5.0		ug/L	12/30/12	R/J	SW8260
2-Hexanone	ND	1.0		ug/L	12/30/12	R/J	SW8260
4-Methyl-2-pentanone	ND	1.0		ug/L	12/30/12	R/J	SW8260
Acetone	ND	30		ug/L	12/30/12	R/J	SW8260
Benzene	ND	0.70		ug/L	12/30/12	R/J	SW8260
Bromochloromethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
Bromodichloromethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
Bromoform	ND	5.0		ug/L	12/30/12	R/J	SW8260
Bromomethane	ND	5.0		ug/L	12/30/12	R/J	SW8260
Carbon Disulfide	ND	1.0		ug/L	12/30/12	R/J	SW8260
Carbon tetrachloride	ND	1.0		ug/L	12/30/12	R/J	SW8260
Chlorobenzene	ND	5.0		ug/L	12/30/12	R/J	SW8260
Chloroethane	ND	5.0		ug/L	12/30/12	R/J	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Chloroform	ND	5.0		ug/L	12/30/12	R/J	SW8260
Chloromethane	ND	5.0		ug/L	12/30/12	R/J	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	12/30/12	R/J	SW8260
cis-1,3-Dichloropropene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Cyclohexane	ND	5.0		ug/L	12/30/12	R/J	SW8260
Dibromochloromethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
Dichlorodifluoromethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
Ethylbenzene	ND	5.0		ug/L	12/30/12	R/J	SW8260
Isopropylbenzene	ND	1.0		ug/L	12/30/12	R/J	SW8260
m&p-Xylene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Methyl ethyl ketone	ND	10		ug/L	12/30/12	R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	12/30/12	R/J	SW8260
Methylacetate	ND	5.0		ug/L	12/30/12	R/J	SW8260
Methylcyclohexane	ND	5.0		ug/L	12/30/12	R/J	SW8260
Methylene chloride	ND	3.0		ug/L	12/30/12	R/J	SW8260
o-Xylene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Styrene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Tetrachloroethene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Toluene	ND	5.0		ug/L	12/30/12	R/J	SW8260
Total Xylenes	ND	1.0		ug/L	12/30/12	R/J	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	12/30/12	R/J	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Trichloroethene	ND	1.0		ug/L	12/30/12	R/J	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	12/30/12	R/J	SW8260
Vinyl chloride	ND	1.0		ug/L	12/30/12	R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	92			%	12/30/12	R/J	70 - 130 %
% Dibromofluoromethane	101			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	103			%	12/30/12	R/J	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100		ug/l	12/30/12	R/J	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102			%	12/30/12	R/J	70 - 130 %
% Bromofluorobenzene	92			%	12/30/12	R/J	70 - 130 %
% Toluene-d8	103			%	12/30/12	R/J	70 - 130 %
Volatile Library Search Top 10	Completed				01/04/13	R/J	
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	0.90		ug/L	01/02/13	DD	SW8270 (SIM)
1,2,4,5-Tetrachlorobenzene	ND	2.0		ug/L	01/02/13	DD	SW8270 (SIM)
Acenaphthylene	ND	0.30		ug/L	01/02/13	DD	SW8270 (SIM)
Atrazine	ND	3.0		ug/L	01/02/13	DD	SW8270 (SIM)
Benz(a)anthracene	0.07	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
Benzo(a)pyrene	0.04	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
Benzo(b)fluoranthene	0.06	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
Benzo(k)fluoranthene	0.03	0.020		ug/L	01/02/13	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-ethylhexyl)phthalate	ND	2.0		ug/L	01/02/13	DD	SW8270 (SIM)
Chrysene	0.06	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	0.02	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.50		ug/L	01/02/13	DD	SW8270 (SIM)
Hexachloroethane	ND	3.0		ug/L	01/02/13	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	0.03	0.020		ug/L	01/02/13	DD	SW8270 (SIM)
N-Nitrosodimethylamine	ND	0.80		ug/L	01/02/13	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.30		ug/L	01/02/13	DD	SW8270 (SIM)
Phenanthrene	0.33	0.077		ug/L	01/02/13	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	103			%	01/02/13	DD	SW8270 (SIM)
% 2-Fluorobiphenyl	65			%	01/02/13	DD	SW8270 (SIM)
% 2-Fluorophenol	80			%	01/02/13	DD	SW8270 (SIM)
% Nitrobenzene-d5	105			%	01/02/13	DD	SW8270 (SIM)
% Phenol-d5	82			%	01/02/13	DD	SW8270 (SIM)
% Terphenyl-d14	73			%	01/02/13	DD	SW8270 (SIM)
<u>Semivolatiles</u>							
2,3,4,6-tetrachlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dichlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dimethylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2,6-Dinitrotoluene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chloronaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Chlorophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylnaphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
2-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
2-Nitrophenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	5.0		ug/L	01/02/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	10		ug/L	01/02/13	DD	SW 8270
3-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	25		ug/L	01/02/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Chloroaniline	ND	10		ug/L	01/02/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
4-Nitroaniline	ND	25		ug/L	01/02/13	DD	SW 8270
4-Nitrophenol	ND	25		ug/L	01/02/13	DD	SW 8270
Acenaphthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Acetophenone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Anthracene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzaldehyde	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzo(ghi)perylene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Benzyl butyl phthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	5.0		ug/L	01/02/13	DD	SW 8270

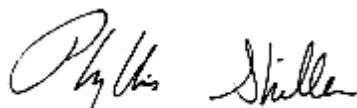
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	5.0		ug/L	01/02/13	DD	SW 8270
Caprolactam	ND	5.0		ug/L	01/02/13	DD	SW 8270
Carbazole	ND	25		ug/L	01/02/13	DD	SW 8270
Dibenzofuran	ND	5.0		ug/L	01/02/13	DD	SW 8270
Diethyl phthalate	16	5.0		ug/L	01/02/13	DD	SW 8270
Dimethylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-butylphthalate	8.9	5.0		ug/L	01/02/13	DD	SW 8270
Di-n-octylphthalate	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluoranthene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Fluorene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Isophorone	ND	5.0		ug/L	01/02/13	DD	SW 8270
Naphthalene	ND	5.0		ug/L	01/02/13	DD	SW 8270
Nitrobenzene	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	5.0		ug/L	01/02/13	DD	SW 8270
Phenol	ND	5.0		ug/L	01/02/13	DD	SW 8270
Pyrene	ND	5.0		ug/L	01/02/13	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	103			%	01/02/13	DD	SW 8270
% 2-Fluorobiphenyl	65			%	01/02/13	DD	SW 8270
% 2-Fluorophenol	80			%	01/02/13	DD	SW 8270
% Nitrobenzene-d5	105			%	01/02/13	DD	SW 8270
% Phenol-d5	82			%	01/02/13	DD	SW 8270
% Terphenyl-d14	73			%	01/02/13	DD	SW 8270

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: GROUND WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 15:10
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14049

Project ID: 217 WEST 28TH STREET
Client ID: FB-WATER

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Semi-Volatile Extraction	Completed				12/28/12	I/D	SW3520

Volatiles

1,1,1-Trichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,1,2-Trichloroethane	ND	3.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloroethane	ND	2.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,3-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,4-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
2-Hexanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
4-Methyl-2-pentanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Acetone	ND	50		ug/L	01/02/13	R/T	SW8260
Benzene	ND	0.70		ug/L	01/02/13	R/T	SW8260
Bromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromodichloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromoform	ND	5.0		ug/L	01/02/13	R/T	SW8260
Bromomethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Carbon Disulfide	ND	1.0		ug/L	01/02/13	R/T	SW8260
Carbon tetrachloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
Chlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Chloroform	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloromethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Cyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Dibromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Dichlorodifluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Ethylbenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Isopropylbenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
m&p-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl ethyl ketone	ND	20		ug/L	01/02/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methylacetate	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylcyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylene chloride	ND	3.0		ug/L	01/02/13	R/T	SW8260
o-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Styrene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Tetrachloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Toluene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Total Xylenes	ND	1.0		ug/L	01/02/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	01/02/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Vinyl chloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	93			%	01/02/13	R/T	70 - 130 %
% Dibromofluoromethane	100			%	01/02/13	R/T	70 - 130 %
% Toluene-d8	102			%	01/02/13	R/T	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100		ug/l	01/02/13	R/T	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	93			%	01/02/13	R/T	70 - 130 %
% Toluene-d8	102			%	01/02/13	R/T	70 - 130 %
Volatile Library Search Top 10	Completed				01/04/13	R/J	1
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	1.1		ug/L	12/31/12	DD	SW8270 (SIM)
1,2,4,5-Tetrachlorobenzene	ND	2.4		ug/L	12/31/12	DD	SW8270 (SIM)
Acenaphthylene	ND	0.36		ug/L	12/31/12	DD	SW8270 (SIM)
Atrazine	ND	3.6		ug/L	12/31/12	DD	SW8270 (SIM)
Benz(a)anthracene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(a)pyrene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(b)fluoranthene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)
Benzo(k)fluoranthene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-ethylhexyl)phthalate	ND	2.4		ug/L	12/31/12	DD	SW8270 (SIM)
Chrysene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)
Dibenz(a,h)anthracene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobenzene	ND	0.024		ug/L	12/31/12	DD	SW8270 (SIM)
Hexachlorobutadiene	ND	0.5		ug/L	12/31/12	DD	SW8270 (SIM)
Hexachloroethane	ND	3.6		ug/L	12/31/12	DD	SW8270 (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02		ug/L	12/31/12	DD	SW8270 (SIM)
N-Nitrosodimethylamine	ND	0.97		ug/L	12/31/12	DD	SW8270 (SIM)
Pentachlorophenol	ND	0.36		ug/L	12/31/12	DD	SW8270 (SIM)
Phenanthrene	0.36	0.093		ug/L	12/31/12	DD	SW8270 (SIM)
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorobiphenyl	68			%	12/31/12	DD	SW8270 (SIM)
% 2-Fluorophenol	65			%	12/31/12	DD	SW8270 (SIM)
% Nitrobenzene-d5	90			%	12/31/12	DD	SW8270 (SIM)
% Phenol-d5	61			%	12/31/12	DD	SW8270 (SIM)
% Terphenyl-d14	100			%	12/31/12	DD	SW8270 (SIM)
<u>Semivolatiles</u>							
2,3,4,6-tetrachlorophenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
2,4,5-Trichlorophenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
2,4,6-Trichlorophenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
2,4-Dichlorophenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
2,4-Dimethylphenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrophenol	ND	30		ug/L	01/02/13	DD	SW 8270
2,4-Dinitrotoluene	ND	6.1		ug/L	01/02/13	DD	SW 8270
2,6-Dinitrotoluene	ND	6.1		ug/L	01/02/13	DD	SW 8270
2-Chloronaphthalene	ND	6.1		ug/L	01/02/13	DD	SW 8270
2-Chlorophenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
2-Methylnaphthalene	ND	6.1		ug/L	01/02/13	DD	SW 8270
2-Methylphenol (o-cresol)	ND	6.1		ug/L	01/02/13	DD	SW 8270
2-Nitroaniline	ND	30		ug/L	01/02/13	DD	SW 8270
2-Nitrophenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	6.1		ug/L	01/02/13	DD	SW 8270
3,3'-Dichlorobenzidine	ND	12		ug/L	01/02/13	DD	SW 8270
3-Nitroaniline	ND	30		ug/L	01/02/13	DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	30		ug/L	01/02/13	DD	SW 8270
4-Bromophenyl phenyl ether	ND	6.1		ug/L	01/02/13	DD	SW 8270
4-Chloro-3-methylphenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
4-Chloroaniline	ND	12		ug/L	01/02/13	DD	SW 8270
4-Chlorophenyl phenyl ether	ND	6.1		ug/L	01/02/13	DD	SW 8270
4-Nitroaniline	ND	30		ug/L	01/02/13	DD	SW 8270
4-Nitrophenol	ND	30		ug/L	01/02/13	DD	SW 8270
Acenaphthene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Acetophenone	ND	6.1		ug/L	01/02/13	DD	SW 8270
Anthracene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Benzaldehyde	ND	6.1		ug/L	01/02/13	DD	SW 8270
Benzo(ghi)perylene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Benzyl butyl phthalate	ND	6.1		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroethoxy)methane	ND	6.1		ug/L	01/02/13	DD	SW 8270

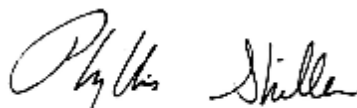
Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	6.1		ug/L	01/02/13	DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	6.1		ug/L	01/02/13	DD	SW 8270
Caprolactam	ND	6.1		ug/L	01/02/13	DD	SW 8270
Carbazole	ND	30		ug/L	01/02/13	DD	SW 8270
Dibenzofuran	ND	6.1		ug/L	01/02/13	DD	SW 8270
Diethyl phthalate	21	6.1		ug/L	01/02/13	DD	SW 8270
Dimethylphthalate	ND	6.1		ug/L	01/02/13	DD	SW 8270
Di-n-butylphthalate	12	6.1		ug/L	01/02/13	DD	SW 8270
Di-n-octylphthalate	ND	6.1		ug/L	01/02/13	DD	SW 8270
Fluoranthene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Fluorene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Hexachlorocyclopentadiene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Isophorone	ND	6.1		ug/L	01/02/13	DD	SW 8270
Naphthalene	ND	6.1		ug/L	01/02/13	DD	SW 8270
Nitrobenzene	ND	6.1		ug/L	01/02/13	DD	SW 8270
N-Nitrosodi-n-propylamine	ND	6.1		ug/L	01/02/13	DD	SW 8270
N-Nitrosodiphenylamine	ND	6.1		ug/L	01/02/13	DD	SW 8270
Phenol	ND	6.1		ug/L	01/02/13	DD	SW 8270
Pyrene	ND	6.1		ug/L	01/02/13	DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	88			%	01/02/13	DD	SW 8270
% 2-Fluorobiphenyl	68			%	01/02/13	DD	SW 8270
% 2-Fluorophenol	65			%	01/02/13	DD	SW 8270
% Nitrobenzene-d5	90			%	01/02/13	DD	SW 8270
% Phenol-d5	61			%	01/02/13	DD	SW 8270
% Terphenyl-d14	100			%	01/02/13	DD	SW 8270

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected
BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 15, 2013

FOR: Attn: Mr. Matthew Carroll
Environmental Engineer
Tenen Environmental
121 West 27th Street Suite 1004
New York, NY 10001

Sample Information

Matrix: GROUND WATER
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/27/12 0:00
12/28/12 17:58

Laboratory Data

SDG ID: GBD14031
Phoenix ID: BD14050

Project ID: 217 WEST 28TH STREET
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1,2,2-Tetrachloroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,1,2-Trichloroethane	ND	3.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,1-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,3-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2,4-Trichlorobenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromo-3-chloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dibromoethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloroethane	ND	2.0		ug/L	01/02/13	R/T	SW8260
1,2-Dichloropropane	ND	1.0		ug/L	01/02/13	R/T	SW8260
1,3-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
1,4-Dichlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
2-Hexanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
4-Methyl-2-pentanone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Acetone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Benzene	ND	0.70		ug/L	01/02/13	R/T	SW8260
Bromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromodichloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Bromoform	ND	5.0		ug/L	01/02/13	R/T	SW8260
Bromomethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Carbon Disulfide	ND	1.0		ug/L	01/02/13	R/T	SW8260
Carbon tetrachloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
Chlorobenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Chloroform	ND	5.0		ug/L	01/02/13	R/T	SW8260

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Chloromethane	ND	5.0		ug/L	01/02/13	R/T	SW8260
cis-1,2-Dichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
cis-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Cyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Dibromochloromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Dichlorodifluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Ethylbenzene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Isopropylbenzene	ND	1.0		ug/L	01/02/13	R/T	SW8260
m&p-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl ethyl ketone	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methyl t-butyl ether (MTBE)	ND	1.0		ug/L	01/02/13	R/T	SW8260
Methylacetate	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylcyclohexane	ND	5.0		ug/L	01/02/13	R/T	SW8260
Methylene chloride	ND	3.0		ug/L	01/02/13	R/T	SW8260
o-Xylene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Styrene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Tetrachloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Toluene	ND	5.0		ug/L	01/02/13	R/T	SW8260
Total Xylenes	ND	1.0		ug/L	01/02/13	R/T	SW8260
trans-1,2-Dichloroethene	ND	5.0		ug/L	01/02/13	R/T	SW8260
trans-1,3-Dichloropropene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichloroethene	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorofluoromethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Trichlorotrifluoroethane	ND	1.0		ug/L	01/02/13	R/T	SW8260
Vinyl chloride	ND	1.0		ug/L	01/02/13	R/T	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	94			%	01/02/13	R/T	70 - 130 %
% Dibromofluoromethane	97			%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100			%	01/02/13	R/T	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100		ug/l	01/02/13	R/T	SW8260B
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101			%	01/02/13	R/T	70 - 130 %
% Bromofluorobenzene	94			%	01/02/13	R/T	70 - 130 %
% Toluene-d8	100			%	01/02/13	R/T	70 - 130 %
Volatile Library Search Top 10	Completed				01/04/13	R/J	

Project ID: 217 WEST 28TH STREET
Client ID: TRIP BLANK

Phoenix I.D.: BD14050

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
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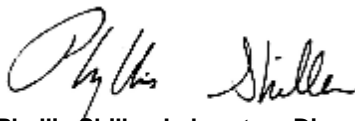
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level LOD=Limit of Detection MDL=Method Detection Limit

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director

January 15, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client: TENEN

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GBD14031

Matrix:(soil/water) WATER

Lab Sample ID: BD14043

Sample wt/vol: 25 (g/mL) mL

Lab File ID: 0102S11.D

Level: (low/med) Low

Date Received: 12/28/12

% Moisture: not dec.	100
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Date Analyzed: 01/02/13

GC Column: rtx-vms ID: 0.18 (mm)

Dilution Factor: 1

Purge Volume	25000	(uL)
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Soil Aliquot Vol (uL): n.a.

Number TICs found: 0

CONCENTRATION UNITS: (ug/L or ug/KG) ug/L

[illegible]

TW-3D

Client: TENEN

SDG No.: GBD14031

Lab Sample ID: BD14044

Lab File ID: 0102S12.D

Date Received: 12/28/12

Date Analyzed: 01/02/13

Dilution Factor: 1

Soil Aliquot Vol (uL): 5000

CONCENTRATION UNITS:

[illegible]

TW-2

FB-SOIL

Client: TENEN

SDG No.: GBD14031

Lab Sample ID: BD14048

Lab File ID: 1230L11.D

Date Received: 12/28/12

Date Analyzed: 12/30/12

Dilution Factor: 1

Soil Aliquot Vol (uL): n.a.

CONCENTRATION UNITS:

FORM I VOA-TIC

FB-WATER

TRIP BLANK

Client: TENEN

SDG No.: GBD14031

Lab Sample ID: BD14050

Lab File ID: 0102S08.D

Date Received: 12/28/12

Date Analyzed: 01/02/13

Dilution Factor: 1

Soil Aliquot Vol (uL): n.a.

CONCENTRATION UNITS:

FORM I VOA-TIC



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

January 15, 2013

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 217405, QC Sample No: BD12957 (BD14037, BD14043, BD14044, BD14047)													
Thallium (Dissolved)		<0.002	<0.005	NC	29.2	29.4	0.7	118			75 - 125	20	I
QA/QC Batch 217235, QC Sample No: BD12957 (BD14037, BD14043, BD14044, BD14047)													
Thallium - Water	BRL	<0.002	<0.002	NC	98.5	95.0	3.6	91.7	99.3	8.0			
Thallium (Dissolved) - Water		<0.002							117				
QA/QC Batch 217222, QC Sample No: BD13194 (BD14039, BD14040, BD14041, BD14042, BD14045, BD14046)													
<u>ICP Metals - Soil</u>													
Aluminum	BRL	11300	11400	0.90	86.5	73.3	16.5	>130	>130	NC	75 - 125	30	I,m
Antimony	BRL	<3.9	<3.8	NC	84.2	78.4	7.1	84.7	87.8	3.6	75 - 125	30	
Arsenic	BRL	4.0	4.11	2.70	104	90.2	14.2	95.9	99.4	3.6	75 - 125	30	
Barium	BRL	210	256	19.7	109	93.3	15.5	>130	>130	NC	75 - 125	30	m
Beryllium	BRL	0.42	0.42	NC	108	90.0	18.2	95.6	98.5	3.0	75 - 125	30	
Cadmium	BRL	1.22	1.48	NC	107	90.1	17.1	97.0	100	3.0	75 - 125	30	
Calcium	7.4	18000	18300	1.70	104	87.1	17.7	>130	>130	NC	75 - 125	30	m
Chromium	BRL	28.8	26.3	9.10	112	97.4	13.9	114	119	4.3	75 - 125	30	
Cobalt	BRL	7.42	7.01	5.70	107	89.7	17.6	98.9	102	3.1	75 - 125	30	
Copper	BRL	183	165	10.3	112	94.2	17.3	>130	>130	NC	75 - 125	30	m
Iron	BRL	19000	19100	0.50	123	102	18.7	>130	>130	NC	75 - 125	30	m
Lead	BRL	64.7	61.1	5.70	108	93.9	14.0	118	128	8.1	75 - 125	30	m
Magnesium	BRL	5800	5660	2.40	107	89.9	17.4	>130	>130	NC	75 - 125	30	m
Manganese	BRL	282	268	5.10	114	89.3	24.3	>130	>130	NC	75 - 125	30	m
Nickel	BRL	20.3	19.4	4.50	107	89.3	18.0	106	111	4.6	75 - 125	30	
Potassium	BRL	3100	3090	0.30	109	103	5.7	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.6	<1.5	NC	104	89.2	15.3	89.0	93.3	4.7	75 - 125	30	
Silver	BRL	<0.39	<0.38	NC	102	86.7	16.2	93.3	96.4	3.3	75 - 125	30	
Sodium	BRL	231	255	9.90	111	101	9.4	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.6	<3.5	NC	108	94.4	13.4	94.6	98.3	3.8	75 - 125	30	
Vanadium	BRL	35.8	38.8	8.00	116	104	10.9	119	123	3.3	75 - 125	30	
Zinc	BRL	222	253	13.1	109	92.3	16.6	>130	>130	NC	75 - 125	30	m

QA/QC Batch 217456, QC Sample No: BD13528 (BD14037, BD14043, BD14044)

Mercury - Water	BRL	<0.0002	<0.0002	NC	105	100	4.9	100	101	1.0	70 - 130	20	
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QA/QC Batch 217430, QC Sample No: BD13672 (BD14037, BD14043, BD14044, BD14047)

ICP Metals - Aqueous

Aluminum	BRL	0.224	0.392	54.5	100	98.9	1.1	126	127	0.8	75 - 125	20	m,r
Antimony	BRL	<0.005	<0.005	NC	104	103	1.0	105	108	2.8	75 - 125	20	
Arsenic	BRL	0.004	<0.004	NC	103	99.5	3.5	105	109	3.7	75 - 125	20	
Barium	BRL	0.016	0.016	0	104	103	1.0	101	100	1.0	75 - 125	20	
Beryllium	BRL	<0.001	<0.001	NC	105	104	1.0	99.7	100	0.3	75 - 125	20	
Cadmium	BRL	0.001	0.001	NC	105	102	2.9	101	104	2.9	75 - 125	20	
Calcium	BRL	242	242	0	106	105	0.9	NC	NC	NC	75 - 125	20	
Chromium	BRL	0.003	0.003	NC	102	99.0	3.0	98.9	102	3.1	75 - 125	20	
Cobalt	BRL	<0.002	<0.002	NC	106	104	1.9	103	106	2.9	75 - 125	20	

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Copper	BRL	0.006	0.005	NC	104	104	0.0	107	108	0.9	75 - 125	20
Iron	BRL	0.203	0.188	7.70	103	101	2.0	99.1	101	1.9	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	104	101	2.9	100	103	3.0	75 - 125	20
Magnesium	BRL	21.7	21.9	0.90	107	104	2.8	NC	NC	NC	75 - 125	20
Manganese	BRL	1.30	1.31	0.80	102	99.6	2.4	104	110	5.6	75 - 125	20
Nickel	BRL	0.027	0.026	3.80	105	101	3.9	99.1	102	2.9	75 - 125	20
Potassium	BRL	20.5	22.6	9.70	71.1	105	38.5	52.6	113	72.9	75 - 125	20
Selenium	BRL	<0.010	<0.010	NC	104	101	2.9	108	112	3.6	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	102	96.5	5.5	107	106	0.9	75 - 125	20
Sodium	BRL	653	653	0	77.7	116	39.5	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	101	98.9	2.1	98.3	98.6	0.3	75 - 125	20
Zinc	BRL	0.021	0.021	0	104	101	2.9	105	108	2.8	75 - 125	20

QA/QC Batch 217422, QC Sample No: BD13672 (BD14037, BD14043, BD14044, BD14047)

ICP Metals - Dissolved

Aluminum	BRL				97.4	95.2	2.3	105	92.2	13.0	75 - 125	20
Antimony	BRL	<0.005	<0.005	NC	97.9	96.3	1.6	98.2	102	3.8	75 - 125	20
Arsenic	BRL	0.006	<0.004	NC	98.2	96.3	2.0	101	106	4.8	75 - 125	20
Barium	BRL	0.014	0.014	0	99.2	96.7	2.6	95.6	99.5	4.0	75 - 125	20
Beryllium	BRL	<0.001	<0.001	NC	94.5	95.6	1.2	93.2	96.0	3.0	75 - 125	20
Cadmium	BRL	0.001	0.001	NC	99.3	100	0.7	94.9	99.4	4.6	75 - 125	20
Calcium	BRL	240	251	4.50	98.8	97.6	1.2	NC	NC	NC	75 - 125	20
Chromium	BRL	0.002	0.003	NC	94.5	93.1	1.5	92.2	96.6	4.7	75 - 125	20
Cobalt	BRL	0.001	<0.001	NC	100	98.3	1.7	95.8	100	4.3	75 - 125	20
Copper	BRL	<0.005	<0.005	NC	95.2	94.1	1.2	99.5	105	5.4	75 - 125	20
Iron	BRL	<0.011	<0.011	NC	96.9	95.8	1.1	93.9	98.2	4.5	75 - 125	20
Lead	BRL	<0.002	<0.002	NC	98.8	97.0	1.8	94.9	99.2	4.4	75 - 125	20
Magnesium	BRL	22.8	23.0	0.90	95.8	96.7	0.9	NC	NC	NC	75 - 125	20
Manganese	BRL	1.36	1.36	0	96.0	97.3	1.3	86.5	92.4	6.6	75 - 125	20
Nickel	BRL	0.027	0.028	3.60	98.8	97.2	1.6	94.3	98.5	4.4	75 - 125	20
Potassium	BRL	21.8	22.8	4.50	100	102	2.0	122	86.4	34.2	75 - 125	20
Selenium	BRL	<0.011	<0.011	NC	97.8	97.8	0.0	103	109	5.7	75 - 125	20
Silver	BRL	<0.001	<0.001	NC	94.2	93.3	1.0				75 - 125	20
Sodium	BRL	673	687	2.10	102	101	1.0	NC	NC	NC	75 - 125	20
Vanadium	BRL	<0.002	<0.002	NC	93.1	92.2	1.0	90.3	95.8	5.9	75 - 125	20
Zinc	BRL	0.014	0.014	0	97.8	99.0	1.2	97.9	102	4.1	75 - 125	20

QA/QC Batch 217406, QC Sample No: BD13811 (BD14031, BD14032, BD14033, BD14034, BD14035, BD14036, BD14038)

ICP Metals - Soil

Aluminum	BRL	5800	6040	4.10	77.8	74.1	4.9	NC	NC	NC	75 - 125	30
Antimony	BRL	<4.1	<4.0	NC	84.7	81.6	3.7	88.7	91.0	2.6	75 - 125	30
Arsenic	BRL	3.1	3.03	NC	93.7	88.7	5.5	89.3	90.7	1.6	75 - 125	30
Barium	BRL	25.9	25.6	1.20	99.4	92.4	7.3	97.5	98.3	0.8	75 - 125	30
Beryllium	BRL	<0.32	<0.32	NC	96.5	92.7	4.0	92.2	93.6	1.5	75 - 125	30
Cadmium	BRL	<0.41	<0.40	NC	94.2	94.0	0.2	90.4	91.5	1.2	75 - 125	30
Calcium	BRL	10900	8040	30.2	94.1	91.1	3.2	NC	NC	NC	75 - 125	30
Chromium	BRL	14.2	16.8	16.8	99.8	95.4	4.5	99.1	97.3	1.8	75 - 125	30
Cobalt	BRL	4.54	5.47	18.6	97.5	94.3	3.3	91.9	92.9	1.1	75 - 125	30
Copper	BRL	13.7	12.3	10.8	101	98.9	2.1	99.0	99.7	0.7	75 - 125	30
Iron	BRL	9130	10800	16.8	104	102	1.9	NC	NC	NC	75 - 125	30
Lead	BRL	50.0	49.7	0.60	95.5	90.7	5.2	90.5	91.6	1.2	75 - 125	30
Magnesium	BRL	3840	4080	6.10	96.5	90.5	6.4	NC	NC	NC	75 - 125	30
Manganese	BRL	144	170	16.6	97.0	91.9	5.4	118	99.4	17.1	75 - 125	30
Nickel	BRL	14.6	17.0	15.2	96.8	94.8	2.1	93.2	93.0	0.2	75 - 125	30

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Potassium	BRL	686	990	36.3	110	104	5.6	122	>130	NC	75 - 125	30	m,r
Selenium	BRL	<1.6	<1.6	NC	96.9	93.0	4.1	86.2	88.5	2.6	75 - 125	30	
Silver	BRL	<0.41	<0.40	NC	95.2	91.6	3.9	93.0	94.2	1.3	75 - 125	30	
Sodium	14.6	170	100	51.9	102	105	2.9	93.2	95.6	2.5	75 - 125	30	r
Thallium	BRL	<3.7	<3.6	NC	99.0	96.1	3.0	92.7	94.1	1.5	75 - 125	30	
Vanadium	BRL	16.0	18.0	11.8	104	103	1.0	98.6	97.6	1.0	75 - 125	30	
Zinc	BRL	36.0	39.3	8.80	95.7	92.1	3.8	92.7	91.9	0.9	75 - 125	30	
QA/QC Batch 217524, QC Sample No: BD14008 (BD14047)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	104	106	1.9	99.1	99.4	0.3	70 - 130	20	
QA/QC Batch 217523, QC Sample No: BD14020 (BD14031, BD14032, BD14033, BD14034, BD14035, BD14036, BD14038, BD14039, BD14040, BD14041, BD14042, BD14045, BD14046)													
Mercury - Soil	BRL	0.21	0.12	NC	97.2	98.6	1.4	73.0	79.6	8.7	70 - 130	30	m

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.



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QA/QC Report

January 15, 2013

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 217560, QC Sample No: BD14040 (BD14031, BD14032, BD14033, BD14034, BD14035, BD14036, BD14038, BD14039, BD14040, BD14041, BD14042, BD14045, BD14046)												
Total Cyanide	BRL	<0.57	<0.57	NC	103			98.5			85 - 115	30



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QA/QC Report

January 15, 2013

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 216967, QC Sample No: BD12216 (BD14037, BD14043, BD14044, BD14047)									
<u>Polychlorinated Biphenyls - Ground Water</u>									
PCB-1016	ND	82	90	9.3				40 - 140	20
PCB-1221	ND							40 - 140	20
PCB-1232	ND							40 - 140	20
PCB-1242	ND							40 - 140	20
PCB-1248	ND							40 - 140	20
PCB-1254	ND							40 - 140	20
PCB-1260	ND	93	97	4.2				40 - 140	20
PCB-1262	ND							40 - 140	20
PCB-1268	ND							40 - 140	20
% DCBP (Surrogate Rec)	71	75	75	0.0				30 - 150	20
% TCMX (Surrogate Rec)	65	89	89	0.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 217137, QC Sample No: BD12587 (BD14037, BD14043, BD14044, BD14047)

Pesticides - Ground Water

4,4' -DDD	ND	93	94	1.1				40 - 140	20
4,4' -DDE	ND	92	94	2.2				40 - 140	20
4,4' -DDT	ND	91	90	1.1				40 - 140	20
a-BHC	ND	95	95	0.0				40 - 140	20
a-Chlordane	ND	89	92	3.3				40 - 140	20
Alachlor	ND	N/A	N/A	NC				40 - 140	20
Aldrin	ND	82	84	2.4				40 - 140	20
b-BHC	ND	87	91	4.5				40 - 140	20
Chlordane	ND	N/A	N/A	NC				40 - 140	20
d-BHC	ND	94	94	0.0				40 - 140	20
Dieldrin	ND	90	93	3.3				40 - 140	20
Endosulfan I	ND	87	88	1.1				40 - 140	20
Endosulfan II	ND	90	91	1.1				40 - 140	20
Endosulfan sulfate	ND	89	88	1.1				40 - 140	20
Endrin	ND	92	91	1.1				40 - 140	20
Endrin aldehyde	ND	93	93	0.0				40 - 140	20
Endrin ketone	ND	92	91	1.1				40 - 140	20
g-BHC	ND	94	95	1.1				40 - 140	20
g-Chlordane	ND	87	89	2.3				40 - 140	20
Heptachlor	ND	95	91	4.3				40 - 140	20
Heptachlor epoxide	ND	92	94	2.2				40 - 140	20
Methoxychlor	ND	98	96	2.1				40 - 140	20
Toxaphene	ND	N/A	N/A	NC				40 - 140	20
% DCBP	70	75	75	0.0				30 - 150	20
% TCMX	65	80	73	9.2				30 - 150	20

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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Comment:

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate, unless otherwise noted. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane.

QA/QC Batch 217404, QC Sample No: BD13536 (BD14037, BD14043, BD14044, BD14047, BD14048, BD14049)

Semivolatiles - Ground Water

1,2,4,5-Tetrachlorobenzene	ND	83	85	2.4				30 - 130	20
Acenaphthylene	ND	86	85	1.2				30 - 130	20
Benz(a)anthracene	ND	115	116	0.9				30 - 130	20
Benzo(a)pyrene	ND	100	101	1.0				30 - 130	20
Benzo(b)fluoranthene	ND	112	110	1.8				30 - 130	20
Benzo(k)fluoranthene	ND	112	114	1.8				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	106	105	0.9				30 - 130	20
Chrysene	ND	113	113	0.0				30 - 130	20
Dibenz(a,h)anthracene	ND	109	114	4.5				30 - 130	20
Hexachlorobenzene	ND	90	91	1.1				30 - 130	20
Hexachlorobutadiene	ND	79	80	1.3				30 - 130	20
Hexachloroethane	ND	77	77	0.0				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	109	113	3.6				30 - 130	20
N-Nitrosodimethylamine	ND	73	70	4.2				30 - 130	20
Pentachlorophenol	ND	86	89	3.4				30 - 130	20
Phenanthrene	ND	111	111	0.0				30 - 130	20
% 2,4,6-Tribromophenol	61	86	90	4.5				30 - 130	20
% 2-Fluorobiphenyl	64	76	75	1.3				30 - 130	20
% 2-Fluorophenol	70	62	62	0.0				30 - 130	20
% Nitrobenzene-d5	82	78	79	1.3				30 - 130	20
% Phenol-d5	73	68	68	0.0				30 - 130	20
% Terphenyl-d14	73	86	87	1.2				30 - 130	20

QA/QC Batch 217491, QC Sample No: BD14034 (BD14032, BD14034, BD14036, BD14039, BD14040, BD14041, BD14045, BD14046, BD14048)

Volatiles - Soil

1,1,1-Trichloroethane	ND	90	90	0.0	101	97	4.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	101	101	0.0	106	98	7.8	70 - 130	30	
1,1,2-Trichloroethane	ND	94	92	2.2	100	91	9.4	70 - 130	30	
1,1-Dichloroethane	ND	88	87	1.1	102	96	6.1	70 - 130	30	
1,1-Dichloroethene	ND	77	84	8.7	100	101	1.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	115	95	19.0	90	70	25.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	114	98	15.1	85	64	28.2	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	103	103	0.0	108	98	9.7	70 - 130	30	
1,2-Dibromoethane	ND	95	93	2.1	97	87	10.9	70 - 130	30	
1,2-Dichlorobenzene	ND	104	102	1.9	99	93	6.3	70 - 130	30	
1,2-Dichloroethane	ND	91	88	3.4	97	89	8.6	70 - 130	30	
1,2-Dichloropropane	ND	93	93	0.0	97	92	5.3	70 - 130	30	
1,3-Dichlorobenzene	ND	107	106	0.9	97	90	7.5	70 - 130	30	
1,4-Dichlorobenzene	ND	107	104	2.8	98	88	10.8	70 - 130	30	
1,4-dioxane	ND	91	84	8.0	115	101	13.0	70 - 130	30	
2-Hexanone	ND	84	81	3.6	95	82	14.7	70 - 130	30	
4-Methyl-2-pentanone	ND	85	81	4.8	97	84	14.4	70 - 130	30	
Acetone	ND	64	65	1.6	65	59	9.7	70 - 130	30	l,m
Benzene	ND	91	91	0.0	97	94	3.1	70 - 130	30	
Bromochloromethane	ND	88	87	1.1	102	92	10.3	70 - 130	30	
Bromodichloromethane	ND	95	95	0.0	97	93	4.2	70 - 130	30	
Bromoform	ND	106	108	1.9	108	101	6.7	70 - 130	30	

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromomethane	ND	83	68	19.9	100	83	18.6	70 - 130	30	l
Carbon Disulfide	ND	81	92	12.7	99	102	3.0	70 - 130	30	
Carbon tetrachloride	ND	96	93	3.2	97	93	4.2	70 - 130	30	
Chlorobenzene	ND	98	100	2.0	99	96	3.1	70 - 130	30	
Chloroethane	ND	85	104	20.1	104	124	17.5	70 - 130	30	
Chloroform	ND	89	87	2.3	101	94	7.2	70 - 130	30	
Chloromethane	ND	81	79	2.5	101	98	3.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	90	88	2.2	100	92	8.3	70 - 130	30	
cis-1,3-Dichloropropene	ND	95	95	0.0	95	87	8.8	70 - 130	30	
Dibromochloromethane	ND	105	106	0.9	107	103	3.8	70 - 130	30	
Dichlorodifluoromethane	ND	73	73	0.0	100	97	3.0	70 - 130	30	
Ethylbenzene	ND	97	98	1.0	101	99	2.0	70 - 130	30	
Isopropylbenzene	ND	117	121	3.4	106	107	0.9	70 - 130	30	
m&p-Xylene	ND	98	99	1.0	101	96	5.1	70 - 130	30	
Methyl ethyl ketone	ND	47	44	6.6	61	49	21.8	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	93	89	4.4	93	84	10.2	70 - 130	30	
Methylene chloride	ND	75	85	12.5	87	90	3.4	70 - 130	30	
o-Xylene	ND	102	102	0.0	51	50	2.0	70 - 130	30	m
Styrene	ND	100	99	1.0	49	50	2.0	70 - 130	30	
Tetrachloroethene	ND	100	103	3.0	100	100	0.0	70 - 130	30	
Toluene	ND	92	92	0.0	95	92	3.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	88	86	2.3	99	93	6.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	92	90	2.2	93	84	10.2	70 - 130	30	
Trichloroethene	ND	91	92	1.1	98	95	3.1	70 - 130	30	
Trichlorofluoromethane	ND	96	96	0.0	110	103	6.6	70 - 130	30	
Trichlorotrifluoroethane	ND	88	96	8.7	102	101	1.0	70 - 130	30	
Vinyl chloride	ND	89	83	7.0	98	91	7.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	102	99	100	1.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	93	98	97	1.0	96	96	0.0	70 - 130	30	
% Dibromofluoromethane	100	100	97	3.0	101	99	2.0	70 - 130	30	
% Toluene-d8	102	100	101	1.0	98	100	2.0	70 - 130	30	

QA/QC Batch 217420, QC Sample No: BD14039 (BD14031, BD14032, BD14033, BD14034, BD14035, BD14036, BD14038, BD14039, BD14040, BD14041, BD14042, BD14045, BD14046)

Pesticides - Soil

4,4' -DDD	ND	75	75	0.0	72			40 - 140	30
4,4' -DDE	ND	78	80	2.5	78			40 - 140	30
4,4' -DDT	ND	76	75	1.3	72			40 - 140	30
a-BHC	ND	82	83	1.2	81			40 - 140	30
a-Chlordane	ND	77	79	2.6	77			40 - 140	30
Alachlor	ND	N/A	N/A	NC	N/A			40 - 140	30
Aldrin	ND	79	80	1.3	79			40 - 140	30
b-BHC	ND	74	76	2.7	73			40 - 140	30
Chlordane	ND	N/A	N/A	NC	N/A			40 - 140	30
d-BHC	ND	76	78	2.6	77			40 - 140	30
Dieldrin	ND	79	80	1.3	78			40 - 140	30
Endosulfan I	ND	78	79	1.3	78			40 - 140	30
Endosulfan II	ND	77	77	0.0	81			40 - 140	30
Endosulfan sulfate	ND	71	70	1.4	72			40 - 140	30
Endrin	ND	74	77	4.0	75			40 - 140	30
Endrin aldehyde	ND	68	72	5.7	87			40 - 140	30
Endrin ketone	ND	75	75	0.0	73			40 - 140	30
g-BHC	ND	79	80	1.3	78			40 - 140	30

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
g-Chlordane	ND	79	81	2.5	79			40 - 140	30
Heptachlor	ND	77	77	0.0	76			40 - 140	30
Heptachlor epoxide	ND	78	80	2.5	78			40 - 140	30
Methoxychlor	ND	71	72	1.4	70			40 - 140	30
Toxaphene	ND	N/A	N/A	NC	N/A			40 - 140	30
% DCBP	68	80	82	2.5	77			30 - 150	30
% TCMX	71	78	79	1.3	76			30 - 150	30

QA/QC Batch 217419, QC Sample No: BD14039 (BD14031, BD14032, BD14033, BD14034, BD14035, BD14036, BD14038, BD14039, BD14040, BD14041, BD14042, BD14045, BD14046)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	82	78	5.0	86			40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	81	77	5.1	87			40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	78	75	71	5.5	81			30 - 150	30
% TCMX (Surrogate Rec)	87	85	80	6.1	90			30 - 150	30

QA/QC Batch 217421, QC Sample No: BD14039 (BD14031, BD14032, BD14033, BD14034, BD14035, BD14036, BD14038, BD14039, BD14040, BD14041, BD14042, BD14045, BD14046)

Semivolatiles - Soil

1,1-Biphenyl	ND	88	87	1.1	80	86	7.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	84	83	1.2	79	83	4.9	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	85	100	16.2	90	94	4.3	30 - 130	30	
2,4,5-Trichlorophenol	ND	93	97	4.2	91	97	6.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	94	96	2.1	89	94	5.5	30 - 130	30	
2,4-Dichlorophenol	ND	87	88	1.1	84	89	5.8	30 - 130	30	
2,4-Dimethylphenol	ND	59	58	1.7	57	57	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	5.5	25	127.9	27	33	20.0	30 - 130	30	I,m,r
2,4-Dinitrotoluene	ND	93	96	3.2	92	99	7.3	30 - 130	30	
2,6-Dinitrotoluene	ND	94	96	2.1	92	99	7.3	30 - 130	30	
2-Chloronaphthalene	ND	88	87	1.1	82	89	8.2	30 - 130	30	
2-Chlorophenol	ND	85	84	1.2	80	86	7.2	30 - 130	30	
2-Methylnaphthalene	ND	83	81	2.4	78	82	5.0	30 - 130	30	
2-Methylphenol (o-cresol)	ND	82	81	1.2	77	83	7.5	30 - 130	30	
2-Nitroaniline	ND	140	138	1.4	131	136	3.7	30 - 130	30	I,m
2-Nitrophenol	ND	66	72	8.7	68	75	9.8	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	86	85	1.2	82	86	4.8	30 - 130	30	
3,3'-Dichlorobenzidine	ND	119	110	7.9	108	106	1.9	30 - 130	30	
3-Nitroaniline	ND	95	96	1.0	92	99	7.3	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	36	76	71.4	72	75	4.1	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	91	92	1.1	86	93	7.8	30 - 130	30	
4-Chloro-3-methylphenol	ND	89	89	0.0	86	89	3.4	30 - 130	30	
4-Chloroaniline	ND	90	78	14.3	72	67	7.2	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	91	90	1.1	84	91	8.0	30 - 130	30	
4-Nitroaniline	ND	93	93	0.0	89	96	7.6	30 - 130	30	
4-Nitrophenol	ND	83	92	10.3	83	87	4.7	30 - 130	30	
Acenaphthene	ND	103	101	2.0	97	105	7.9	30 - 130	30	
Acenaphthylene	ND	90	88	2.2	84	90	6.9	30 - 130	30	

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acetophenone	ND	86	84	2.4	80	86	7.2	30 - 130	30
Anthracene	ND	108	106	1.9	101	109	7.6	30 - 130	30
Atrazine	ND	>150	>150	NC	>150	>150	NC	30 - 130	30
Benz(a)anthracene	ND	107	108	0.9	101	109	7.6	30 - 130	30
Benzaldehyde	ND	>150	>150	NC	>150	>150	NC	30 - 130	30
Benzo(a)pyrene	ND	104	103	1.0	98	105	6.9	30 - 130	30
Benzo(b)fluoranthene	ND	113	115	1.8	105	115	9.1	30 - 130	30
Benzo(ghi)perylene	ND	102	112	9.3	107	108	0.9	30 - 130	30
Benzo(k)fluoranthene	ND	114	103	10.1	105	116	10.0	30 - 130	30
Benzyl butyl phthalate	ND	90	94	4.3	86	91	5.6	30 - 130	30
Bis(2-chloroethoxy)methane	ND	83	81	2.4	78	83	6.2	30 - 130	30
Bis(2-chloroethyl)ether	ND	78	77	1.3	78	87	10.9	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	79	76	3.9	72	78	8.0	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	94	95	1.1	88	95	7.7	30 - 130	30
Caprolactam	ND	87	96	9.8	84	77	8.7	30 - 130	30
Carbazole	ND	124	123	0.8	118	127	7.3	30 - 130	30
Chrysene	ND	108	108	0.0	102	110	7.5	30 - 130	30
Dibenz(a,h)anthracene	ND	105	113	7.3	108	110	1.8	30 - 130	30
Dibenzofuran	ND	90	88	2.2	84	91	8.0	30 - 130	30
Diethyl phthalate	ND	92	92	0.0	86	92	6.7	30 - 130	30
Dimethylphthalate	ND	91	90	1.1	85	91	6.8	30 - 130	30
Di-n-butylphthalate	ND	91	91	0.0	85	92	7.9	30 - 130	30
Di-n-octylphthalate	ND	96	96	0.0	92	100	8.3	30 - 130	30
Fluoranthene	ND	94	91	3.2	87	94	7.7	30 - 130	30
Fluorene	ND	109	107	1.9	102	110	7.5	30 - 130	30
Hexachlorobenzene	ND	90	90	0.0	84	91	8.0	30 - 130	30
Hexachlorobutadiene	ND	79	78	1.3	74	79	6.5	30 - 130	30
Hexachlorocyclopentadiene	ND	58	72	21.5	65	68	4.5	30 - 130	30
Hexachloroethane	ND	80	79	1.3	74	80	7.8	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	105	114	8.2	108	109	0.9	30 - 130	30
Isophorone	ND	87	86	1.2	82	87	5.9	30 - 130	30
Naphthalene	ND	83	80	3.7	77	82	6.3	30 - 130	30
Nitrobenzene	ND	84	83	1.2	79	85	7.3	30 - 130	30
N-Nitrosodimethylamine	ND	73	72	1.4	67	72	7.2	30 - 130	30
N-Nitrosodi-n-propylamine	ND	86	84	2.4	80	85	6.1	30 - 130	30
N-Nitrosodiphenylamine	ND	106	106	0.0	98	106	7.8	30 - 130	30
Pentachlorophenol	ND	71	92	25.8	83	88	5.8	30 - 130	30
Phenanthrene	ND	109	107	1.9	103	110	6.6	30 - 130	30
Phenol	ND	85	84	1.2	80	86	7.2	30 - 130	30
Pyrene	ND	111	107	3.7	101	111	9.4	30 - 130	30
% 2,4,6-Tribromophenol	91	93	94	1.1	91	94	3.2	30 - 130	30
% 2-Fluorobiphenyl	80	86	84	2.4	81	88	8.3	30 - 130	30
% 2-Fluorophenol	81	81	80	1.2	77	82	6.3	30 - 130	30
% Nitrobenzene-d5	79	80	79	1.3	78	83	6.2	30 - 130	30
% Phenol-d5	84	85	84	1.2	81	87	7.1	30 - 130	30
% Terphenyl-d14	85	97	93	4.2	88	97	9.7	30 - 130	30

QA/QC Batch 217637, QC Sample No: BD14042 (BD14031, BD14033, BD14035, BD14038, BD14042 (50, 1X))

Volatiles - Soil

1,1,1-Trichloroethane	ND	97	95	2.1	93	93	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	106	114	7.3	104	97	7.0	70 - 130	30
1,1,2-Trichloroethane	ND	102	103	1.0	95	91	4.3	70 - 130	30
1,1-Dichloroethane	ND	94	93	1.1	93	90	3.3	70 - 130	30

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethene	ND	81	89	9.4	87	98	11.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	112	97	14.4	110	96	13.6	70 - 130	30	
1,2,4-Trichlorobenzene	ND	110	97	12.6	113	103	9.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	108	112	3.6	99	93	6.3	70 - 130	30	
1,2-Dibromoethane	ND	98	99	1.0	96	90	6.5	70 - 130	30	
1,2-Dichlorobenzene	ND	103	104	1.0	104	106	1.9	70 - 130	30	
1,2-Dichloroethane	ND	99	98	1.0	95	90	5.4	70 - 130	30	
1,2-Dichloropropane	ND	100	99	1.0	94	93	1.1	70 - 130	30	
1,3-Dichlorobenzene	ND	106	103	2.9	107	109	1.9	70 - 130	30	
1,4-Dichlorobenzene	ND	105	103	1.9	107	109	1.9	70 - 130	30	
1,4-dioxane	ND	94	86	8.9	112	NC	NC	70 - 130	30	
2-Hexanone	ND	96	101	5.1	82	73	11.6	70 - 130	30	
4-Methyl-2-pentanone	ND	96	98	2.1	89	79	11.9	70 - 130	30	
Acetone	ND	72	86	17.7	42	<40	NC	70 - 130	30	m
Benzene	ND	98	96	2.1	97	97	0.0	70 - 130	30	
Bromochloromethane	ND	90	91	1.1	90	86	4.5	70 - 130	30	
Bromodichloromethane	ND	101	100	1.0	93	93	0.0	70 - 130	30	
Bromoform	ND	111	116	4.4	96	94	2.1	70 - 130	30	
Bromomethane	ND	80	70	13.3	70	64	9.0	70 - 130	30	m
Carbon Disulfide	ND	87	98	11.9	88	98	10.8	70 - 130	30	
Carbon tetrachloride	ND	102	95	7.1	95	95	0.0	70 - 130	30	
Chlorobenzene	ND	104	105	1.0	102	104	1.9	70 - 130	30	
Chloroethane	ND	85	101	17.2	<40	<40	NC	70 - 130	30	m
Chloroform	ND	96	95	1.0	93	90	3.3	70 - 130	30	
Chloromethane	ND	83	79	4.9	98	95	3.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	97	96	1.0	93	91	2.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	101	2.0	95	92	3.2	70 - 130	30	
Dibromochloromethane	ND	109	111	1.8	101	99	2.0	70 - 130	30	
Dichlorodifluoromethane	ND	76	74	2.7	106	105	0.9	70 - 130	30	
Ethylbenzene	ND	105	103	1.9	104	107	2.8	70 - 130	30	
Isopropylbenzene	ND	119	119	0.0	105	110	4.7	70 - 130	30	
m&p-Xylene	ND	106	103	2.9	104	107	2.8	70 - 130	30	
Methyl ethyl ketone	ND	55	56	1.8	51	42	19.4	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	94	94	0.0	93	87	6.7	70 - 130	30	
Methylene chloride	ND	78	91	15.4	85	91	6.8	70 - 130	30	
o-Xylene	ND	110	109	0.9	52	54	3.8	70 - 130	30	m
Styrene	ND	109	114	4.5	51	52	1.9	70 - 130	30	m
Tetrachloroethene	ND	106	105	0.9	106	110	3.7	70 - 130	30	
Toluene	ND	99	96	3.1	97	98	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	93	91	2.2	97	92	5.3	70 - 130	30	
trans-1,3-Dichloropropene	ND	99	98	1.0	92	89	3.3	70 - 130	30	
Trichloroethene	ND	99	96	3.1	94	96	2.1	70 - 130	30	
Trichlorofluoromethane	ND	96	96	0.0	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	88	94	6.6	91	100	9.4	70 - 130	30	
Vinyl chloride	ND	91	83	9.2	87	82	5.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	98	100	2.0	98	98	0.0	70 - 130	30	
% Bromofluorobenzene	93	100	101	1.0	99	100	1.0	70 - 130	30	
% Dibromofluoromethane	100	100	98	2.0	99	97	2.0	70 - 130	30	
% Toluene-d8	102	101	100	1.0	100	99	1.0	70 - 130	30	

QA/QC Batch 217638, QC Sample No: BD14050 (BD14037, BD14043, BD14044, BD14047, BD14049, BD14050)

Volatiles - Ground Water

1,1,1-Trichloroethane	ND	112	111	0.9	110	106	3.7	70 - 130	30
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QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1,2,2-Tetrachloroethane	ND	100	105	4.9	102	99	3.0	70 - 130	30	
1,1,2-Trichloroethane	ND	104	110	5.6	102	101	1.0	70 - 130	30	
1,1-Dichloroethane	ND	108	109	0.9	111	106	4.6	70 - 130	30	
1,1-Dichloroethene	ND	99	98	1.0	110	106	3.7	70 - 130	30	
1,2,3-Trichlorobenzene	ND	96	104	8.0	94	94	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	102	106	3.8	90	91	1.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	100	109	8.6	93	95	2.1	70 - 130	30	
1,2-Dibromoethane	ND	103	110	6.6	101	99	2.0	70 - 130	30	
1,2-Dichlorobenzene	ND	99	103	4.0	99	95	4.1	70 - 130	30	
1,2-Dichloroethane	ND	104	109	4.7	107	103	3.8	70 - 130	30	
1,2-Dichloropropane	ND	105	110	4.7	106	101	4.8	70 - 130	30	
1,3-Dichlorobenzene	ND	105	108	2.8	101	97	4.0	70 - 130	30	
1,4-Dichlorobenzene	ND	102	104	1.9	99	96	3.1	70 - 130	30	
1,4-dioxane	ND	>150	>150	NC	NC	NC	NC	70 - 130	30	I
2-Hexanone	ND	107	116	8.1	104	108	3.8	70 - 130	30	
4-Methyl-2-pentanone	ND	98	110	11.5	102	101	1.0	70 - 130	30	
Acetone	ND	75	85	12.5	105	100	4.9	70 - 130	30	
Benzene	ND	102	106	3.8	108	103	4.7	70 - 130	30	
Bromochloromethane	ND	105	108	2.8	109	105	3.7	70 - 130	30	
Bromodichloromethane	ND	102	109	6.6	104	101	2.9	70 - 130	30	
Bromoform	ND	104	110	5.6	102	104	1.9	70 - 130	30	
Bromomethane	ND	102	119	15.4	98	116	16.8	70 - 130	30	
Carbon Disulfide	ND	102	101	1.0	104	101	2.9	70 - 130	30	
Carbon tetrachloride	ND	111	112	0.9	113	106	6.4	70 - 130	30	
Chlorobenzene	ND	103	105	1.9	102	98	4.0	70 - 130	30	
Chloroethane	ND	101	102	1.0	115	109	5.4	70 - 130	30	
Chloroform	ND	108	109	0.9	109	106	2.8	70 - 130	30	
Chloromethane	ND	94	91	3.2	106	103	2.9	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	111	3.7	109	104	4.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	103	109	5.7	96	93	3.2	70 - 130	30	
Dibromochloromethane	ND	104	111	6.5	103	101	2.0	70 - 130	30	
Dichlorodifluoromethane	ND	77	75	2.6	100	96	4.1	70 - 130	30	
Ethylbenzene	ND	104	105	1.0	106	100	5.8	70 - 130	30	
Isopropylbenzene	ND	120	120	0.0	106	98	7.8	70 - 130	30	
m&p-Xylene	ND	106	108	1.9	107	101	5.8	70 - 130	30	
Methyl ethyl ketone	ND	115	142	21.0	132	129	2.3	70 - 130	30	I,m
Methyl t-butyl ether (MTBE)	ND	103	112	8.4	105	104	1.0	70 - 130	30	
Methylene chloride	ND	89	91	2.2	92	89	3.3	70 - 130	30	
o-Xylene	ND	106	108	1.9	53	50	5.8	70 - 130	30	m
Styrene	ND	109	111	1.8	53	50	5.8	70 - 130	30	m
Tetrachloroethene	ND	106	105	0.9	101	96	5.1	70 - 130	30	
Toluene	ND	104	106	1.9	105	102	2.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	109	108	0.9	109	104	4.7	70 - 130	30	
trans-1,3-Dichloropropene	ND	103	110	6.6	96	95	1.0	70 - 130	30	
Trichloroethene	ND	108	108	0.0	105	99	5.9	70 - 130	30	
Trichlorofluoromethane	ND	112	113	0.9	110	106	3.7	70 - 130	30	
Trichlorotrifluoroethane	ND	112	110	1.8	106	100	5.8	70 - 130	30	
Vinyl chloride	ND	110	108	1.8	109	104	4.7	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	97	99	2.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	94	102	101	1.0	103	101	2.0	70 - 130	30	
% Dibromofluoromethane	102	101	103	2.0	103	101	2.0	70 - 130	30	
% Toluene-d8	101	99	100	1.0	100	99	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBD14031

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

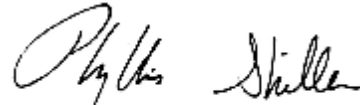
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

January 15, 2013

Sample Criteria Exceedences Report

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14033	\$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BD14033	\$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BD14033	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3600	2400	2400	ug/Kg
BD14033	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3600	800	800	ug/Kg
BD14033	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benz(a)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Chrysene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(b)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	800	800	ug/Kg
BD14033	\$8270_TCLR	Benzo(k)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	800	800	ug/Kg
BD14033	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Benzo(a)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14033	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	500	500	ug/Kg
BD14033	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	500	500	ug/Kg
BD14033	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	500	500	ug/Kg
BD14033	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg
BD14033	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BD14033	\$8270_TCLR	Dibenz(a,h)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	330	330	ug/Kg
BD14033	\$PEST_SMR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	34	20	20	ug/Kg
BD14033	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	11	5	5	ug/Kg
BD14033	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	22	3.3	3.3	ug/Kg
BD14033	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	11	5	5	ug/Kg
BD14033	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	69	14	14	ug/Kg
BD14033	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	22	3.3	3.3	ug/Kg
BD14033	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	24	22	3.3	3.3	ug/Kg
BD14033	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.06	0.18	0.18	mg/Kg
BD14033	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	141	3.3	63	63	mg/Kg
BD14033	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	151	3.3	109	109	mg/Kg
BD14035	\$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BD14035	\$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BD14035	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3700	2400	2400	ug/Kg
BD14035	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3700	800	800	ug/Kg
BD14035	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg

Sample Criteria Exceedences Report

GBD14031 - TENEN

Requested Criteria: 375, 375RS, CP51S, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14035	\$8270_TCLR	Benz(a)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Chrysene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(b)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	800	800	ug/Kg
BD14035	\$8270_TCLR	Benzo(k)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	800	800	ug/Kg
BD14035	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Benzo(a)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	1000	1000	ug/Kg
BD14035	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	500	500	ug/Kg
BD14035	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	500	500	ug/Kg
BD14035	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	500	500	ug/Kg
BD14035	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2600	330	330	ug/Kg
BD14035	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2600	330	330	ug/Kg
BD14035	\$8270_TCLR	Dibenz(a,h)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2600	330	330	ug/Kg
BD14035	\$PEST_SMR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	36	20	20	ug/Kg
BD14035	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	11	5	5	ug/Kg
BD14035	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	22	3.3	3.3	ug/Kg
BD14035	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	11	5	5	ug/Kg
BD14035	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	71	14	14	ug/Kg
BD14035	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	22	3.3	3.3	ug/Kg
BD14035	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	22	3.3	3.3	ug/Kg
BD14035	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	89.6	0.35	63	63	mg/Kg
BD14035	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	225	3.5	109	109	mg/Kg
BD14037	\$8260_TCLR	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	7.3	5.0	7	7	ug/L
BD14037	\$8260_TCLR	Chloroform	NY / TOGS - Water Quality / GA Criteria	7.3	5.0	7	7	ug/L
BD14037	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14037	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14037	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14037	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L
BD14037	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14037	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14037	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14037	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD14037	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BD14037	\$TCL_SIMWM	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.12	0.020	0.002	0.002	ug/L
BD14037	\$TCL_SIMWM	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.12	0.020	0.002	0.002	ug/L

Sample Criteria Exceedences Report**GBD14031 - TENEN**

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14037	STCL_SIMWM	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.11	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.11	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.09	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.09	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.04	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.08	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.020	0.002	0.002	ug/L
BD14037	STCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.04	0.020	0.002	0.002	ug/L
BD14037	STCL_WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BD14037	STCL_WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD14037	STCL_WMR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14037	STCL_WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14037	STCL_WMR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14037	STCL_WMR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14037	STCL_WMR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14037	STCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14037	STCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14037	STCL_WMR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14037	STCL_WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14037	STCL_WMR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14037	STCL_WMR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14037	STCL_WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14037	STCL_WMR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14037	STCL_WMR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14037	D-MN	Manganese (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.350	0.001	0.3	0.3	mg/L
BD14037	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	75.6	1.1	20	20	mg/L
BD14037	MN-WM	Manganese	NY / TOGS - Water Quality / GA Criteria	0.373	0.001	0.3	0.3	mg/L
BD14037	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	77.7	1.0	20	20	mg/L

Sample Criteria Exceedences Report

GBD14031 - TENEN

Requested Criteria: 375, 375RS, CP51S, GW

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14038	\$8270_TCLR	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	ug/Kg
BD14038	\$8270_TCLR	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	ug/Kg
BD14038	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Residential	ND	3500	2400	2400	ug/Kg
BD14038	\$8270_TCLR	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	3500	800	800	ug/Kg
BD14038	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benz(a)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Chrysene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(b)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	800	800	ug/Kg
BD14038	\$8270_TCLR	Benzo(k)fluoranthene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	800	800	ug/Kg
BD14038	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Benzo(a)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	1000	1000	ug/Kg
BD14038	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	500	500	ug/Kg
BD14038	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	500	500	ug/Kg
BD14038	\$8270_TCLR	Indeno(1,2,3-cd)pyrene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	500	500	ug/Kg
BD14038	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	ND	2500	330	330	ug/Kg
BD14038	\$8270_TCLR	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	2500	330	330	ug/Kg
BD14038	\$8270_TCLR	Dibenz(a,h)anthracene	NY / CP-51 Soil Cleanup / Gas & Fuel Oil Criteria	ND	2500	330	330	ug/Kg
BD14038	\$PEST_SMR	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	34	20	20	ug/Kg
BD14038	\$PEST_SMR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	10	5	5	ug/Kg
BD14038	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	21	3.3	3.3	ug/Kg
BD14038	\$PEST_SMR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	10	5	5	ug/Kg
BD14038	\$PEST_SMR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	67	14	14	ug/Kg
BD14038	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	21	3.3	3.3	ug/Kg
BD14038	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND*	21	3.3	3.3	ug/Kg
BD14040	\$PEST_SMR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.2	7.2	3.3	3.3	ug/Kg
BD14040	\$PEST_SMR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.2	3.3	3.3	ug/Kg
BD14040	\$PEST_SMR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	27	7.2	3.3	3.3	ug/Kg
BD14040	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.23	0.06	0.18	0.18	mg/Kg
BD14043	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14043	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14043	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14043	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L

Sample Criteria Exceedences Report

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14043	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14043	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14043	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14043	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD14043	SPEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BD14043	STCL_SIMWM	Hexachlorobutadiene	NY / TOGS - Water Quality / GA Criteria	ND	0.54	0.5	0.5	ug/L
BD14043	STCL_SIMWM	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.022	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.022	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.022	0.002	0.002	ug/L
BD14043	STCL_WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.4	0.4	0.4	ug/L
BD14043	STCL_WMR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	11	5	5	ug/L
BD14043	STCL_WMR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD14043	STCL_WMR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	5.4	5	5	ug/L
BD14043	STCL_WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	1	1	ug/L
BD14043	STCL_WMR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS, CP51S, GW

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14043	\$TCL_WMR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	\$TCL_WMR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.4	5	5	ug/L
BD14043	\$TCL_WMR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	27	1	1	ug/L
BD14043	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	\$TCL_WMR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	5.4	5	5	ug/L
BD14043	\$TCL_WMR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	27	1	1	ug/L
BD14043	\$TCL_WMR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	27	5	5	ug/L
BD14043	\$TCL_WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	27	1	1	ug/L
BD14043	\$TCL_WMR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.4	1	1	ug/L
BD14043	\$TCL_WMR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	11	5	5	ug/L
BD14043	\$TCL_WMR	Benzo(ghi)perylene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.4	5	5	ug/L
BD14043	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	54.6	1.1	20	20	mg/L
BD14043	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	59.2	0.1	20	20	mg/L
BD14044	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14044	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14044	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14044	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L
BD14044	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14044	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14044	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14044	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD14044	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L
BD14044	\$TCL_SIMWM	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14044	\$TCL_WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L

Sample Criteria Exceedences Report

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14044	\$TCL_WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BD14044	\$TCL_WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD14044	\$TCL_WMR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14044	\$TCL_WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14044	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14044	\$TCL_WMR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14044	\$TCL_WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14044	\$TCL_WMR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14044	\$TCL_WMR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14044	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	55.3	0.11	20	20	mg/L
BD14044	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	53.4	1.0	20	20	mg/L
BD14045	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	58.2	0.36	30	30	mg/Kg
BD14047	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14047	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14047	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14047	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L
BD14047	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14047	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14047	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14047	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD14047	\$PEST_GAWR	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.06	0.06	ug/L

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS, CP51S, GW

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14047	\$TCL_SIMWM	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.020	0.002	0.002	ug/L
BD14047	\$TCL_WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BD14047	\$TCL_WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD14047	\$TCL_WMR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14047	\$TCL_WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14047	\$TCL_WMR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14047	\$TCL_WMR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14047	\$TCL_WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14047	\$TCL_WMR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14047	\$TCL_WMR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14047	D-AL	Aluminum (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.11	0.01	0.1	0.1	mg/L
BD14047	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	130	1.1	20	20	mg/L

Sample Criteria Exceedences Report

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14047	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	122	1.0	20	20	mg/L
BD14048	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14048	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14048	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14048	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L
BD14048	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14048	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14048	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14048	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD14048	\$TCL_SIMWM	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.07	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.07	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.06	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.06	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.020	0.002	0.002	ug/L
BD14048	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.03	0.020	0.002	0.002	ug/L
BD14048	\$TCL_WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	0.4	0.4	ug/L
BD14048	\$TCL_WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	10	5	5	ug/L
BD14048	\$TCL_WMR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14048	\$TCL_WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS, CP51S, GW

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14048	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14048	\$TCL_WMR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14048	\$TCL_WMR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	25	5	5	ug/L
BD14048	\$TCL_WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	25	1	1	ug/L
BD14048	\$TCL_WMR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	5.0	1	1	ug/L
BD14048	\$TCL_WMR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	10	5	5	ug/L
BD14049	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14049	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14049	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14049	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L
BD14049	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14049	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14049	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14049	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L
BD14049	\$TCL_SIMWM	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_SIMWM	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
BD14049	\$TCL_WMR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	Bis(2-chloroethyl)ether	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	2-Methylphenol (o-cresol)	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	Nitrobenzene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	Nitrobenzene	NY / TOGS - Water Quality / GA Criteria	ND	6.1	0.4	0.4	ug/L
BD14049	\$TCL_WMR	2-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	Bis(2-chloroethoxy)methane	NY / TOGS - Water Quality / GA Criteria	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	1	1	ug/L

Sample Criteria Exceedences Report

Requested Criteria: 375, 375RS, CP51S, GW

GBD14031 - TENEN

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BD14049	\$TCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	Naphthalene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	4-Chloroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	12	5	5	ug/L
BD14049	\$TCL_WMR	4-Chloroaniline	NY / TOGS - Water Quality / GA Criteria	ND	12	5	5	ug/L
BD14049	\$TCL_WMR	4-Chloro-3-methylphenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	Hexachlorocyclopentadiene	NY / TOGS - Water Quality / GA Criteria	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	4-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	2,6-Dinitrotoluene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2,6-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	3-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	3-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	2,4-Dinitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	30	1	1	ug/L
BD14049	\$TCL_WMR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	Dibenzofuran	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	2,4-Dinitrotoluene	NY / TOGS - Water Quality / GA Criteria	ND	6.1	5	5	ug/L
BD14049	\$TCL_WMR	4-Nitrophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	30	1	1	ug/L
BD14049	\$TCL_WMR	2-Nitroaniline	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	2-Nitroaniline	NY / TOGS - Water Quality / GA Criteria	ND	30	5	5	ug/L
BD14049	\$TCL_WMR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	30	1	1	ug/L
BD14049	\$TCL_WMR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	6.1	1	1	ug/L
BD14049	\$TCL_WMR	3,3'-Dichlorobenzidine	NY / TOGS - Water Quality / GA Criteria	ND	12	5	5	ug/L
BD14049	\$TCL_WMR	Benzo(ghi)perylene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	6.1	5	5	ug/L
BD14050	\$8260_TCLR	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	2.0	0.6	0.6	ug/L
BD14050	\$8260_TCLR	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14050	\$8260_TCLR	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.4	0.4	ug/L
BD14050	\$8260_TCLR	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	3.0	1	1	ug/L
BD14050	\$8260_TCLR	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.0006	0.0006	ug/L
BD14050	\$8260_TCLR	1,3-Dichlorobenzene	NY / TOGS - Water Quality / GA Criteria	ND	5.0	3	3	ug/L
BD14050	\$8260_TCLR	1,2-Dichlorobenzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	5.0	4.7	4.7	ug/L
BD14050	\$8260_TCLR	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

January 15, 2013

SDG I.D.: GBD14031

The samples in this delivery group were received at 4°C.
(Note acceptance criteria is above freezing up to 6°C)



Friday, January 04, 2013

Attn: Mr Matthew Carroll
Tenen Environmental
121 West 27th Street
New York, NY 10001

Project ID: 217 WEST 28TH STREET
Sample ID#s: BD14027 - BD14030

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 04, 2013

FOR: Attn: Mr Matthew Carroll
Tenen Environmental
121 West 27th Street
New York, NY 10001

Sample Information

Matrix: AIR
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by: MC
Received by: SW
Analyzed by: see "By" below

Date Time
12/26/12 14:30
12/28/12 17:58

Laboratory Data

SDG ID: GBD14027
Phoenix ID: BD14027

Project ID: 217 WEST 28TH STREET
Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/31/12	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/31/12	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/31/12	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/31/12	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	12/31/12	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	12/31/12	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/31/12	KCA	TO15
1,2,4-Trimethylbenzene	0.32	0.204	1.57	1.00	12/31/12	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/31/12	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/31/12	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	12/31/12	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	12/31/12	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/31/12	KCA	TO15
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	12/31/12	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	12/31/12	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/31/12	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/31/12	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	12/31/12	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/31/12	KCA	TO15 1
4-Ethyltoluene	ND	0.204	ND	1.00	12/31/12	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	12/31/12	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	12/31/12	KCA	TO15
Acetone	33.6	0.421	79.8	1.00	12/31/12	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	12/31/12	KCA	TO15
Benzene	5.15	0.313	16.4	1.00	12/31/12	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	12/31/12	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	12/31/12	KCA	TO15

Client ID: SV-4

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	12/31/12	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	12/31/12	KCA	TO15
Carbon Disulfide	1.16	0.321	3.61	1.00	12/31/12	KCA	TO15
Carbon Tetrachloride	0.08	0.040	0.503	0.25	12/31/12	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	12/31/12	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	12/31/12	KCA	TO15
Chloroform	16.9	0.205	82.5	1.00	12/31/12	KCA	TO15
Chloromethane	1	0.484	2.06	1.00	12/31/12	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	12/31/12	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	12/31/12	KCA	TO15 1
Cyclohexane	0.88	0.291	3.03	1.00	12/31/12	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	12/31/12	KCA	TO15
Dichlorodifluoromethane	0.61	0.202	3.01	1.00	12/31/12	KCA	TO15
Ethanol	54.9	E 0.531	103	1.00	12/31/12	KCA	TO15 1
Ethyl acetate	0.36	0.278	1.30	1.00	12/31/12	KCA	TO15 1
Ethylbenzene	0.38	0.230	1.65	1.00	12/31/12	KCA	TO15
Heptane	1.05	0.244	4.30	1.00	12/31/12	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	12/31/12	KCA	TO15
Hexane	ND	0.284	ND	1.00	12/31/12	KCA	TO15
Isopropylalcohol	15.5	0.407	38.1	1.00	12/31/12	KCA	TO15
Isopropylbenzene	0.35	0.204	1.72	1.00	12/31/12	KCA	TO15
m,p-Xylene	1.54	0.230	6.68	1.00	12/31/12	KCA	TO15
Methyl Ethyl Ketone	ND	0.339	ND	1.00	12/31/12	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/31/12	KCA	TO15
Methylene Chloride	0.64	0.288	2.22	1.00	12/31/12	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	12/31/12	KCA	TO15 1
o-Xylene	0.44	0.230	1.91	1.00	12/31/12	KCA	TO15
Propylene	ND	0.581	ND	1.00	12/31/12	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	12/31/12	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	12/31/12	KCA	TO15
Tetrachloroethene	0.4	0.037	2.71	0.25	12/31/12	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	12/31/12	KCA	TO15 1
Toluene	3.85	0.266	14.5	1.00	12/31/12	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/31/12	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	12/31/12	KCA	TO15
Trichloroethene	0.36	0.047	1.93	0.25	12/31/12	KCA	TO15
Trichlorofluoromethane	0.33	0.178	1.85	1.00	12/31/12	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	12/31/12	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	12/31/12	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	106	%	106	%	12/31/12	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

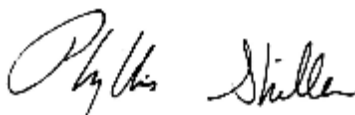
BRL=Below Reporting Level

Comments:

E = Estimated value quantitated above calibration range for this compound.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 04, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 04, 2013

FOR: Attn: Mr Matthew Carroll
Tenen Environmental
121 West 27th Street
New York, NY 10001

Sample Information

Matrix: AIR
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by: MC
Received by: SW
Analyzed by: see "By" below

Date Time
12/26/12 13:25
12/28/12 17:58

Laboratory Data

SDG ID: GBD14027
Phoenix ID: BD14028

Project ID: 217 WEST 28TH STREET
Client ID: SV-3

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	12/31/12	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	12/31/12	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	12/31/12	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	12/31/12	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	12/31/12	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	12/31/12	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	12/31/12	KCA	TO15
1,2,4-Trimethylbenzene	1.81	0.204	8.89	1.00	12/31/12	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	12/31/12	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	12/31/12	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	12/31/12	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	12/31/12	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	12/31/12	KCA	TO15
1,3,5-Trimethylbenzene	0.47	0.204	2.31	1.00	12/31/12	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	12/31/12	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	12/31/12	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	12/31/12	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	12/31/12	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	12/31/12	KCA	TO15 1
4-Ethyltoluene	0.45	0.204	2.21	1.00	12/31/12	KCA	TO15 1
4-Isopropyltoluene	0.32	0.182	1.76	1.00	12/31/12	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	12/31/12	KCA	TO15
Acetone	25.2	0.421	59.8	1.00	12/31/12	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	12/31/12	KCA	TO15
Benzene	2.93	0.313	9.35	1.00	12/31/12	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	12/31/12	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	12/31/12	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	12/31/12	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	12/31/12	KCA	TO15
Carbon Disulfide	4.69	0.321	14.6	1.00	12/31/12	KCA	TO15
Carbon Tetrachloride	0.06	0.040	0.377	0.25	12/31/12	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	12/31/12	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	12/31/12	KCA	TO15
Chloroform	6.94	0.205	33.9	1.00	12/31/12	KCA	TO15
Chloromethane	ND	0.484	ND	1.00	12/31/12	KCA	TO15
Cis-1,2-Dichloroethene	0.34	0.252	1.35	1.00	12/31/12	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	12/31/12	KCA	TO15 1
Cyclohexane	ND	0.291	ND	1.00	12/31/12	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	12/31/12	KCA	TO15
Dichlorodifluoromethane	0.55	0.202	2.72	1.00	12/31/12	KCA	TO15
Ethanol	26.3	0.531	49.5	1.00	12/31/12	KCA	TO15 1
Ethyl acetate	0.93	0.278	3.35	1.00	12/31/12	KCA	TO15 1
Ethylbenzene	1.81	0.230	7.85	1.00	12/31/12	KCA	TO15
Heptane	2.74	0.244	11.2	1.00	12/31/12	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	12/31/12	KCA	TO15
Hexane	ND	0.284	ND	1.00	12/31/12	KCA	TO15
Isopropylalcohol	7.24	0.407	17.8	1.00	12/31/12	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	12/31/12	KCA	TO15
m,p-Xylene	5.86	0.230	25.4	1.00	12/31/12	KCA	TO15
Methyl Ethyl Ketone	ND	0.339	ND	1.00	12/31/12	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	12/31/12	KCA	TO15
Methylene Chloride	0.44	0.288	1.53	1.00	12/31/12	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	12/31/12	KCA	TO15 1
o-Xylene	2.4	0.230	10.4	1.00	12/31/12	KCA	TO15
Propylene	ND	0.581	ND	1.00	12/31/12	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	12/31/12	KCA	TO15 1
Styrene	0.33	0.235	1.40	1.00	12/31/12	KCA	TO15
Tetrachloroethene	0.95	0.037	6.44	0.25	12/31/12	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	12/31/12	KCA	TO15 1
Toluene	7.03	0.266	26.5	1.00	12/31/12	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	12/31/12	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	12/31/12	KCA	TO15
Trichloroethene	0.49	0.047	2.63	0.25	12/31/12	KCA	TO15
Trichlorofluoromethane	0.23	0.178	1.29	1.00	12/31/12	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	12/31/12	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	12/31/12	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	103	%	103	%	12/31/12	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

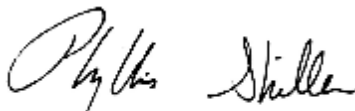
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 04, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 04, 2013

FOR: Attn: Mr Matthew Carroll
Tenen Environmental
121 West 27th Street
New York, NY 10001

Sample Information

Matrix: AIR
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by: MC
Received by: SW
Analyzed by: see "By" below

Date Time
12/26/12 13:30
12/28/12 17:58

Laboratory Data

SDG ID: GBD14027
Phoenix ID: BD14029

Project ID: 217 WEST 28TH STREET
Client ID: SV-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	01/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	01/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	01/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	01/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	01/01/13	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	01/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	01/01/13	KCA	TO15
1,2,4-Trimethylbenzene	0.37	0.204	1.82	1.00	01/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	01/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	01/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	01/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	01/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	01/01/13	KCA	TO15
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	01/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	01/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	01/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	01/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	01/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	01/01/13	KCA	TO15 1
4-Ethyltoluene	ND	0.204	ND	1.00	01/01/13	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	01/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	01/01/13	KCA	TO15
Acetone	43.2	0.421	102	1.00	01/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	01/01/13	KCA	TO15
Benzene	3.22	0.313	10.3	1.00	01/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	01/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	01/01/13	KCA	TO15

Client ID: SV-1

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	01/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	01/01/13	KCA	TO15
Carbon Disulfide	0.81	0.321	2.52	1.00	01/01/13	KCA	TO15
Carbon Tetrachloride	0.13	0.040	0.817	0.25	01/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	01/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	01/01/13	KCA	TO15
Chloroform	5.79	0.205	28.2	1.00	01/01/13	KCA	TO15
Chloromethane	2.05	0.484	4.23	1.00	01/01/13	KCA	TO15
Cis-1,2-Dichloroethene	0.32	0.252	1.27	1.00	01/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	01/01/13	KCA	TO15 1
Cyclohexane	ND	0.291	ND	1.00	01/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	01/01/13	KCA	TO15
Dichlorodifluoromethane	0.53	0.202	2.62	1.00	01/01/13	KCA	TO15
Ethanol	22.1	0.531	41.6	1.00	01/01/13	KCA	TO15 1
Ethyl acetate	0.83	0.278	2.99	1.00	01/01/13	KCA	TO15 1
Ethylbenzene	0.49	0.230	2.13	1.00	01/01/13	KCA	TO15
Heptane	2.42	0.244	9.91	1.00	01/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	01/01/13	KCA	TO15
Hexane	ND	0.284	ND	1.00	01/01/13	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	01/01/13	KCA	TO15
Isopropylbenzene	0.25	0.204	1.23	1.00	01/01/13	KCA	TO15
m,p-Xylene	1.7	0.230	7.38	1.00	01/01/13	KCA	TO15
Methyl Ethyl Ketone	3.05	0.339	8.99	1.00	01/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	3.12	0.278	11.2	1.00	01/01/13	KCA	TO15
Methylene Chloride	0.67	0.288	2.32	1.00	01/01/13	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	01/01/13	KCA	TO15 1
o-Xylene	0.62	0.230	2.69	1.00	01/01/13	KCA	TO15
Propylene	ND	0.581	ND	1.00	01/01/13	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	01/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	01/01/13	KCA	TO15
Tetrachloroethene	1.96	0.037	13.3	0.25	01/01/13	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	01/01/13	KCA	TO15 1
Toluene	3.28	0.266	12.4	1.00	01/01/13	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	01/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	01/01/13	KCA	TO15
Trichloroethene	1.04	0.047	5.58	0.25	01/01/13	KCA	TO15
Trichlorofluoromethane	0.56	0.178	3.14	1.00	01/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	01/01/13	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	01/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	104	%	104	%	01/01/13	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

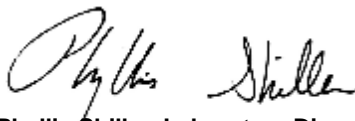
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 04, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 04, 2013

FOR: Attn: Mr Matthew Carroll
Tenen Environmental
121 West 27th Street
New York, NY 10001

Sample Information

Matrix: AIR
Location Code: TENEN
Rush Request: Standard
P.O.#:

Custody Information

Collected by: MC
Received by: SW
Analyzed by: see "By" below

Date

12/26/12
12/28/12

Time

14:25
17:58

Laboratory Data

SDG ID: GBD14027
Phoenix ID: BD14030

Project ID: 217 WEST 28TH STREET
Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Volatiles (TO15)							
1,1,1,2-Tetrachloroethane	ND	0.146	ND	1.00	01/01/13	KCA	TO15 1
1,1,1-Trichloroethane	ND	0.183	ND	1.00	01/01/13	KCA	TO15
1,1,2,2-Tetrachloroethane	ND	0.146	ND	1.00	01/01/13	KCA	TO15
1,1,2-Trichloroethane	ND	0.183	ND	1.00	01/01/13	KCA	TO15
1,1-Dichloroethane	ND	0.247	ND	1.00	01/01/13	KCA	TO15
1,1-Dichloroethene	ND	0.252	ND	1.00	01/01/13	KCA	TO15
1,2,4-Trichlorobenzene	ND	0.135	ND	1.00	01/01/13	KCA	TO15
1,2,4-Trimethylbenzene	ND	0.204	ND	1.00	01/01/13	KCA	TO15
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	01/01/13	KCA	TO15
1,2-Dichlorobenzene	ND	0.166	ND	1.00	01/01/13	KCA	TO15
1,2-Dichloroethane	ND	0.247	ND	1.00	01/01/13	KCA	TO15
1,2-dichloropropane	ND	0.216	ND	1.00	01/01/13	KCA	TO15
1,2-Dichlorotetrafluoroethane	ND	0.143	ND	1.00	01/01/13	KCA	TO15
1,3,5-Trimethylbenzene	ND	0.204	ND	1.00	01/01/13	KCA	TO15
1,3-Butadiene	ND	0.452	ND	1.00	01/01/13	KCA	TO15
1,3-Dichlorobenzene	ND	0.166	ND	1.00	01/01/13	KCA	TO15
1,4-Dichlorobenzene	ND	0.166	ND	1.00	01/01/13	KCA	TO15
1,4-Dioxane	ND	0.278	ND	1.00	01/01/13	KCA	TO15
2-Hexanone(MBK)	ND	0.244	ND	1.00	01/01/13	KCA	TO15 1
4-Ethyltoluene	ND	0.204	ND	1.00	01/01/13	KCA	TO15 1
4-Isopropyltoluene	ND	0.182	ND	1.00	01/01/13	KCA	TO15 1
4-Methyl-2-pentanone(MIBK)	ND	0.244	ND	1.00	01/01/13	KCA	TO15
Acetone	18.9	0.421	44.9	1.00	01/01/13	KCA	TO15
Acrylonitrile	ND	0.461	ND	1.00	01/01/13	KCA	TO15
Benzene	1.56	0.313	4.98	1.00	01/01/13	KCA	TO15
Benzyl chloride	ND	0.193	ND	1.00	01/01/13	KCA	TO15
Bromodichloromethane	ND	0.149	ND	1.00	01/01/13	KCA	TO15

Client ID: SV-2

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
Bromoform	ND	0.097	ND	1.00	01/01/13	KCA	TO15
Bromomethane	ND	0.258	ND	1.00	01/01/13	KCA	TO15
Carbon Disulfide	0.38	0.321	1.18	1.00	01/01/13	KCA	TO15
Carbon Tetrachloride	0.07	0.040	0.440	0.25	01/01/13	KCA	TO15
Chlorobenzene	ND	0.217	ND	1.00	01/01/13	KCA	TO15
Chloroethane	ND	0.379	ND	1.00	01/01/13	KCA	TO15
Chloroform	6.63	0.205	32.4	1.00	01/01/13	KCA	TO15
Chloromethane	0.76	0.484	1.57	1.00	01/01/13	KCA	TO15
Cis-1,2-Dichloroethene	ND	0.252	ND	1.00	01/01/13	KCA	TO15
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	01/01/13	KCA	TO15 1
Cyclohexane	0.31	0.291	1.07	1.00	01/01/13	KCA	TO15
Dibromochloromethane	ND	0.117	ND	1.00	01/01/13	KCA	TO15
Dichlorodifluoromethane	0.5	0.202	2.47	1.00	01/01/13	KCA	TO15
Ethanol	18.9	0.531	35.6	1.00	01/01/13	KCA	TO15 1
Ethyl acetate	ND	0.278	ND	1.00	01/01/13	KCA	TO15 1
Ethylbenzene	ND	0.230	ND	1.00	01/01/13	KCA	TO15
Heptane	0.34	0.244	1.39	1.00	01/01/13	KCA	TO15
Hexachlorobutadiene	ND	0.094	ND	1.00	01/01/13	KCA	TO15
Hexane	2.16	0.284	7.61	1.00	01/01/13	KCA	TO15
Isopropylalcohol	ND	0.407	ND	1.00	01/01/13	KCA	TO15
Isopropylbenzene	ND	0.204	ND	1.00	01/01/13	KCA	TO15
m,p-Xylene	0.33	0.230	1.43	1.00	01/01/13	KCA	TO15
Methyl Ethyl Ketone	2.1	0.339	6.19	1.00	01/01/13	KCA	TO15
Methyl tert-butyl ether(MTBE)	ND	0.278	ND	1.00	01/01/13	KCA	TO15
Methylene Chloride	1.1	0.288	3.82	1.00	01/01/13	KCA	TO15
n-Butylbenzene	ND	0.182	ND	1.00	01/01/13	KCA	TO15 1
o-Xylene	ND	0.230	ND	1.00	01/01/13	KCA	TO15
Propylene	ND	0.581	ND	1.00	01/01/13	KCA	TO15 1
sec-Butylbenzene	ND	0.182	ND	1.00	01/01/13	KCA	TO15 1
Styrene	ND	0.235	ND	1.00	01/01/13	KCA	TO15
Tetrachloroethene	0.55	0.037	3.73	0.25	01/01/13	KCA	TO15
Tetrahydrofuran	ND	0.339	ND	1.00	01/01/13	KCA	TO15 1
Toluene	0.88	0.266	3.31	1.00	01/01/13	KCA	TO15
Trans-1,2-Dichloroethene	ND	0.252	ND	1.00	01/01/13	KCA	TO15
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	01/01/13	KCA	TO15
Trichloroethene	0.83	0.047	4.46	0.25	01/01/13	KCA	TO15
Trichlorofluoromethane	0.27	0.178	1.52	1.00	01/01/13	KCA	TO15
Trichlorotrifluoroethane	ND	0.130	ND	1.00	01/01/13	KCA	TO15
Vinyl Chloride	ND	0.098	ND	0.25	01/01/13	KCA	TO15
<u>QA/QC Surrogates</u>							
% Bromofluorobenzene	105	%	105	%	01/01/13	KCA	TO15

Parameter	ppbv Result	ppbv RL	ug/m3 Result	ug/m3 RL	Date/Time	By	Reference
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1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.

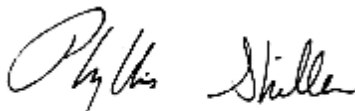
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected

BRL=Below Reporting Level

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

January 04, 2013

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

January 04, 2013

QA/QC Data

SDG I.D.: GBD14027

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 217550, QC Sample No: BD14024 (BD14027, BD14028, BD14029, BD14030)										
<u>Volatiles</u>										
1,1,1,2-Tetrachloroethane	ND	ND	110	ND	ND	ND	ND	NC	70 - 130	20
1,1,1-Trichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1,2,2-Tetrachloroethane	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
1,1,2-Trichloroethane	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,1-Dichloroethene	ND	ND	105	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trichlorobenzene	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
1,2,4-Trimethylbenzene	ND	ND	97	43.2	43.3	8.79	8.82	0.3	70 - 130	20
1,2-Dibromoethane(EDB)	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorobenzene	ND	ND	89	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichloroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,2-dichloropropane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,2-Dichlorotetrafluoroethane	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
1,3,5-Trimethylbenzene	ND	ND	95	20.6	20.6	4.19	4.2	0.2	70 - 130	20
1,3-Butadiene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
1,3-Dichlorobenzene	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dichlorobenzene	ND	ND	90	ND	ND	ND	ND	NC	70 - 130	20
1,4-Dioxane	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
2-Hexanone(MBK)	ND	ND	104	ND	ND	ND	ND	NC	70 - 130	20
4-Ethyltoluene	ND	ND	98	17.3	19.0	3.53	3.87	9.2	70 - 130	20
4-Isopropyltoluene	ND	ND	110	3.07	2.03	0.56	0.37	40.9	70 - 130	20
4-Methyl-2-pentanone(MIBK)	ND	ND	114	3.48	2.82	0.85	0.69	20.8	70 - 130	20
Acetone	ND	ND	114	139	136	58.7	57.5	2.1	70 - 130	20
Acrylonitrile	ND	ND	103	ND	ND	ND	ND	NC	70 - 130	20
Benzene	ND	ND	98	30.9	31.2	9.69	9.77	0.8	70 - 130	20
Benzyl chloride	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Bromodichloromethane	ND	ND	106	ND	ND	ND	ND	NC	70 - 130	20
Bromoform	ND	ND	112	ND	ND	ND	ND	NC	70 - 130	20
Bromomethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Carbon Disulfide	ND	ND	93	27.5	27.2	8.85	8.75	1.1	70 - 130	20
Carbon Tetrachloride	ND	ND	106	0.377	0.314	0.06	0.05	18.2	70 - 130	20
Chlorobenzene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
Chloroethane	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Chloroform	ND	ND	104	7.08	7.08	1.45	1.45	0.0	70 - 130	20
Chloromethane	ND	ND	92	ND	ND	ND	ND	NC	70 - 130	20
Cis-1,2-Dichloroethene	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
cis-1,3-Dichloropropene	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Cyclohexane	ND	ND	96	ND	ND	ND	ND	NC	70 - 130	20
Dibromochloromethane	ND	ND	111	ND	ND	ND	ND	NC	70 - 130	20
Dichlorodifluoromethane	ND	ND	105	2.37	2.27	0.48	0.46	4.3	70 - 130	20
Ethanol	ND	ND	100	9.77	9.75	5.19	5.18	0.2	70 - 130	20

QA/QC Data

SDG I.D.: GBD14027

Parameter	Blank ppbv	Blank ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethyl acetate	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Ethylbenzene	ND	ND	101	20.6	21.1	4.75	4.87	2.5	70 - 130	20
Heptane	ND	ND	98	39.0	34.8	9.52	8.51	11.2	70 - 130	20
Hexachlorobutadiene	ND	ND	91	ND	ND	ND	ND	NC	70 - 130	20
Hexane	ND	ND	97	58.5	59.9	16.6	17	2.4	70 - 130	20
Isopropylalcohol	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
Isopropylbenzene	ND	ND	106	4.52	4.62	0.92	0.94	2.2	70 - 130	20
m,p-Xylene	ND	ND	102	68.1	68.1	15.7	15.7	0.0	70 - 130	20
Methyl Ethyl Ketone	ND	ND	93	31.2	29.5	10.6	10	5.8	70 - 130	20
Methyl tert-butyl ether(MTBE)	ND	ND	102	ND	ND	ND	ND	NC	70 - 130	20
Methylene Chloride	ND	ND	94	18.8	18.6	5.43	5.35	1.5	70 - 130	20
n-Butylbenzene	ND	ND	107	ND	2.58	ND	0.47	NC	70 - 130	20
o-Xylene	ND	ND	100	30.7	30.9	7.08	7.12	0.6	70 - 130	20
Propylene	ND	ND	101	743	745	432	433	0.2	70 - 130	20
sec-Butylbenzene	ND	ND	97	ND	ND	ND	ND	NC	70 - 130	20
Styrene	ND	ND	99	ND	ND	ND	ND	NC	70 - 130	20
Tetrachloroethene	ND	ND	104	6.91	6.24	1.02	0.92	10.3	70 - 130	20
Tetrahydrofuran	ND	ND	106	2.86	1.74	0.97	0.59	48.7	70 - 130	20
Toluene	ND	ND	103	116	104	30.8	27.7	10.6	70 - 130	20
Trans-1,2-Dichloroethene	ND	ND	100	ND	ND	ND	ND	NC	70 - 130	20
trans-1,3-Dichloropropene	ND	ND	98	ND	ND	ND	ND	NC	70 - 130	20
Trichloroethene	ND	ND	105	9.67	9.02	1.8	1.68	6.9	70 - 130	20
Trichlorofluoromethane	ND	ND	105	1.35	1.29	0.24	0.23	4.3	70 - 130	20
Trichlorotrifluoroethane	ND	ND	107	ND	ND	ND	ND	NC	70 - 130	20
Vinyl Chloride	ND	ND	101	ND	ND	ND	ND	NC	70 - 130	20
% Bromofluorobenzene	106	106	102	104	104	104	104	0.0	70 - 130	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

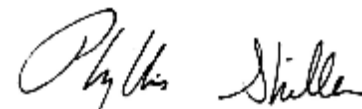
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
January 04, 2013

Friday, January 04, 2013

Requested Criteria: None

State: NY

Sample Criteria Exceedences Report

GBD14027 - TENEN

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



CHAIN OF CUSTODY RECORD
AIR ANALYSES
800-827-5426
email: greg@phoenixlabs.com

P.O. # 40 wtc Page 1 of 1

Data Delivery:

☐ Fax #:

☒ Email: mcanoll@tenen-env.com

☐ Phone #:

Report to:

Customer: Tenen Env.

Address: 121 West 27th Street

NY, NY 10001

Invoice to:

Sampled by: Matthew Canoll

Project Name: 217 West 28th Street

Criteria Requested: Deliverable: RCP ☐

MCP ☐

State where samples collected: NY

Phoenix ID #	Client Sample ID	THIS SECTION FOR LAB USE ONLY										Ambient/Indoor Air	Soil Gas	Grab (G) Composite (C)	ANALYSES	
		Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)				
		13643	6.0	-30		4955	11.0									
14027	SV-4	842	1.4	-30		5349	9.3	1205	1430	12/26/12	29	φ	X			X
14028	SV-3	773				5000		1125	1325	12/27/12	30	3-5	X			X
14029	SV-1	741				5025		1140	1330	12/27/12	28	3-5	X			X
14030	SV-2	750				5357										
		518				4499		1230	1425	12/27/12	29	φ	X			X
		752				4989										

Relinquished by:

Accepted by:

Time:

Date:

Data Format:

Excel ☒

PDF ☒

Equis ☐

Other: ☐

GISKey ☐

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION

* 5357-Regulator revd damaged. Can revd damaged 750

I attest that all media released by Phoenix Environmental Laboratories, Inc. have been received in good working condition and agree to the terms and conditions as listed on the back of this document:

Quote Number:

Signature:

Date:

14027

Bobbi - Phoenixlabs

From: Matthew Carroll [mcarroll@tenen-env.com]

Sent: Friday, December 28, 2012 7:52 PM

To: Bobbi - Phoenixlabs

Subject: Re: Air samples we are receiving today

Hi Bobbi - we understand one of the canisters/regulators were damaged. let us know what the cost will be. Can you analyze SV-1 through SV-4?

Matthew Carroll

Tenen Environmental

On Dec 28, 2012, at 6:28 PM, "Bobbi - Phoenixlabs" <bobbi@phoenixlabs.com> wrote:

Hi Matt

There are some issues with the air samples we are receiving today. SV-4, SV-3, SV-1, SV-2 on the 217 West 28th Street and SV-1, SV-2, SV-3 on 91 Franklin Ave are all being received at zero pressure (vacuum). The samples are not appropriate to analyze because we are not sure when of the sample integrity.

Also, we received one summa and one regulator damaged that we will have to bill you for. These can not be repaired and will have to be thrown out..as per the back of our chain policy we will have to bill for these. They are #5357 and can #750.

Please let me know how to proceed with the air samples...

Thank you

Bobbi

Bobbi Aloisa

Vice President

Director of Client Services

Phoenix Environmental Laboratories

587 East Middle Turnpike

Manchester, CT 06040

Ph: 860-645-8728

1/2/2013