

# ENVIRONMENTAL SITE INVESTIGATION REPORT

PROPOSED NASSAU COUNTY RECREATIONAL WALKING AREA  
1 – 15 GRUMMAN ROAD WEST, BETHPAGE NY

CLIENT:  
STEEL ONE, LLC  
700 HICKSVILLE ROAD  
BETHPAGE, NY

MAY 14 2015

## **Edgewater Environmental, Inc.**

10 Adams Place  
Huntington Station, NY 11746

Office: (631) 824-7036  
Fax: (631) 759-2919

## CONTENTS

---

1.0 INTRODUCTION.....	1
1.1 PURPOSE AND OBJECTIVE.....	1
1.2 BACKGROUND INFORMATION AND PRIOR INVESTIGATIONS.....	2
2.0 SCOPE OF THE INVESTIGATION.....	3
2.1 AREAS AND COMPOUNDS OF CONCERNS .....	3
2.2 GEOPHYSICAL SURVEY .....	4
2.3 SOIL .....	5
3.0 INVESTIGATION RESULTS .....	6
3.1 GEOPHYSICAL SURVEY .....	6
3.2 SOIL .....	6
4.0 CONCLUSIONS.....	7

## FIGURES

Figure 1 - Location Map

Figure 2 - Historical Aerial Photographs

Figure 3 - Site Plan - Sampling Locations

## TABLES

Table 1 - Volatile Organic Compounds in Soil

Table 2 - Semi-Volatile Organic Compounds in Soil

Table 3 - Metals in Soil

Table 4 - Herbicides/Pesticides/PCBs in Soil

## APPENDICES

Appendix A - Dvirka & Bartilucci Consulting Engineers - Deed Restriction letter report

Appendix B - EPhase2 - Site Report/GPR Sketch/ Boring Logs

Appendix C - Laboratory Reports

ASP Category B data deliverable and Electronic Data Deliverable Files on CD

---

## 1.0 INTRODUCTION

---

### 1.1 PURPOSE AND OBJECTIVE

---

On behalf of Steel One, LLC, (the Owner), Edgewater Environmental, Inc. (Edgewater) has prepared this Site Investigation Report to support the change of use of the south-east portion of the former Northrop-Grumman Plant 1 property adjacent to Grumman Road East. The site is located at 1-15 Grumman Road West and is identified as Tax Lots – Sect. 46, Block 323, Lots 248 & 249.

Steel One, LLC (Steel One) is contemplating recording a perpetual easement for a portion of the above-referenced property to Nassau County to be used as a recreational walking area. The deeds for the property contain a Use Restriction that can be lifted by New York State Department of Environmental Conservation (NYSDEC) (in conjunction with New York State Department of Health (NYSDOH) and Nassau County Department of Health (NCDOH)) that would permit the site to be used for this purpose. Steel One hereby requests that NYSDEC approve the use of a specific portion of the property as a recreational walking area.

The proposed recreational area is located on the southeast corner of the property. A site plan showing the proposed recreational area is provided as Figure 1. The total area of the proposed recreational area is approximately 2 acres including parking. The recreational area would be designed as a recreational walking area and consist of paved trails surrounded by landscaping. The proposed use does not contemplate direct contact with site soil or groundwater. The proposed location currently consists of parking lot and overgrown landscaping. A Northrop Grumman on-site containment (ONCT) well is located near the recreational area's footprint. Prior to 1980, the southeastern corner of Plant 1 was developed as the end of the runway adjacent to the residential dwellings on North Sheridan Avenue (see Figure 2).

Dvirka & Bartilucci Consulting Engineers (D&B) performed several rounds of environmental investigation and remediation at the Plant 1 property. D&B did not identify an Area of Concern (AOC) within or adjacent to the proposed recreational walking area location during their investigation activities. Edgewater conducted sampling in this area at the request of Steel One, which demonstrated that there are no hazardous substances or constituents of concern at the recreational walking area location and that soil samples demonstrated that the soil is below the NYSDEC's unrestricted use standards.

Based on the findings of the investigation, Steel One is respectfully petitioning the NYSDEC to approve the use of the indicated portion of the former Grumman Plant 1 property as a recreational walking area. This proposed use will not involve direct contact with site soil and groundwater. Furthermore, the proposed location of the walking area is currently used as an asphalt-paved parking lot with no evidence of former use involving hazardous waste, as has been confirmed by D&B's extensive investigation of the property. Finally, the proposed recreational walking area will provide a beneficial use to the Bethpage residents.

## 1.2 BACKGROUND INFORMATION AND PRIOR INVESTIGATIONS

---

Dvirka & Bartilucci Consulting Engineers (D&B) performed several rounds of environmental investigation and remediation at the property. D&B did not identify any Area of Concern (AOC) within or adjacent to the proposed location during their investigation activities. D&B, as part of their May 2001 Phase II Site Assessment, did advance two soil borings (E37B01 and E37B02) in a former area of stained parking lot asphalt in the vicinity but outside the footprint of the proposed recreational walking area. The approximate location of the borings is shown on Figure 1. No contaminants were detected above the then-applicable NYSDEC Recommended Soil Cleanup Objectives (RSCOs) set forth in *Technical and Administrative Guidance Memorandum (TAGM) 4046: Determination of Soil Cleanup Objectives and Cleanup Levels*. The D&B Deed Restriction letter report prepared on November 20, 2002 is provided as Appendix A.

## 2.0 SCOPE OF THE INVESTIGATION

---

### 2.1 AREAS AND COMPOUNDS OF CONCERNS

---

No areas or compounds of concern have been identified within the footprint of the proposed recreational walking area.

Edgewater recently conducted additional sampling within the proposed footprint of the recreational walking area. Six soil borings were advanced across the recreational walking area's footprint to provide general coverage of the site with no bias towards any given area since there are no known areas of environmental concern. The samples were analyzed for the NYSDEC Part 375 list of compounds.

Two soil samples were collected from each boring at depths of 1-2 feet below grade and 8-10 feet below grade. Soil samples were collected from the shallow interval, since this is the anticipated depth of disturbance from general site construction. The borings were then advanced to 10 feet below grade and samples collected at 8-10 feet, which is the anticipated maximum depth needed for installation of utilities. The borings were drilled by Laurel Environmental Associates/EPhase2 using a track-mounted *GeoProbe*. The samples were field characterized and placed in laboratory-provided sample containers by the field geologist. The samples were placed on ice and transported to the laboratory for analysis.

The samples were analyzed for the Part 375 list of compounds by American Analytical Laboratories. The samples were compared to the NYSDEC Part 375 Unrestricted Use SCOs (Soil Cleanup Objectives).

The soil samples were analyzed for the following compounds:

Compound	EPA Method
Volatile Organic Compounds (TCL + 10)	8260
Semi-Organic Compounds (TCL + 20)	8270
Polychlorinated Biphenyls	8082

<b>Compound</b>	<b>EPA Method</b>
Pesticides	8081A
2,4,5-TP (Silvex)	8151A
Metals (except mercury + hex chromium)	6010B
Hexavalent chromium	3060A
Mercury	7471
Total cyanide	9014

One QA/QC soil sample was collected per 20 soil samples for field duplicate. The laboratory analyzed the matrix spikes and duplicates samples.

Even though this investigation was performed voluntarily by the Owner, the analytical reporting was provided with ASP Category B deliverables and EQUIS Electronic Data Deliverables (EDD), which will be presented if requested.

## 2.2 GEOPHYSICAL SURVEY

---

On April 10, 2015, Laurel Environmental Associates/EPHASE2 (EP2) staff conducted the geophysical survey, which included marking clear boring locations for six proposed soil borings, marking on-site utilities, and scanning for any sub-surface anomalies.

A GSSI model Utility Scan DF with dual 300 and 800 MHz antennae Ground Penetrating Radar (GPR) system was used for the survey and consisted of a control unit, control cable, and a transducer. In the subsurface, reflections of the pulse occur at boundaries where there is a dielectric contrast (void, steel, soil type). The reflected portion of the signal travels back to the antenna and control unit and is subsequently shown on the display of the computers color video monitor for interpolation. The scan was completed from zero to 10 feet below grade over searched areas. A Radiodetection Model RD8000 Receiver and Tx10 transmitter were used in conjunction with the GPR equipment to locate and mark utilities.

## 2.3 SOIL

---

On April 13, 2015, soil samples were collected from the six borings identified on the site sketch (Figure 2). The soils samples were collected continuously from grade to 10 feet deep with samples collected at 1-2 feet below grade (beneath the asphalt pavement, where present) and at 8-10 feet deep with a *GeoProbe* operated by EP2. The duplicate sample was collected from the Boring B-2/1-2' soil sample and was designated as DUP-1.

The VOC samples were collected with a *TerraCore* sampler and placed in pre-weighed preserved vials. The samples for all other compounds were placed in two 8-ounce glass containers. All sample containers were placed on ice in a cooler, along with a trip blank. After the sampling work was completed the samples were transported to American Analytical Laboratories for analysis. EP2's geologist characterized the soil collected in the *GeoProbe* sleeves.

## 3.0 INVESTIGATION RESULTS

---

### 3.1 GEOPHYSICAL SURVEY

---

On April 10, 2015, EP2 staff conducted the geophysical survey, which included marking clear boring locations for six proposed soil borings, marking on-site utilities, and scanning for any sub-surface anomalies.

Based upon data collected during the survey, EP2 determined that the proposed boring locations were clear for drilling. Underground electric lines and storm water sewer pipes were identified in the proposed recreational walking area. Several anomalies were detected, but none were indicative of a tank or septic system; anomalies were small and non-continuous. GPR images also depicted a few areas of disturbed soil. EP2's findings are provided in Appendix B.

### 3.2 SOIL

---

None of the samples collected from the six boring locations exceeded the Part 375 Unrestricted Soil Cleanup Objectives (SCOs) for VOCs, SVOCs, Metal, Pesticides, Herbicides and PCBs. Summary tables of the analytical results are shown in Tables 1 through 4. The soil collected in the borings did not indicate any other characteristics of concern. The boring logs are provided in Appendix B and the laboratory report is in Appendix C.



## **4.0 CONCLUSIONS**

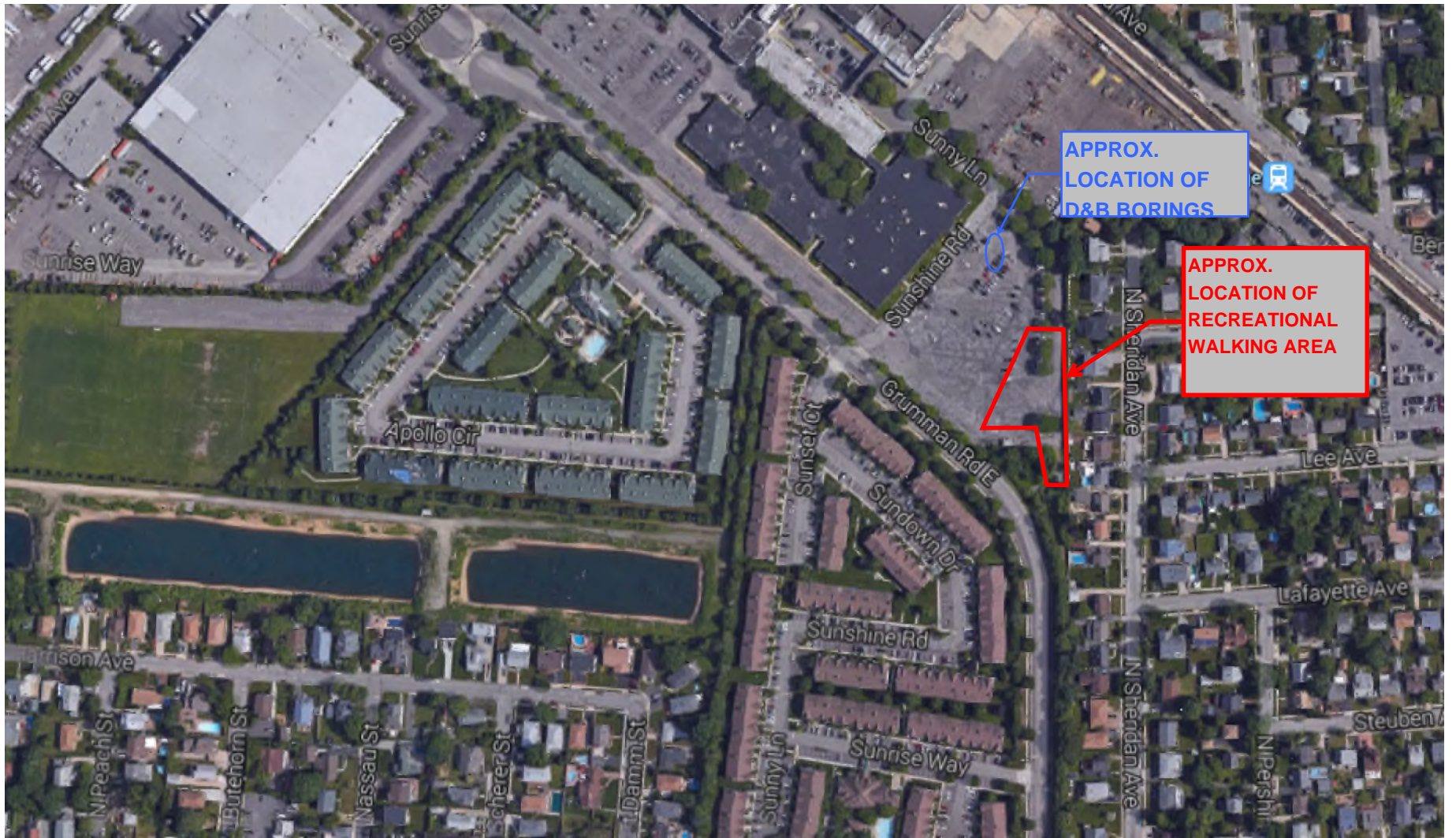
---

Based on the findings of the Site Investigation, no contamination or evidence of a release or spill was found, therefore no use restriction is warranted on the proposed recreational walking area.

Steel One LLC respectfully petitions the NYSDEC to approve use of the indicated portion of the former Grumman Plant 1 property as a recreational walking area. Upon the NYSDEC's approval and certification, the necessary documents will be prepared and executed for filing with the Nassau County Clerk to remove the Use Restriction for the area of the recreational walking area.

## FIGURES

**Figure 1 - Location Map**



STEEL ONE, LLC  
PROPOSED RECREATIONAL WALKING AREA  
APPROXIMATE FOOTPRINT

## Figure 2 - Historical Aerial Photographs





GRUMMAN

28 III

INQUIRY #: 3518878.5

YEAR: 1953



| = 500'





**INQUIRY #:** 3518878.5

**YEAR:** 1957

| = 500'







**INQUIRY #:** 3518878.5

**YEAR:** 1966

**|** = 500'







INQUIRY #: 3518878.5

YEAR: 1974

| = 500'







**INQUIRY #:** 3518878.5

**YEAR:** 1976

**|** = 500'







**INQUIRY #:** 3518878.5

**YEAR:** 1980

**Scale:** 500'







GRUMMAN

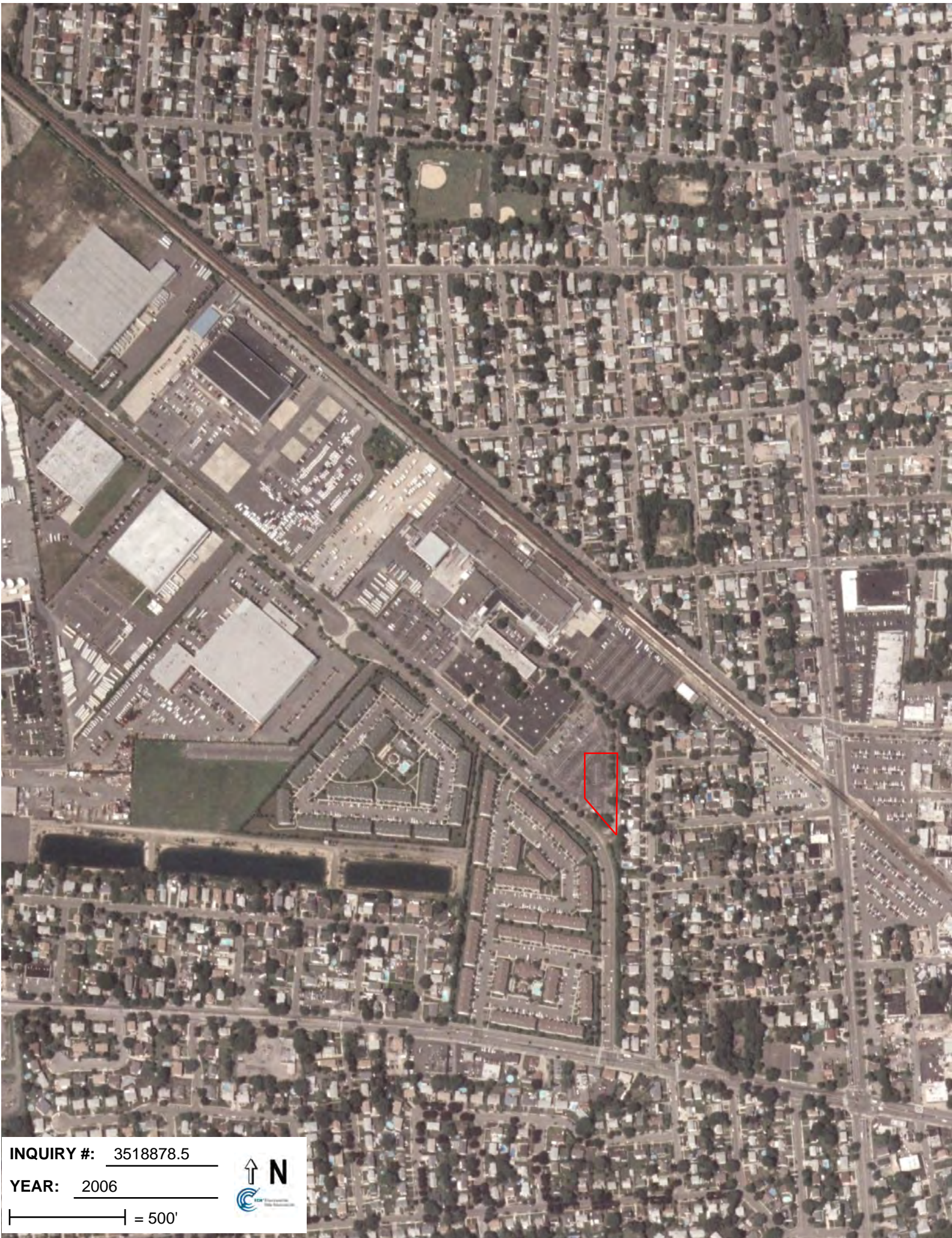
INQUIRY #: 3518878.5

YEAR: 1994

| = 500'







**INQUIRY #:** 3518878.5

**YEAR:** 2006

| = 500'







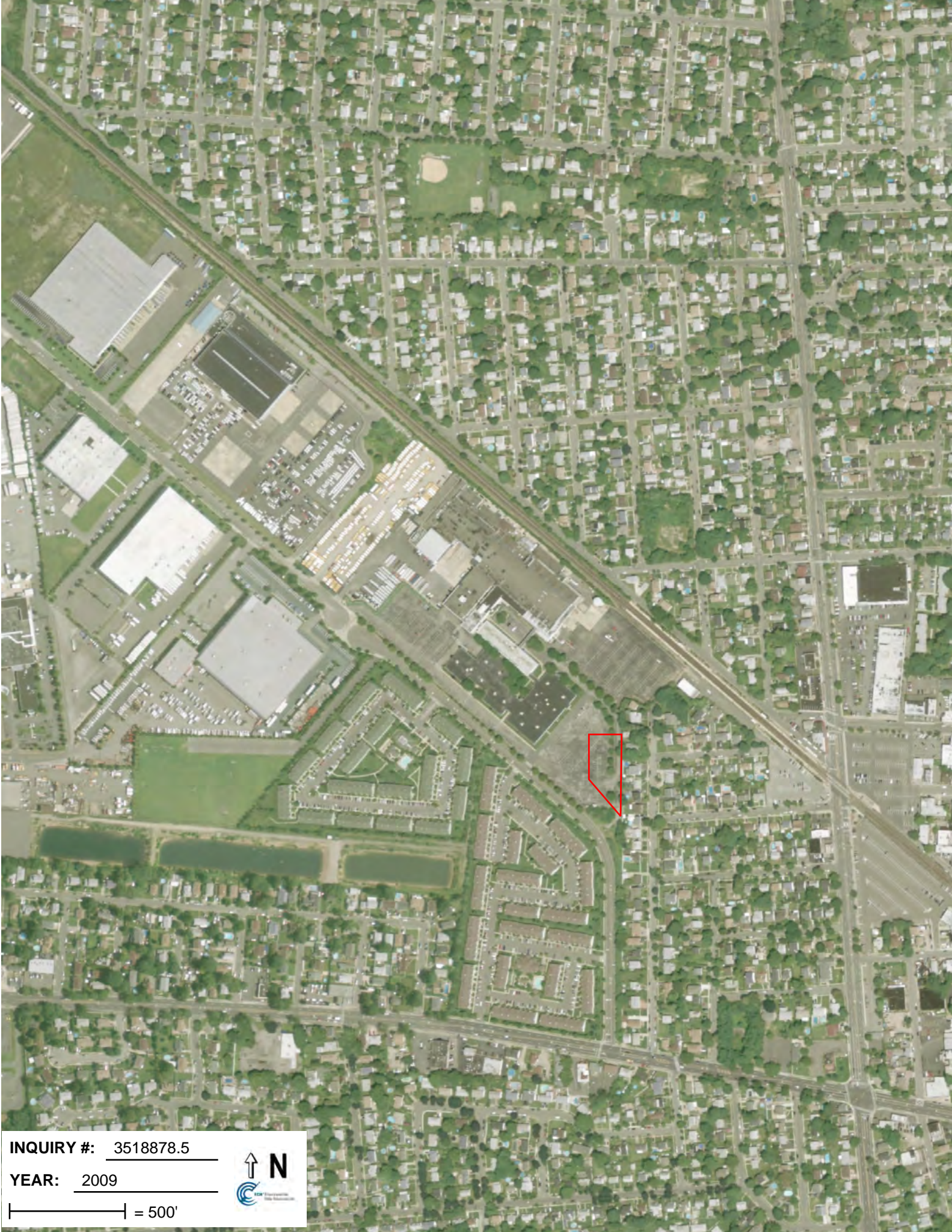
**INQUIRY #:** 3518878.5

**YEAR:** 2008

| = 500'







**INQUIRY #:** 3518878.5

**YEAR:** 2009

| = 500'







**INQUIRY #:** 3518878.5

**YEAR:** 2011

| = 500'





**Figure 3 - Site Plan - Sampling Locations**



## SUMMARY TABLES

**TABLE 1**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**VOLATILE ORGANIC COMPOUNDS - VOCs**

Client SampleID:	B-1 1-2'	B-1 8-10'	B-2 1-2'	B-2 8-10'	B-3 1-2'	B-3 8-10'	B-4 1-2'	B-4 8-10'	B-5 1-2'	
Laboratory ID:	1504111-01	1504111-02	1504111-03	1504111-04	1504111-05	1504111-06	1504111-07	1504111-08	1504111-09	
Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	
Analyte	Limits	Q	Q	Q	Q	Q	Q	Q	Q	
1,1,1-Trichloroethane	680	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,1-Dichloroethane	270	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,1-Dichloroethene	330	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,2,4-Trimethylbenzene	3,600	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,2-Dichlorobenzene	1,100	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,2-Dichloroethane	20	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,3,5-Trimethylbenzene	8,400	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,3-Dichlorobenzene	2,400	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,4-Dichlorobenzene	1,800	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
1,4-Dioxane	100	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
2-Butanone	120	11 U	11 U	10 U	9.3 U	8.9 U	10 U	10 U	10 U	10 U
Acetone	50	2.2 J	2.2 J	5.6 J	2.1 J	2.6 J	2.2 J	2.8 J	2.3 J	4.9 J
Benzene	60	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Carbon tetrachloride	760	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Chlorobenzene	1,100	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Chloroform	370	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
cis-1,2-Dichloroethene	250	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Ethylbenzene	1,000	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
m,p-Xylene	260	11 U	11 U	10 U	9.3 U	8.9 U	10 U	10 U	10 U	10 U
Methyl tert-butyl ether	930	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Methylene chloride	50	5 J	5 B	5.1 B	4.4 B	4.3 B	4.8 B	4.9 B	5.1 B	5.1 B
n-Butylbenzene	12,000	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
n-Propylbenzene	3,900	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
o-Xylene	260	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
sec-Butylbenzene	11,000	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
tert-Butylbenzene	5,900	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Tetrachloroethene	1,300	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Toluene	700	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
trans-1,2-Dichloroethene	190	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Trichloroethene	470	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U
Vinyl chloride	20	5.5 U	5.5 U	5.2 U	4.7 U	4.4 U	5.1 U	5 U	5.1 U	5.1 U

**TABLE 1**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**VOLATILE ORGANIC COMPOUNDS - VOCs**

	Client SampleID:	B-5 8-10'	B-6 1-2'	B-6 8-10'	DUP - 1	Field Blank	Trip Blank
	Laboratory ID:	1504111-10	1504111-11	1504111-12	1504111-13	1504111-14	1504111-15
	Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015
Analyte	Limits	Q	Q	Q	Q	Q	Q
1,1,1-Trichloroethane	680	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,1-Dichloroethane	270	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,1-Dichloroethene	330	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,2,4-Trimethylbenzene	3,600	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,2-Dichlorobenzene	1,100	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,2-Dichloroethane	20	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,3,5-Trimethylbenzene	8,400	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,3-Dichlorobenzene	2,400	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,4-Dichlorobenzene	1,800	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
1,4-Dioxane	100	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
2-Butanone	120	9.8 U	9.1 U	9.4 U	9.9 U	5 U	5 U
Acetone	50	2.5 J	4.8 J	2.9 J	7.5 J	2 B	1.9 B
Benzene	60	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Carbon tetrachloride	760	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Chlorobenzene	1,100	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Chloroform	370	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
cis-1,2-Dichloroethene	250	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Ethylbenzene	1,000	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
m,p-Xylene	260	9.8 U	9.1 U	9.4 U	9.9 U	4 U	4 U
Methyl tert-butyl ether	930	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Methylene chloride	50	5 B	4.6 B	4.7 B	5 B	5.4 B	5.9 B
n-Butylbenzene	12,000	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
n-Propylbenzene	3,900	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
o-Xylene	260	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
sec-Butylbenzene	11,000	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
tert-Butylbenzene	5,900	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Tetrachloroethene	1,300	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Toluene	700	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
trans-1,2-Dichloroethene	190	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Trichloroethene	470	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U
Vinyl chloride	20	4.9 U	4.5 U	4.7 U	5 U	2 U	2 U

All units in ppb = parts per billion  
 Limits shown are NYSDEC Part 375 Unrestricted Use SCOs  
 Q=Qualifiers U=None detected J=Estimated B=Found in method blank

**TABLE 2**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**SEMI-VOLATILE ORGANIC COMPOUNDS - SVOCs**

	Client SampleID:	B-1 1-2'	B-1 8-10'	B-2 1-2'	B-2 8-10'	B-3 1-2'	B-3 8-10'	B-4 1-2'	B-4 8-10'
	Laboratory ID:	1504111-01	1504111-02	1504111-03	1504111-04	1504111-05	1504111-06	1504111-07	1504111-08
	Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015
Analyte	Limits	Q	Q	Q	Q	Q	Q	Q	Q
2-Methylphenol	330	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
3+4-Methylphenol	330	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Acenaphthene	20,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Acenaphthylene	100,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Anthracene	100,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Benzo(a)anthracene	1,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Benzo(a)pyrene	1,000	170 U	150 U	160 U	150 U	170 U	150 U	160 U	150 U
Benzo(b)fluoranthene	1,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Benzo(g,h,i)perylene	100,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Benzo(k)fluoranthene	800	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Chrysene	1,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Dibenzo(a,h)anthracene	330	170 U	150 U	160 U	150 U	170 U	150 U	160 U	150 U
Dibenzofuran	7,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Fluoranthene	100,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Fluorene	30,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Hexachlorobenzene	330	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Indeno(1,2,3-c,d)pyrene	500	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Naphthalene	12,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Pentachlorophenol	800	560 U	510 U	530 U	510 U	560 U	510 U	550 U	510 U
Phenanthrene	100,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Phenol	330	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U
Pyrene	100,000	280 U	260 U	270 U	260 U	280 U	260 U	270 U	260 U

**TABLE 2**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**SEMI-VOLATILE ORGANIC COMPOUNDS - SVOCs**

<b>Client SampleID:</b>	<b>B-5 1-2'</b>	<b>B-5 8-10'</b>	<b>B-6 1-2'</b>	<b>B-6 8-10'</b>	<b>DUP - 1</b>	<b>Field Blank</b>
<b>Laboratory ID:</b>	<b>1504111-09</b>	<b>1504111-10</b>	<b>1504111-11</b>	<b>1504111-12</b>	<b>1504111-13</b>	<b>1504111-14</b>
<b>Sampling Date:</b>	<b>4/13/2015</b>	<b>4/13/2015</b>	<b>4/13/2015</b>	<b>4/13/2015</b>	<b>4/13/2015</b>	<b>4/13/2015</b>

<b>Analyte</b>	<b>Limits</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>	<b>Q</b>
2-Methylphenol	330	260 U	270 U	280 U	260 U	260 U	5 U
3+4-Methylphenol	330	260 U	270 U	280 U	260 U	260 U	5 U
Acenaphthene	20,000	260 U	270 U	280 U	260 U	260 U	5 U
Acenaphthylene	100,000	260 U	270 U	280 U	260 U	260 U	5 U
Anthracene	100,000	260 U	270 U	280 U	260 U	260 U	5 U
Benzo(a)anthracene	1,000	260 U	270 U	280 U	260 U	260 U	5 U
Benzo(a)pyrene	1,000	160 U	160 U	170 U	160 U	160 U	5 U
Benzo(b)fluoranthene	1,000	260 U	270 U	280 U	260 U	260 U	5 U
Benzo(g,h,i)perylene	100,000	260 U	270 U	280 U	260 U	260 U	5 U
Benzo(k)fluoranthene	800	260 U	270 U	280 U	260 U	260 U	5 U
Chrysene	1,000	260 U	270 U	280 U	260 U	260 U	5 U
Dibenzo(a,h)anthracene	330	160 U	160 U	170 U	160 U	160 U	5 U
Dibenzofuran	7,000	260 U	270 U	280 U	260 U	260 U	5 U
Fluoranthene	100,000	260 U	270 U	280 U	260 U	260 U	5 U
Fluorene	30,000	260 U	270 U	280 U	260 U	260 U	5 U
Hexachlorobenzene	330	260 U	270 U	280 U	260 U	260 U	5 U
Indeno(1,2,3-c,d)pyrene	500	260 U	270 U	280 U	260 U	260 U	5 U
Naphthalene	12,000	260 U	270 U	280 U	260 U	260 U	5 U
Pentachlorophenol	800	520 U	540 U	560 U	530 U	520 U	10 U
Phenanthrene	100,000	260 U	270 U	280 U	260 U	260 U	5 U
Phenol	330	260 U	270 U	280 U	260 U	260 U	5 U
Pyrene	100,000	260 U	270 U	280 U	260 U	260 U	5 U

All units in ppb = parts per billion  
Limits shown are NYSDEC Part 375 Unrestricted Use SCOs  
Q=Qualifiers U=None detected J=Estimated B=Found in method blank

**TABLE 3  
RECREATIONAL WALKING AREA  
GRUMMAN ROAD WEST, BETHPAGE NY  
SITE INVESTIGATION  
METALS AND WET CHEMISTRY**

	Client SampleID:	B-1 1-2'	B-1 8-10'	B-2 1-2'	B-2 8-10'	B-3 1-2'	B-3 8-10'	B-4 1-2'	B-4 8-10'
	Laboratory ID:	1504111-01	1504111-02	1504111-03	1504111-04	1504111-05	1504111-06	1504111-07	1504111-08
	Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015
Analyte	Limits	Q	Q	Q	Q	Q	Q	Q	Q
Arsenic	13	3.53	0.725	1.8	1.41	2.72	0.668	2.35	0.742
Barium	350	19.7	4.08	9.92	4.87	21.9	4.74	7.2	3
Beryllium	7.2	0.441 U	0.38 U	0.421 U	0.399 U	0.416 U	0.386 U	0.421 U	0.382 U
Cadmium	2.5	0.441 U	0.38 U	0.421 U	0.399 U	0.416 U	0.386 U	0.421 U	0.382 U
Chromium	NA	10.8	2.12	5.35	2.43	11.4	2.65	4.34	1.89
Copper	50	3.5	1.5	1.99	1.63	5.51	1.48	1.5	2.1
Lead	63	7.43	1.2	3.92	1.25	4.96	1.18	2.94	1.64
Manganese	1,600	85.6	26.1	128	45.7	109	41.6	49.9	44.9
Mercury	0.18	0.0228	0.0116 U	0.0107 J	0.0116 U	0.0137	0.0113 U	0.0083 J	0.011 U
Nickel	30	5.84	1.31	3.42	1.09	6.35	1.54	2.53	1.49
Selenium	3.9	0.342 J	0.476 U	0.527 U	0.499 U	0.52 U	0.482 U	0.526 U	0.477 U
Silver	2	0.441 U	0.38 U	0.421 U	0.399 U	0.416 U	0.386 U	0.421 U	0.382 U
Zinc	109	16.3	4.29	9.56	4.48	18.1	5.17	9.02	7.73
Chromium, Hexavalent	1	0.564 U	0.501 U	0.537 U	0.493 U	0.565 U	0.511 U	0.536 U	0.504 U
Chromium, Trivalent	30	10.8	2.12	5.35	2.43	11.4	2.65	4.34	1.89
<b>WET CHEMISTRY</b>									
Cyanide Total & Amenable	27	0.171	0.103 U	0.107 U	0.103 U	0.113 U	0.103 U	0.109 U	0.103 U
Percent Moisture	NA	12.1	3.37	6.96	2.56	11.5	3.3	8.58	3.03



**TABLE 3**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**METALS AND WET CHEMISTRY**

	Client SampleID:	B-5 1-2'	B-5 8-10'	B-6 1-2'	B-6 8-10'	DUP - 1	Field Blank
	Laboratory ID:	1504111-09	1504111-10	1504111-11	1504111-12	1504111-13	1504111-14
	Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015
Analyte	Limits	Q	Q	Q	Q	Q	Q
Arsenic	13	2.16	1.26	3.98	1.84	1.95	0.025 U
Barium	350	14	8.21	20.7	16.5	10.1	0.02 U
Beryllium	7.2	0.391 U	0.38 U	0.435 U	0.402 U	0.397 U	0.02 U
Cadmium	2.5	0.391 U	0.38 U	0.435 U	0.402 U	0.397 U	0.01 U
Chromium	NA	7.84	4.31	10.9	5.07	5.81	0.02 U
Copper	50	3.42	3.62	4.52	3.75	1.92	0.02 U
Lead	63	3.95	2.78	8.41	2.96	3.38	0.015 U
Manganese	1,600	154	52.1	149	97.2	204	0.02 U
Mercury	0.18	0.0101 J	0.0102 U	0.0186	0.0117 U	0.0132	0.00025 U
Nickel	30	4.09	3.1	5.75	3.37	3.7	0.02 U
Selenium	3.9	0.489 U	0.475 U	0.544 U	0.502 U	0.496 U	0.025 U
Silver	2	0.391 U	0.38 U	0.435 U	0.402 U	0.397 U	0.02 U
Zinc	109	12	11.6	18.7	10.8	9.94	0.02 U
Chromium, Hexavalent	1	0.526 U	0.538 U	0.555 U	0.534 U	0.523 U	0.01 U
Chromium, Trivalent	30	7.84	4.31	10.9	5.07	5.81	0.02 U
<b>WET CHEMISTRY</b>							
Cyanide Total & Amenable	27	0.106 U	0.108 U	0.0774 J	0.107 U	0.107 U	0.01 U
Percent Moisture	NA	5.3	7.43	10.3	6.82	6.28	

Units in parts per million, except percent moisture  
 Limits shown are NYSDEC Part 375 Unrestricted Use SCOs  
 Q=Qualifiers U=None detected J=Estimated B=Found in method blank

**TABLE 4**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**HERBICIDES/PESTICIDES/PCBs**

	Client SampleID:	B-1 1-2'	B-1 8-10'	B-2 1-2'	B-2 8-10'	B-3 1-2'	B-3 8-10'	B-4 1-2'	B-4 8-10'	B-5 1-2'
	Laboratory ID:	1504111-01	1504111-02	1504111-03	1504111-04	1504111-05	1504111-06	1504111-07	1504111-08	1504111-09
	Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015
HERBICIDES	Limits	Q	Q	Q	Q	Q	Q	Q	Q	Q
2,4,5-TP	3,800	3.4 U	3.1 U	27 U	3.1 U	3.3 U	3.1 U	3.2 U	3.1 U	3.2 U
<b>PESTICIDES</b>										
4,4'-DDD	3.3	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
4,4'-DDE	3.3	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
4,4'-DDT	3.3	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Aldrin	5	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
alpha-BHC	20	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
alpha-Chlordane	94	11 U	10 U	11 U	10 U	11 U	10 U	11 U	10 U	11 U
beta-BHC	36	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
delta-BHC	40	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Dieldrin	5	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Endosulfan I	2,400	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Endosulfan II	2,400	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Endosulfan sulfate	2,400	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Endrin	14	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
gamma-BHC	100	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.6 U	2.7 U	2.6 U	2.6 U
Heptachlor	42	3.4 U	3.1 U	3.2 U	3.1 U	3.4 U	3.1 U	3.3 U	3.1 U	3.2 U
<b>PCBS</b>										
Aroclor 1016	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1221	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1232	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1242	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1248	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1254	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1260	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1262	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U
Aroclor 1268	100	23 U	21 U	21 U	21 U	23 U	21 U	22 U	21 U	21 U

**TABLE 4**  
**RECREATIONAL WALKING AREA**  
**GRUMMAN ROAD WEST, BETHPAGE NY**  
**SITE INVESTIGATION**  
**HERBICIDES/PESTICIDES/PCBS**

	Client SampleID:	B-5 8-10'	B-6 1-2'	B-6 8-10'	DUP - 1	Field Blank
	Laboratory ID:	1504111-10	1504111-11	1504111-12	1504111-13	1504111-14
	Sampling Date:	4/13/2015	4/13/2015	4/13/2015	4/13/2015	4/13/2015
HERBICIDES	Limits	Q	Q	Q	Q	Q
2,4,5-TP	3,800	3.2 U	3.3 U	3.2 U	3.1 U	0.05 U
<b>PESTICIDES</b>						
4,4'-DDD	3.3	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
4,4'-DDE	3.3	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
4,4'-DDT	3.3	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Aldrin	5	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
alpha-BHC	20	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
alpha-Chlordane	94	11 U	11 U	11 U	11 U	0.25 U
beta-BHC	36	2.7 U	2.8 U	2.7 U	2.7 U	0.011 J
delta-BHC	40	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Dieldrin	5	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Endosulfan I	2,400	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Endosulfan II	2,400	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Endosulfan sulfate	2,400	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Endrin	14	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
gamma-BHC	100	2.7 U	2.8 U	2.7 U	2.7 U	0.05 U
Heptachlor	42	3.2 U	3.3 U	3.2 U	3.2 U	0.05 U
<b>PCBS</b>						
Aroclor 1016	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1221	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1232	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1242	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1248	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1254	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1260	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1262	100	21 U	22 U	21 U	21 U	0.5 U
Aroclor 1268	100	21 U	22 U	21 U	21 U	0.5 U

All units in ppb = parts per billion  
 Limits shown are NYSDEC Part 375 Unrestricted Use SCOs  
 Q=Qualifiers U=None detected J=Estimated B=Found in method blank

## **APPENDIX A**



# Dvirka and Bartilucci

CONSULTING ENGINEERS

330 Crossways Park Drive, Woodbury, New York, 11797-2015  
516-364-9890 • 718-460-3634 • Fax: 516-364-9045  
e-mail: db-eng@worldnet.att.net

November 20, 2002

## Principals

Nicholas J. Bartilucci, P.E.  
*President*

Henry J. Chlupsa, P.E.  
*Executive Vice President*

Thomas F. Maher, P.E.  
*Vice President*

Robert T. Burns, P.E.  
*Vice President*

Richard M. Walka  
*Vice President*

Steven A. Fangmann, P.E.  
*Vice President*

Theodore S. Pytlar, Jr.  
*Vice President*

## Senior Associates

Anthony O. Conetta, P.E.

Dennis F. Koehler, P.E.

Joseph H. Marturano

Kenneth J. Pritchard, P.E.

Brian M. Veith, P.E.

## Associates

Joseph F. Baader

Garrett M. Byrnes, P.E.

Rudolph F. Cannavale

Joseph A. Fioraliso, P.E.

Thomas P. Fox, P.G.

Gerald Gould, C.P.G.

William D. Merklin, P.E.

Michael Neuberger, P.E.

Edward J. Reilly

Richard P. Russell, P.E.

Charles J. Wachsmuth, P.E.

Kenneth P. Wenz, Jr., C.P.G.

Larry Leskovjan, Manager  
Environmental, Safety, Health & Medical Services  
Northrop Grumman Corporation  
South Oyster Bay Road  
Mail Stop: D08-001  
Bethpage, NY 11714-3582

Re: Deed Restriction Information  
Plant 1 Facility  
Bethpage, New York  
D&B No. 801/98-Z

Dear Mr. Leskovjan:

As requested by Northrop Grumman Corporation (NGC), Dvirka and Bartilucci Consulting Engineers (D&B) has prepared this letter report for the Plant 1 site to identify the areas on the property where the concentrations of constituents remaining in the soil exceed the recommended soil cleanup objectives (RSCOs) provided in Appendix A of the New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) Number 4046.

## Introduction

Northrop Grumman Corporation is planning to deactivate and sell the Plant 1 facility as part of its overall Bethpage consolidation program. As previously implemented for other properties at the Bethpage facility, NGC has conducted several Environmental Site Assessments and remediation programs to facilitate the transfer of the property. A site location map of the Plant 1 facility located in Bethpage, New York, is presented as **Attachment 1**. Similarly, a site plan of Plant 1 is provided as **Attachment 2**.

As part of the environmental site assessment process, soil sample results for areas of concern (AOCs) associated with Underground Injection Control (UIC) structures were screened against the RSCO's contained in TAGM 4046 (consistent with protocol utilized by the United States Environmental Protection

# Dvirka and Bartilucci

CONSULTING ENGINEERS

Larry Leskovjan, Manager  
Environmental, Safety, Health & Medical Services  
Northrop Grumman Corporation  
November 20, 2002

Page Two

Agency and Nassau County Department of Health). However, AOCs not associated with UIC structures were screened against NYSDEC-approved comparison values based on site-specific considerations such as the intended future site use, and the fate and transport of chemical constituents detected in the soil. The NYSDEC-approved site-specific comparison values for Plant 1 were utilized to determine the scope of environmental remediation for the AOCs not associated with UIC structures at the Plant 1 facility, as documented in the report entitled, "Remediation Plan – Plant 1," dated July 2001. Since the Plant 1 site-specific comparison values are higher than the more conservative NYSDEC RSCOs, in some instances, there are several AOCs that have concentrations of constituents in the soil at the Plant 1 site that have not been excavated and exceed the NYSDEC RSCOs. Certain other AOCs have exceedances of RSCOs remaining due to the impracticality of attempting to excavate soil at substantial depth in areas beneath or adjacent to existing structures and/or retaining walls.

## Exceedances of NYSDEC RSCOs

Constituents that exceeded the NYSDEC RSCOs (prior to remediation) are provided in **Table 1** of **Attachment 3**. The Plant 1 soil sample results were evaluated with the remediated AOCs to determine the locations and concentration of constituents in the soil at the Plant 1 site that have not been excavated and exceed the NYSDEC RSCOs. **Table 2** of **Attachment 4** summarizes the NYSDEC RSCOs exceedances in soil at the Plant 1 facility that still remain in-place (subsequent to remediation). **Attachment 5** presents several figures that collectively depict the locations of all soil borings/samples at the Plant 1 site.

If you have any questions or comments, please do not hesitate to contact Mr. Adam S. Postyn or me at (516) 364-9890.

Very truly yours,



Richard M. Walka  
Vice President

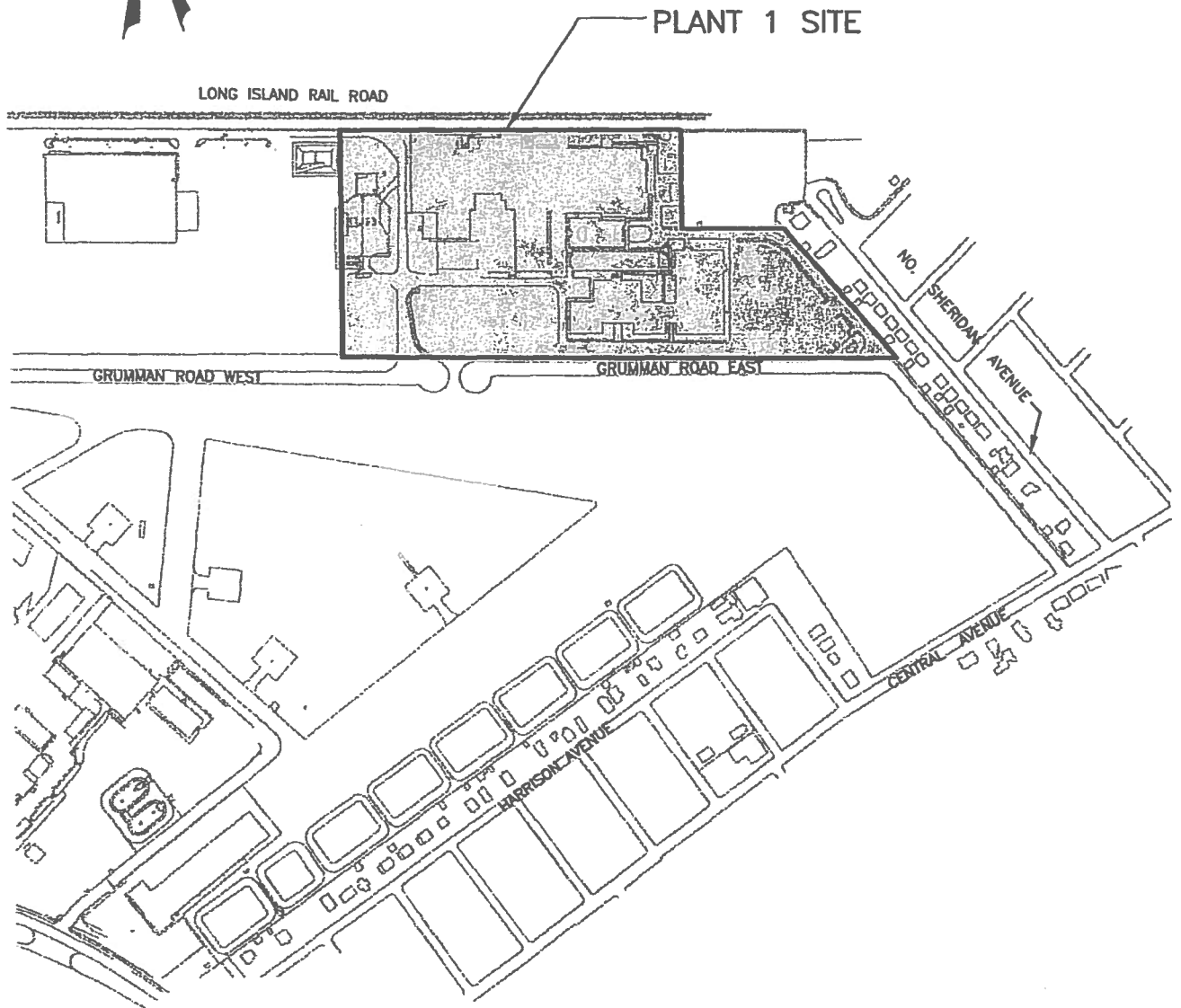
RMW/KP(t)/ajm  
Attachments

cc: J. Cofman (NGC)  
A. Postyn (D&B)

♦0801\RMW02LTR-26.doc

**ATTACHMENT 1**

TRUE NORTH  
SITE NORTH



PLANT 1 SITE

LONG ISLAND RAIL ROAD

GRUMMAN ROAD WEST

GRUMMAN ROAD EAST

NO.

SHERIDAN AVENUE

CENTRAL AVENUE

HARRISON AVENUE



NORTHROP GRUMMAN CORPORATION  
PLANT 1

SITE LOCATION MAP



Dvirka and Bartilucci  
Consulting Engineers  
A Division of William F. Cosulich Associates, P.C.

FIGURE 1



**ATTACHMENT 2**



## ATTACHMENT 3

**Table 1**  
**Northrop Grumman Corporation**  
**Plant 1 Facility**  
**NYSDEC TAGM Recommended Soil Cleanup Objectives<sup>(1)</sup>**

**Semi-Volatile Organic Compounds**

Constituent	Recommended Soil Cleanup Criteria (ug/kg)
2-Methylphenol	100 or MDL
Benzo (a) pyrene	61 or MDL
Benzo (b) fluoranthene	1100
Benzo (k) fluoranthene	1100
Benzo(a)anthracene	224 or MDL
Chrysene	400
Dibenzo(a,h)anthracene	14 or MDL
Pentachlorophenol	1000 or MDL
Phenol	30 or MDL

**RCRA Metals**

Constituent	Recommended Soil Cleanup Criteria (mg/kg)
Arsenic	7.5
Barium	300
Cadmium	10
Chromium	50
Lead	400
Mercury	0.1
Selenium	2

**PCBs**

Constituent	Recommended Soil Cleanup Criteria (ug/kg)
Total PCBs	10,000

Notes:

N/A: not available

MDL: Method Detection Limit

1. Comparison Values are provided for only those constituents of concern that exceeded the NYSDEC TAGM RSCOs

**ATTACHMENT 4**

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
<b>NON UNDERGROUND INJECTION CONTROL PROGRAM</b>							
<b>Under Storage:</b>							
I-02	Former Paint Spray Room	102B01	1-3'	Benzol(a)pyrene 99 ug/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-03	Former Paint Storage Room	103B01	1-3'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-04	Former Storage Building DW	104B01	8-10'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			20-22'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-05	Former Dry Well Area	105B01	8-10'	Benzol(a)anthracene 1300 ug/kg; Chrysenes 1300 ug/kg; Benzol(b)fluoranthene 1200 ug/kg; Benzol(a)pyrene 1400 ug/kg; Mercury 0.13 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			14-16'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-06	Former Paint Shop	106B01	1-3'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-07	Former Paint Tunnel	107B01	1-3'	Mercury 0.18 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Pheno 78 ug/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-07B01NB		107B01NB	3-5'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 5Tgs complete	
			5-7'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOM) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL SCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOS	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
1-07 (continued)	Former Paint Tunnel (continued)	107B01S8	3-5'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			5-7'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		107B01W5	3-5'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			5-7'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		107B01E8	5-7'	Chromium 194 mg/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			1-3'	Benzo(a)pyrene 98 ug/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
		107B02	3-5'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			5-7'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		107B03		7-8'	Phenol 17000 ug/kg; 2-Methylphenol 440 ug/kg; Chromium 171 mg/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
				2-4'	Phenol 48 ug/kg; Benzo(a)pyrene 65 ug/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
1-09	Former Hammer Shop	108B01	8-11'	Phenol 64 ug/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			1-3'	Phenol 62 ug/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
1-10	Paint Shop Former DW	110B01	3-5'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			4-6'	Mercury 0.17 mg/kg	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
1-11	Former Paint Shop Booths and Paint Tunnel	111B01	10-12'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			1-3'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		111B02	3-5'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			1-3'	None	Northrop Grumman, Beltspace Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
1-11 (continued)	Former Paint Shop Booths and Paint Tunnel (continued)	111B03	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		111B04	3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		111B05	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
		111B06		2-4'	Chromium 252 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
				1.5-3.5'	Chromium 54.20 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		1-12	Former Alodine Room	111B07	3.5-5.5'	Chromium 62.20 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated
1-3'	None				Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
112B01	3-5'			Phenol 36 ug/kg, Mercury 0.04 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
	1-3'			None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
	3-5'			Phenol 48 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
112B02		1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		3-5'	Chromium 73.4 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
112B03		1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
112B04		3-5'	Phenol 57 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		



TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOM) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOS	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
1-12 (continued)	Former Acidine Room (continued)	112805	1-3'	Chromium 73.8 mg/kg; Mercury 0.2 mg/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Chromium 71.1 mg/kg; Mercury 0.13 mg/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
1-13	Former Downspout Dry Wells	113801	2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			6-8'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			6-7'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-16	Former Heat Treat Room	116802	1-3'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3.5-5.5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			5.5-7.5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Phenol 51 ug/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
1-17	Former Paint Mixing Room	117801	3-5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-18	Material Stock Room	117802	3-5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	Phenol 37 ug/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-21	Five Former Machine Pits	121801	2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			4-6'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		121802	3-5'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS		
1-21 (continued)	Five Former Machine Pits (continued)	121B03	5-7'	Benzol(a)pyrene 45 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
			7-9'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		121B04	3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		121B05	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		1-23	Pump Station B	121B01	0-2'	Mercury 0.27 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
					2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-28	Hallway Adjacent to Former Aboline Room	128B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			1.5-3.5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		128B02	3-5.5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		128B01	4-6'	Phenol 40 ug/kg; Benzol(a)anthracene 1700 ug/kg; Chrysene 1800 ug/kg; Benzol(b)fluoranthene 1500 ug/kg; Benzol(k)fluoranthene 1300 ug/kg; Benzol(a)pyrene 1200 ug/kg; Dibenzol(a,h)anthracene 110 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
1-30	Former Storage Building	130B01	3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		130B02	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/SCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
1-30 (continued)	Former Storage Building (continued)	130B03	1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete		
			3-5'	Benzol(a)anthracene 1800 ug/kg; Chrysene 1800 ug/kg; Benzol(b)fluoranthene 1800 ug/kg; Benzol(a)pyrene 1400 ug/kg; Dibenzol(a,h)anthracene 58 ug/kg; Cadmium 13.4 mg/kg	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete		
		130B03N8		1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				3-5'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete	
				1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete	
		130B03S8		3-5'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				0-2'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete	
				4-6'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete	
		130B03S12		8-10'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete	
				3-5'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
130B03W8		1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		0-2'	Benzol(a)anthracene 580 ug/kg; Chrysene 540 ug/kg; Benzol(b)pyrene 350 ug/kg	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
		4-6'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
130B03W12		8-10'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		1-3'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete			
		3-5'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
130B03E8		0-2'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 3Tgs Complete			
		4-6'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		8-10'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
130B03E12		4-6'	None	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		8-10'	Benzol(a)anthracene 620 ug/kg; Chrysene 680 ug/kg; Benzol(b)pyrene 430 ug/kg	Northrop Grumman, Belhoge Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGH RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

ADC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGH RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
1-30 (continued)	Former Storage Building (continued)	130B04	1-3'	Benzol(a)pyrene 100 ug/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			6-8'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Benzol(a)pyrene 88 ug/kg; Cadmium 24.8 mg/kg; Mercury 0.53 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Mercury 0.5 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		130B08	1-3'	Benzol(a)pyrene 88 ug/kg; Cadmium 24.8 mg/kg; Mercury 0.53 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Mercury 0.5 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			0-2'	Benzol(a)nitracene 280 ug/kg; Benzol(a)pyrene 230 ug/kg; Mercury 1.6 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			2-4'	Mercury 0.35 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	Mercury 0.22 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Cadmium 18.1 mg/kg; Mercury 0.23 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
1-31	Refrigeration/AC Conditioning Room	131B01	1-3'	Mercury 0.22 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Cadmium 18.1 mg/kg; Mercury 0.23 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			2-4'	Cadmium 18.2 mg/kg; Mercury 0.45	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			4-8'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	Benzol(a)pyrene 65 ug/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		131B02	1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Perhalochlorophenol 120 ug/kg; Benzol(a)anthracene 300 ug/kg; Benzol(a)pyrene 300 ug/kg; Di-benzol(a)anthracene 58 ug/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Perhalochlorophenol 150 ug/kg; Benzol(a)pyrene 100 ug/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-32	Hanger 1	132B03	1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	Perhalochlorophenol 130 ug/kg; Benzol(a)pyrene 83 ug/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		132B04	1-3'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	Perhalochlorophenol 130 ug/kg; Benzol(a)pyrene 83 ug/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOILCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
1-33	Storage Area in Office Area East of Hangar 2	133B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-34	Old Ejection Pits	134B01	4-6'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			6-8'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			4-6'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-35	Transformer Rooms	135B01	3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-36	Former Router Room	136B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-37	Machine Shop (formerly referred to as Former Upholstery Room)	137B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	Benz(a)anthracene 330 ug/kg; Chrysene 410 ug/kg; Benz(a)pyrene 240 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-38	Boiler Room	138B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
1-39	Former Facility Maintenance Facility	139B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		139B02	3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		139B02	3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
I-40	Hanger 2	140801	2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			4-6'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Phenol 260 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
I-41	Random Locations of Historic Manufacturing Operations	141801	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Phenol 260 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	Benzofluoranthracene 670 ug/kg; Chrysene 1300 ug/kg; Benzofluoranthracene 820 ug/kg; Dibenzofluoranthracene 57 ug/kg; Arsenic 10.1 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Benzofluoranthracene 220 ug/kg; Arsenic 8.8 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-42	Paint Shop Dry Well in Former Hammer Shop	142801	3-5'	Phenol 140 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	Benzofluoranthracene 410 ug/kg; Chrysene 650 ug/kg; Benzofluoranthracene 380 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			8-10'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
I-43	Dry Well Former Carpanny Shop	143801	8-10'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			14-16'	Benzofluoranthracene 1200 ug/kg; Chrysene 1600 ug/kg; Benzofluoranthracene 980 ug/kg; Dibenzofluoranthracene 47 ug/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOM) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOM	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
I-43 (continued)	Dry Well Former Capacity Shop (continued)	I43B01A	10-12'	Chromium 52.3 mg/kg	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			12-14'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			11-13'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Remediation from B-15tps Complete		
			13-15'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Remediation from B-15tps Complete		
			15-17'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
I-44	Canopy Trim Fixture Drain Hole/Sumppit	I43B02A	17-18'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			18-21'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			4-6'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
I-45	Waste Collection Station	I45B01	6-8'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			0-2'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			2-4'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
I-46	Former Spot Weld Rise Tank	I46B01	0-2'	Benzol(a)anthracene 450 ug/kg; Chryseene 500 ug/kg; Benzol(a)pyrene 340 ug/kg	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			2-4'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			0-2'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			2-4'	Mercury 0.11 mg/kg	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			0-2'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
I-47	RHIC Magnet Pumping Units	I47B01	2-4'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			0-2'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			2-4'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
E-01	Former Sealing Tank/Leaching Pools	E01B01	14-16'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			20-22'	Chromium 152 mg/kg	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
				None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated		
			E01B02	12-14'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated	
				20-22'	None	Northrop Grumman, Belhpage Facility-Phase II Site Assessment-Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN (continued)	SOIL BORING IDENTIFICATION	SOURCE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-01 (continued)	Former Settling Tanks/Leaching Pools	E01B03	12-14'	Mercury 0.18 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E01B04	12-14'	Benz(a)pyrene 77 ug/kg; Mercury 0.18 mg/kg	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E01B05	5-7'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			12-14'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E01B06	18-20'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			12-14'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E01B07	20-22'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			12-14'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E01B08	18-20'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			24-26'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E01B09	16-18'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	24-26'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E01B11	12-14'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	20-22'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E01B12	12-14'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	20-22'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment- Plant 1, May 2001	Not Remediated			



TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOILCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-01 (continued)	Former Settling Tank Leaching Pools	E01B13	12-14'	Benz(a)pyrene 68 ug/kg; Arsenic 19.9 mg/kg; Cadmium 47.9 mg/kg; Chromium 64.7 mg/kg; Mercury 0.63 mg/kg; Selenium 3.2 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-02	Six Former Leaching Pools	E02B01	12-14'	Chromium 129 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			18-20'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			20-22'	Chromium 57.5 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			6-8'	Benz(a)anthracene 31 ug/kg; Benz(a)pyrene 380 ug/kg; Dibenz(a,h)anthracene 43 ug/kg; Chromium 51 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			14-16'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			12-14'	Chromium 140 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E-03	Former Heat Treat Drainage Weils	E03B03	20-22'	Chromium 115 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			12-14'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			24-26'	Chromium 88.6 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			16-18'	Benz(a)anthracene 170 ug/kg; Benz(a)pyrene 130 ug/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E-04	Former Dry Well	E04B01	22-24'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			14-16'	Mercury 0.23 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-04	Former Dry Well	E04B01	18-20'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
 NORTHTROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-08	Leaching Pool Area	E06B01	10-12'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			20-22'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			10-12'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E06B02	20-22'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			10-12'	Mercury 0.36 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	Mercury 0.13 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		E06B03	10-12'	Arsenic 8 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			10-12'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E06B04	20-22'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			12-14'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E06B05	8-10'	Chromium 154 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			10-12'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E06B09	20-22'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	14-16'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	16-20'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E07B01	12-14'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	11-13'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E-07	Nine Leaching Pools	E07B02	12-14'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			11-13'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHTROP GUNNMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-07 (continued)	Nine Leaching Pools (continued)	E07B03 (continued)	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			11-13'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E07B04	15-17'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E07B05	11-13'	Mercury 0.15 mg/kg	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E07B06	11-13'	Mercury 0.17 mg/kg	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E07B07	11-13'	Mercury 0.17 mg/kg	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E07B08	11-13'	Benzo(a)pyrene 70 ug/kg	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E07B10	5-7'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	11-13'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E07B11	11-13'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E07B12	11-13'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E07B13	11-13'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Gunnman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
E-07 (continued)	Former Leaching Pools (continued)	E07B13 (continued)	19-21'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			9-11'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			18-20'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated		
			E08B01	6-8'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				14-16'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				E08B02	6-8'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated
			14-18'		None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			E08B03	8-10'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				14-16'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			E08B04	10-12'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				14-16'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			E08B05	14-16'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				22-24'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E08B06	8-10'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated				
	14-18'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated				
E08B07	14-16'	Mercury 0.17 mg/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.			

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-08 (continued)	Former Leaching Field With Twenty Leaching Pools (continued)	E08B08	10-12'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			20-22'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			6-7'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E08B09	10-12'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			20-22'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E08B10	15-18'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			6-8'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E08B11	14-16'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			12-14'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			18-20'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E08B12	16-18'	Phenol 44 ug/kg	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			8-10'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Remediation to 2' bgs Complete	
E-09	Former Coal Storage Bin	E09B01	6-8'	Benzol(a)pyrene 86 ug/kg; Arsenic: 14.2 mg/kg; Mercury 0.13 mg/kg	Northrop Grumman, Bethpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			2-4'	None	North Grumman, Bethpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			4-6'	None	North Grumman, Bethpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSEDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN (continued)	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSEDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-09 (continued)	Former Coal Storage Bin (continued)	E09B01N5	0-2'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 2Tgs Complete	
			2-4'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			2-4'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
		E09B01E5	2-4'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			4-6'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			0-2'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 2Tgs Complete	
		E09B01W5	2-4'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			4-6'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			13-15'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E10B01	21-23'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			11-13'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			19-21'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E10B02	12-14'	Mercury 0.6 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation not required since Plant 1 Action Levels were not exceeded.	
			20-22'	Mercury 0.15 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation not required since Plant 1 Action Levels were not exceeded.	
			11-13'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E10B03	19-21'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	11-13'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	19-21'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E10B04	10-12'	Arsenic 7.8 mg/kg; Cadmium 42 mg/kg; Chromium 134 mg/kg; Mercury 0.77 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation not required since Plant 1 Action Levels were not exceeded.			
	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E10B05	10-12'	Cadmium 18.7 mg/kg; Chromium 99.8 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation not required since Plant 1 Action Levels were not exceeded.			
	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E10B06	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	10-12'	Cadmium 18.7 mg/kg; Chromium 99.8 mg/kg	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation not required since Plant 1 Action Levels were not exceeded.			
	16-18'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-10 (continued)	Sewer Former Leaching Pools	E109908	8-10'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			14-18'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-12	Former Dry Well	E12901	10-12'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			18-20'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-13	Former Drum Storage Area	E13901	1-3'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 2Tgs Complete	
		E13902	2-4'	Benzol(a)anthracene 1300 ug/kg; Chrysenes 1400 ug/kg; Benzol(b)fluoranthene 1200 ug/kg; Benzol(a)pyrene 1100 ug/kg; Dibenzol(e)h)anthracene 110 ug/kg	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			0-2'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 2Tgs Complete	
		E13902N5	2-4'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 2Tgs Complete	
		E13902SS	2-4'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 2Tgs Complete	
		E13902W8	2-4'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
0-2'	None		Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Remediation to 2Tgs Complete			
E13902EB	2-4'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	0-2'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E13902NE10	2-4'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	0-2'	None	Northrop Grumman, Belhage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-13 (continued)	Former Drum Storage Area (continued)	E13B02W12	0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E13B02NE20	0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-18	Existing On-site Recharge Basin	E18B01	0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	Benz(a)pyrene 120 ug/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			0-2'	Benz(a)pyrene 120 ug/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		E18B02	2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			18-20'	Chromium 220 mg/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E-20	Former On-site Recharge Basin	E20B01	2-4'	Chromium 94.3 mg/kg	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			4-6'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
		E21B01	2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-21	Former AST and Salvage Area	E21B02	2-4'	None	Northrop Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	



TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS		
E-21 (continued)	Former AST and Salvage Area	E21B03	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		E21B04	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		E21B05	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
		E-22	Material Storage Area	E22B01	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
					2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
				E22B02	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
					2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E22B03	0-2'			None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	2-4'			None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E22B04	0-2'			None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
	2-4'			None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
E-25	Former Concrete Sump Pit			E25B01	5-7'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
					7-9'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-27	Location of Former Trichloroethylene Tank	E27B01	1-3'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			
			3-5'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated			

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-30	Pump Station "A"	E30B01	13-15'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			15-17'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
E-32	Cabin Basins (Vicinity of Pump House/Water Tank)	E32B01	6-8'	Chromium 114 mg/kg	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			6-10'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			6-8'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			6-8'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			6-10'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
E-33	Former Tank 1111 (Between Hangers 1 and 2)	E33B01	1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	Chromium 57.7 mg/kg	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
E-34	Courtyard Between Hangers 1 and 2	E34B01	1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	Chromium 57.7 mg/kg	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			1-3'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			3-5'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
E-35	Area West of Hanger 1	E35B01	0-2'	Benzol(a)anthracene 270 ug/kg; Benzol(a)pyrene 200 ug/kg	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			2-4'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility; Phase II Site Assessment; Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHRUP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-35 (continued)	Area West of Hangar 1 (continued)	E35B02	0-2'	None	Northrup Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrup Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-36 Former Challenge Swale (N of Maintenance Area)		E36B01	1-3'	Phenol 100 ug/kg; Chromium 70.1 mg/kg	Northrup Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			3-5'	Phenol 35 ug/kg	Northrup Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		E36B02	1-3'	None	Northrup Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Remediation to 50gs Complete	
			3-5'	None	Northrup Grumman, Beltpage Facility- Phase II Site Assessment- Plant 1, May 2001	Remediation to 50gs Complete	
			5-7'	Arsenic 0.2 mg/kg	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		E36B02A	7-8'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			9-11'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			11-13'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			13-15'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			3-5'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 50gs Complete	
E36B02E30	5-7'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	8-11'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	13-15'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	3-5'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 50gs Complete			
E36B02WZ0		E36B02WZ0	3-5'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 50gs Complete	
			3-5'	None	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 50gs Complete	
E36B02WZ0A		E36B02WZ0A	5-7'	Arsenic 18.3 mg/kg	Northrup Grumman, Beltpage Facility- Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
E-36 (continued)	Former Challenge Swale (N of Maintenance Area) (continued)	E30802W75	1-3'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5Ygs Complete		
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5Ygs Complete		
			5-7'	Arsenic 10.1 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			7-9'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated		
			9-11'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated		
			11-13'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated		
			13-15'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated		
			E30802E5	1-3'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5Ygs Complete	
				3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5Ygs Complete	
				5-7'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
				9-11'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
				11-13'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
13-15'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1		Not Remediated				
E30802E10	3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5Ygs Complete				
	6-8'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated				
	9-11'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated				
	3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated				
E30802W75	5.5-7.5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated				

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDEC TAGH RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

ACC NUMBER (continued)	AREA OF CONCERN (Former Drilling Swale (N of Maintenance Area) (continued))	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGH RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-36 (continued)	Former Drilling Swale (N of Maintenance Area) (continued)	E36B02SW55	3-5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			5-5,7,9	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			1-3	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5ygs Complete	
		E36B02SW15	3-5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5ygs Complete	
			5-7	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			9-11	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
		E36B02SW20	3-5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			5-7	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			13-15	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
		E36B02ST	2,5,4,5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			3-5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			6-8	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
E36B02SE20	6-8	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	3-5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5ygs Complete			
	6-8	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
E36B02N10			1-3	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5ygs Complete	
			3-5	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 5ygs Complete	
			5-7	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			7-9	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			9-11	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOE NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-38 (continued)	Former Drainage Swale (N of Maintenance Area) (continued)	E36802N10 (continued)	11-13'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Not Remediated	
			13-15'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Not Remediated	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			6-8'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Not Remediated	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			5-7'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Not Remediated	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Definition Sampling - Plant 1	Remediation to 5Tgs Complete	
			3-5'	Asbestos 7.80 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 70pgs Complete	Remediation not required since Plant 1 Action Levels were not exceeded.
			FL-1	5'	Asbestos 7.80 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 70pgs Complete
FL-2	5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 70pgs Complete			
FL-3	5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 70pgs Complete			
FL-4	5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Tgs Complete			
FL-5	5'	Asbestos 8.98 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Tgs Complete	Remediation not required since Plant 1 Action Levels were not exceeded.		
E-37	Former Disposition (SE Parking Area)	E37B01	7'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Not Remediated	
			0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOILCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS											
E-38 (continued)	Former Discoloration (SE Parking Area)	E37802	0-2'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated												
			2-4'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated												
			10-12'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated												
			20-22'	None	Northrop Grumman, Beltpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated												
			E38801	None	SCOMP-1	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete									
						SCOMP-2	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete								
							SCOMP-3	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete							
								SCOMP-4	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete						
									SCOMP-5	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete					
										SCOMP-6	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete				
											SCOMP-7	5-7'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 7Ygs Complete			
												SCOMP-8	5-7'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 7Ygs Complete		
													SCOMP-9	5-7'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 7Ygs Complete	
														SCOMP-10	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete
			SCOMP-11	None	SCOMP-13	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete									
SCOMP-14	2-5'	None				North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete											
	SCOMP-15	2-5'				None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete										
		SCOMP-16				2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete									
						SCOMP-17	2-5'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5Ygs Complete								

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN Boiler Room Exhaust/Former Dry Well (continued)	SOIL BORING IDENTIFICATION	SOU/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-38 (continued)		SCOMP-16	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		SCOMP-17	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		SCOMP-18	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-1	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-2	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-3	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-4	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-5	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 7'tygs Complete	
		FCOMP-5A	5-7'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 7'tygs Complete	
		FCOMP-6	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-7	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-8	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-9	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Remediation to 5'tygs Complete	
		FCOMP-10	2-5'	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Demonstration Sampling - Plant 1	Remediation to 5'tygs Complete	
DD2 WCOT	3'tygs	None	North Gurnman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Demonstration Sampling - Plant 1	Remediation to 5'tygs Complete			



TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-38 (continued)	Boiler Room Exterior Former Dry Well	TRAIN	30gs	None	North Grumman, Bethpage Facility: Remedial Action Completion Report Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 50gs Complete	
			50gs	None	North Grumman, Bethpage Facility: Remedial Action Completion Report Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			50gs	None	North Grumman, Bethpage Facility: Remedial Action Completion Report Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			50gs	None	North Grumman, Bethpage Facility: Remedial Action Completion Report Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			50gs	None	North Grumman, Bethpage Facility: Remedial Action Completion Report Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
E-39	Dry Wall Outside Former Facility Maintenance Area	E39B01	20-22'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-41	Dry Wall Outside Former Paint Tunnel	E41B01	18-20'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			8-10'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-42	Undertended Pili Outside Boiler Room	E42B01	3-5'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			5-7'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			5-7'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-43	Former 2,000 Gall Gas USTs (4) S. of Refrigeration/Air Conditioning Room	E43B01	6-8'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			14-16'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			0-2'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
E-44	Former Gas Pump House S. of Refrigeration/Air Conditioning Room	E44B01	2-4'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	
			5-7'	Asbestic 7.9 mg/kg; Chromium 350 mg/kg	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			7-9'	Asbestic 9.1 mg/kg; Chromium 221 mg/kg	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
D-14	LPA PWSump	D14B01	8-11'	None	Northrop Grumman, Bethpage Facility: Phase II Site Assessment- Plant 1, May 2001	Not Remediated	

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
D-15	Square Ejector Pit North of Recharge Basin	D15B01	6-8'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment - Plant 1, May 2001	Remediation to 27bgs Complete		
			10-12'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment - Plant 1, May 2001	Remediation to 27bgs Complete		
			14-16'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment - Plant 1, May 2001	Remediation to 27bgs Complete		
			17-18'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment - Plant 1, May 2001	Remediation to 27bgs Complete		
			19-21'	None	Northrop Grumman, Beltpage Facility, Phase II Site Assessment - Plant 1, May 2001	Remediation to 27bgs Complete		
			D15B01A	21-23'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
				25-27'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
				28-31'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
				11-13'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
				15-17'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
			D15B02	18-21'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
				23-25'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
				27-28'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
				31-33'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
				11-13'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete	
D15B03	15-17'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete				
	19-21'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete				
	23-25'	None	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27bgs Complete				
	27-28'	Chromium 261 mg/kg N	Northrop Grumman, Beltpage Facility, Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.			

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-15 (continued)	Square Ejector Pile North of Rectingage Basin (continued)	D15B03 (continued)	31-33'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			11-13'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			15-17'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			19-21'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			23-25'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			27-29'	Chromium 177 mg/kg	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			31-33'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			24-26'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			28-30'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
D15B05			32-34'	Chromium 71.9 mg/kg	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			36-38'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	
			26-30'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
D15B06			32-34'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
D15B07			20-22'	None	North Grumman, Bethpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27Ygs Complete	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-15 (continued)	Square Ejector Pit North of Rectarge Basin (continued)	D15B07 (continued)	24-25'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			28-30'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			24-28'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			28-30'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			38-38'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
D15B08			40-42'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-15 (continued)	Square Ejector Pit North of Recharge Basin (continued)	D15B10	20-22'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			24-26'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			28-30'	Chromium 110 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			24-26'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			28-30'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
D15B11		D15B12	24-26'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			28-30'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
D15B12		D15B12	24-26'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Remediation to 27ygs Complete	
			28-30'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	

TABLE 2  
NORTHRUP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-15 (continued)	Square Ejector Pit North of Recharge Basin (continued)	D15B12 (continued)	32-34	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
D-17	Pit in Tomb Adjacent to South Side of Former Carpenter Shop	D17B01	0-2'	None	Northrup Grumman, Beltpage Facility: Phase II Site Assessment - Plant 1, May 2001	Not Remediated	
			2-4'	None	Northrup Grumman, Beltpage Facility: Phase II Site Assessment - Plant 1, May 2001	Not Remediated	
			4-6'	Benz(a)anthracene 320 ug/kg; Chrysene 540 ug/kg; Benz(a)pyrene 180 ug/kg	Northrup Grumman, Beltpage Facility: Phase II Site Assessment - Plant 1, May 2001	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
UNDERGROUND INJECTION CONTROL (UIC) PROGRAM							
INTERIOR SAMPLES:							
I-01 Former Leaching Pools in Former Facility Maintenance Area		101B01	10-12'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 10-14 Dgs Complete	
			18-20'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		101B01A	12-14'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 10-14 Dgs Complete	
			14-18'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			18-18'	Chromium 72.8 mg/kg	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
		101B02	10-12'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 10-14 Dgs Complete	
			16-18'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		101B02A	12-14'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 10-14 Dgs Complete	
			14-18'	Chromium 85.6 mg/kg	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.

TABLE 2  
NORTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOO NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
1-01 (continued)	Former Launching Pools in Former Facility Maintenance Area (continued)	101B003	10-12'	None	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation 10-14ygs Complete	
			16-18'	Mercury 0.27 mg/kg	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation at the AOC was limited to the removal of the maximum practical amount of soil without undermining the structure and/or the Plant 1 building.
		101B03A	12-14'	None	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation 10-14ygs Complete	
			14-16'	None	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			18-20'	Chromium 131 mg/kg	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation at the AOC was limited to the removal of the maximum practical amount of soil without undermining the structure and/or the Plant 1 building.
			20-22'	None	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		101B03A1	22-24'	Mercury 0.56 mg/kg	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation at the AOC was limited to the removal of the maximum practical amount of soil without undermining the structure and/or the Plant 1 building.
			26-28'	Cadmium 11.2 mg/kg; Lead 653 mg/kg; Mercury 0.96 mg/kg	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation at the AOC was limited to the removal of the maximum practical amount of soil without undermining the structure and/or the Plant 1 building.
			28-30'	None	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		1-19	Material Stock Room	11B002	34-36'	None	Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1
5.5-7.5'	None				Northrop Grumman, Bethesda Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 5.5-9.5ygs Complete	

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
1-19 (continued)	Material Stock Room (continued)	119902 (continued)	7.5-9.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 5.5-9.5ygs Complete	
1-19 (continued)		119902A	9.5-11.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
1-27	Pipe Trench in SMS Bench Parking Area	127801	3-5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 6ygs Complete	
			5-7'	Benzol(a)anthracene 2500 ug/kg; Chrysenes 2800 ug/kg; Benzol(b)fluoranthene 2100 ug/kg; Benzol(a)pyrene 2100 ug/kg; Dibenzol(a,h)anthracene 190 ug/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 6ygs Complete	While remediation occurred and the endpoint sampling shows only an excidence of Benzol(a)pyrene (22 ppb), remediation did not reach a depth of 7' and so it will be assumed these excidences still remain.
		127801A	7-9'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			9-11'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			11-13'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		127802	1.5-3.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 5.5ygs Complete	
			3.5-5.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 6.5ygs Complete	
			5.5-7.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		127802A	7.5-9.6'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			9.5-11.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	



TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS			
E-03	Former Heat Treat Drainage Walls	E03B03	12-14'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 12-187ygs Complete				
			20-22'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated				
			14-15'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 12-187ygs Complete				
			16-18'	Chromium 118 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	The maximum practical amount of soil was removed from the drywell without undermining the structures integrity.			
			18-20'	Chromium 134 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	The maximum practical amount of soil was removed from the drywell without undermining the structures integrity.			
			E03B03A	None	138B03	1-3'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 5Ygs Complete	
						3-5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 5Ygs Complete	
						5-7'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
						7-9'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
						9-11'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
						None	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			I-39	Boiler Room	129B01A	2-4'	Phenol 89 ug/kg; Benz(a)anthracene 430 ug/kg; Chrysene 440 ug/kg; Benz(a)pyrene 320 ug/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 2.5Ygs Complete	Soil was excavated to an approximate depth of 2.5', however it is assumed that some of the exceedances remain.
4-6'	Phenol 62 ug/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated	This location was switched to the RCRA program, so is no longer subject to UIC constraints. Remediation not required since Plant 1 Action Levels were not exceeded.			
6-8'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated				
8-10'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated				
10-12'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated				
None	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated				

Exterior Samples:

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-06	Leaching Pool Area	E08B07	11-13'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated from 7.5-147pgs Complete	
			15-17'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			8-10'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated from 7.5-137pgs Complete	
			15-18'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated from 7.5-137pgs Complete	
			12-14'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated from 7.5-137pgs Complete	
E-07	Nine Leaching Pools	E08B08A	14-16'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10'	Benzo (a) pyrene 69 ug/kg	Northrop Grumman, Belhogue Facility: Interim Report No. 2 UIC Closure Program - Plant 1	Not Remediated	
			13-15'	Mercury 0.18 mg/kg	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E-08	Former Leaching Field with Twenty Leaching Pools	E08B13	14-18'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			20-22'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			11-13'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated from 1-137pgs Complete	
E-10	Seven Former Leaching Pools	E10B07	19-21'	None	Northrop Grumman, Belhogue Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-10 (continued)	Seven Former Leaching Pools (continued)	E10807A1	13-15'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
			17-15'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
E-11	Former Dry Well	E11B01	8-10'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation from 3-10' to 8' Complete	
			14-16'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
E-14	Former Acidine Storage Chambers	E11B01A	10-12'	Mercury 0.12 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			12-14'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
E-14	Former Acidine Storage Chambers	E14B01	4-5'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation to 12' to 6' Complete	
			10-12'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation to 12' to 6' Complete	
			10-12'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation to 12' to 6' Complete	
			14-16'	Chromium 183 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	Chromium 83.7 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			24-26'	Chromium 93.7 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			26-30'	Chromium 103 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			32-34'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
			5-7'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
			11-13'	Chromium 62 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B01NWS			17-19'	Chromium 58.1 mg/kg	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			21-23'	None	Northrop Grumman, Beltpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	

TABLE 2  
NORTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/SCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Acidins Storage Chambers (continued)	E14B01NE5A	5-7'	Benzol(a)anthracene 2000 ug/kg; Chrysene 1700 ug/kg; Benzol(b)fluoranthene 1800 ug/kg; Benzol(a)pyrene 1300 ug/kg; Dibenzol(a,h)anthracene 53 ug/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			11-13'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B01NE5		E14B01NE5A	15-17'	Chromium 52.8 mg/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			21-23'	Chromium 51.1 mg/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B01NE5A		E14B01NE5A	7-8'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			9-11'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01NE5A		E14B01NE5A	22-24'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			26-28'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B01NE5A		E14B01NE5A	30-32'	Chromium 53.8 mg/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			5-7'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
E14B01S7		E14B01S7	11-13'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			15-17'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01S7		E14B01S7	21-23'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
E14B01SW10		E14B01SW10	16-18'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			22-24'	Mercury 0.13 mg/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B01WNVW11		E14B01WNVW11	26-28'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			16-18'	Chromium 60.2 mg/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B01WNVW11		E14B01WNVW11	20-22'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	

TABLE 2  
NORTROP GRUMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	BOLLCORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Alodine Storage Chambers	E14B01WNNH11 (continued)	24-28'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			18-20'	Mercury 1.1 mg/kg	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			26-28'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		E14B01SE11	16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			26-28'	Arsenic 8.6 mg/kg	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01WVW15	E14B01S15	E14B01W10	28-30'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			4-6'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			10-12'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01W10	E14B01S15	E14B01W10	22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			28-30'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			4-6'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			10-12'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01W10	E14B01S15	E14B01W10	22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			28-30'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			4-6'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			10-12'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01W10	E14B01S15	E14B01W10	22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			28-30'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			4-6'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			10-12'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B01W10	E14B01S15	E14B01W10	22-24'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			28-30'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			4-6'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			10-12'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12tgs Complete	
			16-18'	None	Nortrop Gruman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDOC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDOC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
E-14 (continued)	Former Abotrina Storage Chambers	E14B01WSW15	16-18'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			20-22'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			26-28'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			30-32'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			E14B02	7-8'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 120gs Complete	
				10-12'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 120gs Complete	
				10-12'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 120gs Complete	
				16-18'	Chromium 160 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
				20-22'	Chromium 157 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
				24-26'	Chromium 178 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			E14B02A1	28-28'	Chromium 164 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
				30-32'	Chromium 102 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
32-34'	Chromium 60.7 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1		Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.			
36-38'	Chromium 110 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1		Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.			
E14B02A2	46-48'	Chromium 58.4 mg/kg		Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
	48-50'	None		Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
E14B02AENE12	4-8'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 120gs Complete				
	12-14'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated				

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-314 (continued)	Former Asbestos Storage Chambers	E14B02AENE12 (continued)	18-20'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			24-28'	Chromium 51.2 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			30-32'	Chromium 103 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			32-35'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	Chromium 138 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			40-42'	Chromium 539 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	The maximum practical amount of soil was removed from this location without undermining the retaining wall's structural integrity.
		E14B02AENE12A	44-46'	Chromium 78.1 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			48-50'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 1279s Complete	
			16-18'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			20-22'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			22-24'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B02AENSE12			28-30'	Chromium 104 mg/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	Chromium 105 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			40-42'	Chromium 206 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			44-46'	Chromium 112 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			48-50'	Chromium 93.1 mg/kg	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.

TABLE 2  
NORTROP GRUMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGH RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGH RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS	
E-14 (continued)	Former Aodine Storage Chambers (continued)	E14B02N5	5-7'	Benz(a)pyrene 110 ug/kg; Arsenic 10.9 mg/kg; Chromium 57.5 mg/kg	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.	
			11-13'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			17-19'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			21-23'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated		
			E14B02NSA	7-9'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
				9-11'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
				5-7'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated	
				11-13'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediated	
				15-17'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
				21-23'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			E14B02SE11	10-12'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12bgs Complete	
				16-18'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
20-22'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1		Not Remediated				
26-28'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1		Not Remediated				
16-18'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1		Not Remediated				
22-24'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1		Not Remediated				
E14B02S15	28-28'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated				
	30-32'	None	Northrop Gruman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated				



TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN Former Acidine Storage Chambers	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)		E14B02S15E10	10-12'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 129gs Complete	
			16-18'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			20-22'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			25-28'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	Mercury 0.21 mg/kg	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			12-14'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		E14B02S15S7	16-18'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			22-24'	Arsenic 29.7 mg/kg	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	The maximum practical amount of soil was removed from this location without undermining the retaining wall's structural integrity.
			28-28'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			12-14'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			18-18'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B02S15W10	20-22'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	24-25'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	28-30'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	8-8'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 129gs Complete			
	E14B03	10-12'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 129gs Complete		

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOM) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOM'S	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Adhesive Storage Chambers	E14B00A	10-12'	None	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12Tgs Complete	Remediation not required since Plant 1 Action Levels were not exceeded.
			14-15'	Chromium 132 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			20-22'	Chromium 82.3 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			22-24'	Chromium 68.3 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			26-28'	Chromium 73.9 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			30-32'	Chromium 85.7 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			32-34'	None	North Grumman, Beltspace Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	Chromium 78 mg/kg	North Grumman, Beltspace Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			40-42'	None	North Grumman, Beltspace Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			44-46'	None	North Grumman, Beltspace Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			48-50'	None	North Grumman, Beltspace Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			E14B00A2			6-8'	None
14-16'	None	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated	
20-22'	Chromium 71.7 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
24-26'	Chromium 68.3 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
30-32'	Chromium 83.5 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
32-34'	None	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1				Not Remediated	
E14B00SE5A			36-38'	Chromium 117 mg/kg	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			40-42'	None	Northrop Grumman, Beltspace Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN (continued)	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E14B03SESE15 (continued)	Former Aqueous Storage Chambers	E14B03SESE5A (continued)	44-45'	None	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			48-50'	Chromium 83.5 mg/kg	Northrop Grumman, Beltspage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			16-18'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			24-28'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			28-30'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	Chromium 111 mg/kg	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			44-46'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
E14B03SSEZ5			34-38'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			38-40'	Chromium 62.1 mg/kg	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			42-44'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			46-48'	Chromium 121.7 mg/kg	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
E14B03SESE15			18-18'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			20-22'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			24-28'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			28-30'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
32-34'	None	Northrop Grumman, Beltspage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated				

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Acetone Storage Chambers	E14B03ESE15 (continued)	36-38'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			44-46'	Chromium 177 mg/kg	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			48-50'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			34-36'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			38-40'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
		E14B03ESE25	42-44'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			46-48'	None	Northrup Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			5-7'	Benzol(a)anthracene 340 ug/kg; Chrysene 410 ug/kg; Benzo(a)pyrene 230 ug/kg; Chromium 158 mg/kg; Mercury 0.29 mg/kg	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.
			9-11'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			15-17'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			21-23'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B03NWS	5-7'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	11-13'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	15-17'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	21-23'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	6-8'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12Tgs Complete			
	14-16'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
E14B03S7	20-22'	None	Northrup Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN (continued)	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Aqueous Storage Chambers	E14B03E10 (continued)	26-28'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12bgs Complete	
			19-18'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			20-22'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			28-28'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
		E14B03E25	34-36'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			38-40'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			42-44'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			48-48'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 12bgs Complete	
			15-18'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
E14B03E10	22-24'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	28-28'	None	Northrop Grumman, Bathpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated			
	32-34'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	36-38'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	40-42'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	44-46'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
E14B09	None	None	48-50'	None	North Grumman, Bathpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER (continued)	AREA OF CONCERN (continued)	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Acidine Storage Chambers	E14B08	32-34'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			44-46'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			48-50'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
		E14B07	36-38'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			44-46'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			48-50'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
E14B05	40-42'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	44-46'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	48-50'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	32-34'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	36-38'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	40-42'	Chromium 194 mg/kg	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
E14B04	44-46'	Chromium 57.8 mg/kg	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	Remediation not required since Plant 1 Action Levels were not exceeded.		
	36-38'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			
	32-34'	None	North Grumman, Belhpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated			

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCQ) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCQs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-14 (continued)	Former Acidline Storage Chambers (continued)	E14B04 (continued)	48-50'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			32-34'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			36-38'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			40-42'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			44-46'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			48-50'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: Supplemental Phase II Delineation Sampling - Plant 1	Not Remediated	
			16-18'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Not Remediated	
			16-18'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Not Remediated	
			16-18'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Not Remediated	
			16-18'	None	North Grumman, Beltpage Facility: Remedial Action Completion Report: End Point Sampling - Plant 1	Not Remediated	
E-15	Loading Platform Dry Well	E15B01	7-9'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 110pgs Complete	
			11-13'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 10-120pgs Complete	
E-16	Former Leaching Gallery	E16B01	14-16'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			12-14'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			4-6'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 4-110pgs Complete	
E-24	Former Dry Well	E24B01	12-14'	Phenol 63 ug/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	The maximum practical amount of soil was removed from this drywell without undermining the structures integrity.

TABLE 2  
NORTHROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOG) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL/CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOG	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
E-24 (continued)	Former Dry Well (continued)	E24B01A	6-8'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 4-11togs Complete	
			8-10'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 4-11togs Complete	
			10-12'	Benzol(e)anthracene 300 ug/kg J; Benzol(e)pyrene 250 ug/kg J	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	The maximum practical amount of soil was removed from this drywell without undermining the structures integrity.
E-31	Dry Well North of Former Carpentry Shop	E31B01	12-14'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			8-10'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 4-12togs Complete	
			16-18'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 4-12togs Complete	
			12-14'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-01	Dry Well Northeast of Water Tank	E31B01A	12-14'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			14-16'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			9-11'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 6-13togs Complete	
			13-15'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			17-19'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-02	Dry Well In Northeast Parking Lot	D01B01	13-15'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 24togs Complete	
			17-19'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 24togs Complete	
			21-23'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 24togs Complete	
			25-27'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			27-29'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-02	Dry Well In Northeast Parking Lot	D02B01A	33-35'	None	Northrop Grumman, Belhpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	



TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

ACC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-03	Dry Well in Northeast Parking Lot	D03B01	13-15'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 13-17'ogs Complete	
			17-19'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			21-23'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-04	Dry Well in Roadway Along East Side of Building	D04B01	16-18'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 16-24'ogs	
			20-22'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 16-24'ogs	
			24-26'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-05	Dry Well in Roadway Along East Side of Building	D05B01	12-14'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 12-24'ogs Complete	
			16-18'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 12-24'ogs Complete	
			20-22'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 12-24'ogs Complete	
			22-24'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 12-24'ogs Complete	
			26-28'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			30-32'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-08	Dry Well in Southeast Corner of Air Conditioning Room	D08B01	9-11'	None	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 9-13'ogs Complete	
			13-15'	Benzol(a)anthracene 5900 ug/kg; Chrysene 7000 ug/kg; Benzo(b)fluoranthene 5200 ug/kg; Benzo(k)fluoranthene 6300 ug/kg; Benzo(a)pyrene 5000 ug/kg; Dibenz(a,h)anthracene 220 ug/kg; Arsenic 14.4 mg/kg; Cadmium 50.2 mg/kg; Chromium 187 mg/kg; Mercury 1.7 mg/kg; Selenium 3.8 mg/kg	Northrop Grumman, Bethpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	The maximum practical amount of soil was removed from this drywell without undermining the structures integrity. Endpoint samples were collected at 1'8'ogs and did not exceed Plant 1 Action Levels.

TABLE 2  
 NORTHROP GRUMMAN CORPORATION  
 PLANT 1  
 SUMMARY OF HVSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE HVSDEC TAGM RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-07	Dry Well in Southeast Corner of Air Conditioning Room	D07B01	18-18'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation from 18-20pgs Complete	
			20-22'	Benz(a)pyrene 170 ug/kg	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-08	Earthen Area Which Receives Discharge From Shop Sinks in Drum Storage Area	D08B01	24-26'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			0.5-2.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 4.5pgs Complete	
			4.5-8.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			8.5-10.5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
D-09	Drainage Structure Northwest of Boiler Room	D09B01	3-5'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 7pgs Complete	
			7-9'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			11-13'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			5-7'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 11pgs Complete	
D-10	"Carved-up" Dry Well Northwest of Boiler Room	D10B01	7-9'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 11pgs Complete	
			9-11'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Remediation to 11pgs Complete	
			11-13'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	
			13-15'	None	Northrop Grumman, Beltpage Facility: Underground Injection Control (UIC) Program: Phase II Site Assessment - Plant 1	Not Remediated	

TABLE 2  
NORTHTROP GRUMMAN CORPORATION  
PLANT 1  
SUMMARY OF NYSDEC TAGH RECOMMENDED SOIL CLEANUP OBJECTIVES (RSCOs) EXCEEDANCES

AOC NUMBER	AREA OF CONCERN	SOIL BORING IDENTIFICATION	SOIL CORE SAMPLE	SUMMARY OF REMAINING CONTAMINANT CONCENTRATIONS EXCEEDING THE NYSDEC TAGH RSCOs	REPORT IN WHICH DATA IS CONTAINED (1)	STATUS OF REMEDIATION	COMMENTS
D-11	Subsurface Structure Northwest of Boiler Room With Six Pipe Stacks	D11B01	2-4'	Arsenic 8 mg/kg; Chromium 123 mg/kg	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation from 2-3'tgs Complete	While remediation occurred, it did not reach a depth of 4' and so it will be assumed the exceedances remain.
			6-8'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
			10-12'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
D-13	3 Dry Wells Adjacent to Pump Station B	D13B01	8-11'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation from 8-11'tgs Complete	
			13-15'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
			17-19'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
D-16	Sump within Air Handling Room	D16B01	1-3'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation to 7.5'tgs Completed	
			5-7'	None	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Remediation to 7.5'tgs Completed	
			10'	Benzol(a)pyrene 78 ug/kg	Northrop Grumman, Bethpage Facility- Underground Injection Control (UIC) Program; Phase II Site Assessment - Plant 1	Not Remediated	
D-05	Facilities Maintenance Area	101B03	10'		Not Remediated		

Notes:

N/A: Not applicable.

1. Report references:

"Phase II Site Assessment, Plant 1, Northrop Grumman Corporation, Bethpage, New York," Davis and Donnelly Consulting Engineers, May 2001.

"UIC Phase II Site Assessment, Plant 1, Northrop Grumman Corporation, Bethpage, New York," Davis and Donnelly Consulting Engineers, June 2001.

"Remedial Action Remedial Report - Plant 1 Facility, Northrop Grumman Corporation, Bethpage, New York," Davis and Donnelly Consulting Engineers, August 2002.

2. No NYSDEC RSCOs for these.

3. No NYSDEC RSCOs for TPHCL. A value of 1,000 mg/kg is commonly utilized by the NCDPH.

**ATTACHMENT 5**







## **APPENDIX B**



## EPHASE2, LLC

53 WEST HILLS ROAD • HUNTINGTON STATION, NY • 11746  
PHONE: (631) 673-0612 • FAX: (631) 427-5323

April 17, 2015

Mr. Stephen Hix  
Edgewater Environmental, Inc.  
10 Adams Place  
Huntington Station, New York 11746

Re: Geophysical Survey to Clear Boring Locations, Mark Utilities, and Geoprobe to Conduct Soil Borings.  
**LEA Project ID# 15-175**

Dear Mr. Hix,

*EPHASE2, LLC* was retained by Edgewater Environmental, Inc., to conduct a geophysical survey and geoprobe at 1-15 Gruman Road West, Bethpage, New York for the proposed Bethpage Walking Park. *EP2's* objective was to markout any utilities within the designated area of concern and provide one clear boring location within each said location, as well as conduct soil borings for each said location. Clear boring locations are designated by a white circle with an 'X' through the center.

A GSSI model Utility Scan DF with dual 300 and 800 MHz antennae Ground Penetrating Radar (GPR) system was used for the survey and consisted of a control unit, control cable, and a transducer. In the subsurface, reflections of the pulse occur at boundaries where there is a dielectric contrast (void, steel, soil type). The reflected portion of the signal travels back to the antenna and control unit and is subsequently shown on the display of the computers color video monitor for interpolation. The scan was completed from zero to 10 feet below grade over searched areas. A Radiodetection Model RD8000 Receiver and Tx10 transmitter were used in conjunction with the GPR equipment to locate and mark utilities.

On April 10, 2015, *EP2* staff conducted the geophysical survey, which included marking clear boring locations for six proposed soil borings, marking on-site utilities, and scanning for any sub-surface anomalies.

Based upon data collected during the scan, *EP2* has determined that the proposed boring locations are clear for drilling. Several anomalies were detected, but none were indicative of a tank or septic system; anomalies were small and non-continuous. GPR images also depicted a few areas of disturbed soil. Utility mark outs are plotted on the site sketch attached.

On April 13, 2015, **EP2** staff conducted soil borings at six (6) exterior locations throughout the proposed Bethpage Walking Park. Sample locations were based upon **EP2's** GPR Survey and designated soil boring locations by Edgewater Environmental, Inc. Using a model 67120DT Geoprobe®, continuous soil borings were advanced from zero to ten feet below grade at boring locations designated SB-1 through SB-6. Please refer to the Site Sketch for **EP2's** GPR Survey Anomaly Locations and Soil Boring Locations.

**EP2** inspected the soil cores to characterize soil stratigraphy. Sample intervals are described in the attached boring logs. Generally, the on-site soils appeared to be tan to dark brown in color, poorly graded sands with gravel throughout and with a grayish tan clay layer around 7 feet below grade. Please refer to the Soil Boring Log attachment for a detailed description. Please do not hesitate to contact the undersigned should you have any questions or require anything further.

Respectfully submitted,



Albert Kim  
Geologist  
**EPhase2, LLC.**

Attachments:    Site Sketch  
                      Soil Boring Logs



E PHASE 2, LLC.

SOIL BORING LOG

DATE: April 13, 2015

Client:	<u>Stephen Hix</u>	Boring ID.	<u>B-1</u>
Site Name:	<u>Bethpage Walking Park Investigation</u>	Boring Location:	<u>See Site Sketch</u>
Site Location:	<u>1-15 west Gruman Road, bethpage</u>	Surface Elev. (ft):	<u>Relative to Grade</u>
LEA Job#:	<u>15-175</u>	DTW (ft) :	<u>Approx 48 feet bgs</u>

Field Geologist:	<u>Albert Kim</u>	Drill Type:	<u>6712 Geoprobe</u>
Driller:	<u>Charlie Lynch</u>	Sample Type:	<u>Split</u>
Weather Cond.	<u>Sunny</u>		<u>Grab</u>
Temp:	<u>60 Degress Fahrenheit</u>		<u>Core X</u>

SOIL TYPE CODES		Ft.	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)		0	NA	0.0	Top Soil
Poorly graded gravels or gravel/sand mix (GP)		1	NA	0.0	Top Soil
Well graded sands, gravelly sands, no fines (SW)		2	SM	0.0	Tan silty sand
Poorly graded sands, gravelly sands, no fines (SP)		3	SM	0.0	Tan silty sand
Silty sands, sand silt mixtures (SM)		4	SM	0.0	Tan silty sand
Inorganic silts, fine sand, silty-clayey fine sands (ML)		5	SM	0.0	Tan silty sand
Inorganic clays, gravelly/sandy clays, silty clays (CL)		6	SM	0.0	Tan silty sand
Organic silts, organic silty clays of low plasticity (OL)		7	SP	0.0	Tan sand, poorly graded, with pebbles
Organic clays of med. to high plasticity, organic silts (OH)		8	SW	0.0	Tan sand, well graded, with pebbles
Peat and other highly organic soils (PT)		9	SW	0.0	Tan gravelly sand with rocks
Bedrock etc. (BD)		10	SW	0.0	Tan gravelly sand with rocks
Other (fill, etc)					
Notes:					
Sample Collected at 1-2 and 8-10 feet below surface					

\* =Depth relative to grade



E PHASE 2, LLC.

SOIL BORING LOG

DATE: April 13, 2015

Client:	<u>Stephen Hix</u>	Boring ID.	<u>B-2</u>
Site Name:	<u>Bethpage Walking Park Investigation</u>	Boring Location:	<u>See Site Sketch</u>
Site Location:	<u>1-15 west Gruman Road, bethpage</u>	Surface Elev. (ft):	<u>Relative to Grade</u>
LEA Job#:	<u>15-175</u>	DTW (ft) :	<u>Approx 48 feet bgs</u>

Field Geologist:	<u>Albert Kim</u>	Drill Type:	<u>6712 Geoprobe</u>
Driller:	<u>Charlie Lynch</u>	Sample Type:	<u>Split</u>
Weather Cond.	<u>Sunny</u>		<u>Grab</u>
Temp:	<u>60 Degress Fahrenheit</u>		<u>Core X</u>

SOIL TYPE CODES		Ft.	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)		0	NA	0.0	Asphalt
Poorly graded gravels or gravel/sand mix (GP)		1	SM	0.0	Brown silty sand
		2	SM	0.0	Brown silty sand
Well graded sands, gravelly sands, no fines (SW)		3	SM	0.0	Brown silty sand
		4	SM	0.0	Tan silty sand with pebbles
Poorly graded sands, gravelly sands, no fines (SP)		5	SM	0.0	Tan silty sand with pebbles
		6	SM	0.0	Tan silty sand with pebbles
Silty sands, sand silt mixtures (SM)		7	OL	0.0	Grayish tan clay
		8	OL	0.0	Grayish tan clay
Inorganic silts, fine sand, silty-clayey fine sands (ML)		9	GP	0.0	tan coarse grained gravelly sand with rocks
		10	GP	0.0	tan coarse grained gravelly sand with rocks
Inorganic clays, gravelly/ sandy clays, silty clays (CL)					
Organic silts, organic silty clays of low plasticity (OL)					
Organic clays of med. to high plasticity, organic silts (OH)					
Peat and other highly organic soils (PT)					
Bedrock etc. (BD)					
Other (fill, etc)					
Notes:					
Sample Collected at 1-2 and 8-10 feet below surface					

\* =Depth relative to grade

E PHASE II, LLC.

SOIL BORING LOG

DATE: April 13, 2015

Client:	Stephen Hix	Boring ID.	B-3
Site Name:	Bethpage Walking Park Investigation	Boring Location:	See Site Sketch
Site Location:	1-15 west Gruman Road, bethpage	Surface Elev. (ft):	Relative to Grade
LEA Job#:	15-175	DTW (ft) :	Approx 48 feet bgs

Field Geologist:	Albert Kim	Drill Type:	6712 Geoprobe
Driller:	Charlie Lynch	Sample Type:	Split _____
Weather Cond.	Sunny		Grab _____
Temp:	60 Degress Fahrenheit		Core <u>X</u>

SOIL TYPE CODES		Ft.	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)		0	NA	0.0	Asphalt
Poorly graded gravels or gravel/sand mix (GP)		1	SM	0.0	Brownish tan silty sand with pebbles
		2	SM	0.0	Brownish tan silty sand with pebbles
Well graded sands, gravelly sands, no fines (SW)		3	SM	0.0	Brownish tan silty sand with pebbles
		4	SM	0.0	Brownish tan silty sand with pebbles
Poorly graded sands, gravelly sands, no fines (SP)		5	SM	0.0	Tan silty sand
		6	SM	0.0	Tan silty sand
Silty sands, sand silt mixtures (SM)		7	SW	0.0	Orange tan sand, well graded with pebbles
		8	SW	0.0	Orange tan sand, well graded with pebbles
Inorganic silts, fine sand, silty-clayey fine sands (ML)		9	GP	0.0	Tan coarse grained gravelly sand with rocks
		10	GP	0.0	Tan coarse grained gravelly sand with rocks
Inorganic clays, gravelly/ sandy clays, silty clays (CL)					
Organic silts, organic silty clays of low plasticity (OL)					
Organic clays of med. to high plasticity, organic silts (OH)					
Peat and other highly organic soils (PT)					
Bedrock etc. (BD)					
Other (fill, etc)					
<b>Notes:</b>					
Sample Collected at 1-2 and 8-10 feet below surface					
little recovery from 0-5 feet below surface					

\* =Depth relative to grade

E PHASE 2, LLC.

SOIL BORING LOG

DATE: April 13, 2015

Client:	Stephen Hix	Boring ID.	B-4
Site Name:	Bethpage Walking Park Investigation	Boring Location:	See Site Sketch
Site Location:	1-15 west Gruman Road, bethpage	Surface Elev. (ft):	Relative to Grade
LEA Job#:	15-175	DTW (ft) :	Approx 48 feet bgs

Field Geologist:	Albert Kim	Drill Type:	6712 Geoprobe
Driller:	Charlie Lynch	Sample Type:	Split _____
Weather Cond.	Sunny		Grab _____
Temp:	60 Degree Fahrenheit		Core <u>  X  </u>

SOIL TYPE CODES	Ft.	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)	0	NA	0.0	Asphalt
Poorly graded gravels or gravel/sand mix (GP)	1	SM	0.0	Reddish Brown silty sand with pebbles
	2	SM	0.0	Reddish Brown silty sand with pebbles
Well graded sands, gravelly sands, no fines (SW)	3	SW	0.0	Orange tan moderately coarse sand with rock
	4	SW	0.0	Orange tan moderately coarse sand with rock
Poorly graded sands, gravelly sands, no fines (SP)	5	OL	0.0	Grayish tan clay
	6	SW	0.0	Tan moderatly coarse sand with rock
Silty sands, sand silt mixtures (SM)	7	SW	0.0	Tan moderatly coarse sand with rock
	8	SW	0.0	Tan moderatly coarse sand with rock
Inorganic silts, fine sand, silty-clayey fine sands (ML)	9	GP	0.0	Tan coarse gravelly sand with rock
	10	GP	0.0	Tan coarse gravelly sand with rock
Inorganic clays, gravelly/ sandy clays, silty clays (CL)				
Organic silts, organic silty clays of low plasticity (OL)				
Organic clays of med. to high plasticity, organic silts (OH)				
Peat and other highly organic soils (PT)				
Bedrock etc. (BD)				
Other (fill, etc)				
Notes:				
Sample Collected at 1-2 and 8-10 feet below surface				

\* =Depth relative to grade

E PHASE 2, LLC.

SOIL BORING LOG

DATE: April 13, 2015

Client:	Stephen Hix	Boring ID.	B-5
Site Name:	Bethpage Walking Park Investigation	Boring Location:	See Site Sketch
Site Location:	1-15 west Gruman Road, bethpage	Surface Elev. (ft):	Relative to Grade
LEA Job#:	15-175	DTW (ft) :	Approx 48 feet bgs

Field Geologist:	Albert Kim	Drill Type:	6712 Geoprobe
Driller:	Charlie Lynch	Sample Type:	Split _____
Weather Cond.:	Sunny		Grab _____
Temp:	60 Degress Fahrenheit		Core <u>X</u>

SOIL TYPE CODES	Ft.	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)	0	NA	0.0	Asphalt
Poorly graded gravels or gravel/sand mix (GP)	1	NA	0.0	Brownish silty sand with few pebbles
	2	SM	0.0	Brownish silty sand with few pebbles
Well graded sands, gravelly sands, no fines (SW)	3	SM	0.0	Brownish silty sand with few pebbles
	4	SW	0.0	Tan sand
Poorly graded sands, gravelly sands, no fines (SP)	5	SW	0.0	Tan sand
	6	SW	0.0	Tan sand
Silty sands, sand silt mixtures (SM)	7	OL	0.0	Grayish tan clay
	8	OL	0.0	Grayish tan clay
Inorganic silts, fine sand, silty-clayey fine sands (ML)	9	GP	0.0	Tan coarse gravelly sand with rocks
	10	GP	0.0	Tan coarse gravelly sand with rocks
Inorganic clays, gravelly/ sandy clays, silty clays (CL)				
Organic silts, organic silty clays of low plasticity (OL)				
Organic clays of med. to high plasticity, organic silts (OH)				
Peat and other highly organic soils (PT)				
Bedrock etc. (BD)				
Other (fill, etc)				
Notes:				
Sample Collected at 1-2 and 8-10 feet below surface				

\* =Depth relative to grade

E PHASE 2, LLC.

SOIL BORING LOG

DATE: April 13, 2015

Client:	Stephen Hix	Boring ID.	B-6
Site Name:	Bethpage Walking Park Investigation	Boring Location:	See Site Sketch
Site Location:	1-15 west Gruman Road, bethpage	Surface Elev. (ft):	Relative to Grade
LEA Job#:	15-175	DTW (ft) :	Approx 48 feet bgs

Field Geologist:	Albert Kim	Drill Type:	6712 Geoprobe
Driller:	Charlie Lynch	Sample Type:	Split _____
Weather Cond.:	Sunny		Grab _____
Temp:	60 Degree Fahrenheit		Core <u>X</u>

SOIL TYPE CODES	Ft.	Boring Profile*	PID (ppm)	Description/Remarks
Well graded gravels or gravel/sand mix (GW)	0	NA	0.0	Top Soil
Poorly graded gravels or gravel/sand mix (GP)	1	NA	0.0	Tan silt with pebbles
Well graded sands, gravelly sands, no fines (SW)	2	ML	0.0	Tan silt with pebbles
Poorly graded sands, gravelly sands, no fines (SP)	3	SM	0.0	Tan silty sand with pebbles
Silty sands, sand silt mixtures (SM)	4	SM	0.0	Tan silty sand with pebbles
Inorganic silts, fine sand, silty-clayey fine sands (ML)	5	SM	0.0	Tan silty sand with pebbles
Inorganic clays, gravelly/sandy clays, silty clays (CL)	6	SM	0.0	Tan sand with rocks
Organic silts, organic silty clays of low plasticity (OL)	7	OL	0.0	Grayish tan silty clay
Organic clays of med. to high plasticity, organic silts (OH)	8	OL	0.0	Grayish tan silty clay
Peat and other highly organic soils (PT)	9	SW	0.0	Tan moderatly coarse sand with rocks
Bedrock etc. (BD)	10	SW	0.0	Tan moderatly coarse sand with rocks
Other (fill, etc)				
Notes:				
Sample Collected at 1-2 and 8-10 feet below surface				

\* =Depth relative to grade

## APPENDIX C





American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: [www.American-Analytical.com](http://www.American-Analytical.com)

April 16, 2015

Stephen R. Hix  
Edgewater Environmental, Inc.  
10 Adams Place  
Huntington Station, NY 11746  
TEL: (631) 824-7036  
FAX (631) 759-2919

RE: Bethpage Walking Park, Grumman Road W

Order No.: 1504111

Dear Stephen R. Hix:

American Analytical Laboratories, LLC. received 15 sample(s) on 4/13/2015 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at [lbeyer@american-analytical.com](mailto:lbeyer@american-analytical.com).

Sincerely,

Lori Beyer  
Lab Director  
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Workorder Sample Summary

WO#: 1504111

16-Apr-15

**CLIENT:** Edgewater Environmental, Inc.  
**Project:** Bethpage Walking Park, Grumman Road West,

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1504111-001A	B-1 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-001B	B-1 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-002A	B-1 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-002B	B-1 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-003A	B-2 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-003B	B-2 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-004A	B-2 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-004B	B-2 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-005A	B-3 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-005B	B-3 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-006A	B-3 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-006B	B-3 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-007A	B-4 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-007B	B-4 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-008A	B-4 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-008B	B-4 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-009A	B-5 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-009B	B-5 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-010A	B-5 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-010B	B-5 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-011A	B-6 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-011B	B-6 1-2'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-012A	B-6 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-012B	B-6 8-10'		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-013A	DUP - 1		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-013B	DUP - 1		4/13/2015	4/13/2015 1:30:00 PM	Soil
1504111-014A	Field Blank		4/13/2015	4/13/2015 1:30:00 PM	Liquid
1504111-014B	Field Blank		4/13/2015	4/13/2015 1:30:00 PM	Liquid
1504111-014C	Field Blank		4/13/2015	4/13/2015 1:30:00 PM	Liquid
1504111-014D	Field Blank		4/13/2015	4/13/2015 1:30:00 PM	Liquid
1504111-014E	Field Blank		4/13/2015	4/13/2015 1:30:00 PM	Liquid
1504111-015A	Trip Blank		4/13/2015	4/13/2015 1:30:00 PM	Liquid

1 of 2



# CHAIN OF CUSTODY

56 Toledo Street, Farmingdale NY 11735  
(T) 631-454-6100 (F) 631-454-8027  
www.american-analytical.com

CERTIFICATIONS  
NY ELAP - 11418 PA DEP - 68-00573  
NJ DEP - NY050 CT DOH - PH-0205

Client Information			Project Information			Analytical Information											
Company Name <i>Fredgewater Env</i>			Project Name <i>Bethpage Walking Park</i>														
Address <i>10 Adams Place</i>			Street <i>Greenman Road West</i>														
City <i>Huntington Station NY</i>			City <i>Bethpage NY</i>														
State <i>NY</i>			State <i>NJ</i>														
Zip <i>11734</i>			Zip <i>10704</i>														
Project Contact <i>Stephen Hix</i>			Project # <i>EE0181024</i>														
Phone # <i>631 889 1253</i>			Sampler's Name / Company <i>Stephen Hix / EEI</i>														
E-mail <i>hix.stephen@gmail.com</i>			Sampler's Signature <i>[Signature]</i>														
Sample Information			Sample Collection			Sample Containers											
LAB SAMPLE #	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NON	HI	HAOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaHSO <sub>4</sub>	MeOH	OTHER	Comments / Remarks <i>CATTS REQUIS</i>	
<i>1504111-001 A, B</i>	<i>B-1 1-2'</i>	<i>G</i>	<i>S</i>	<i>4-13-15</i>	<i>-</i>	<i>G</i>	<i>2</i>	<i>3</i>									<i>Vol. Torrance</i>
<i>-002 A, B</i>	<i>B-1 8-10'</i>																<i>Rest 375 except Vol</i>
<i>-003 A, B</i>	<i>B-2 1-2'</i>																
<i>-004 A, B</i>	<i>B-2 8-10'</i>																
<i>-005 A, B</i>	<i>B-3 1-2'</i>																
<i>-006 A, B</i>	<i>B-3 8-10'</i>																
<i>-007 A, B</i>	<i>B-4 1-2'</i>																
<i>-008 A, B</i>	<i>B-4 8-10'</i>																
<i>-009 A, B</i>	<i>B-5 1-2'</i>																
<i>-010 A, B</i>	<i>B-5 8-10'</i>																
<i>-011 A, B</i>	<i>B-6 1-2'</i>																
<i>-012 A, B</i>	<i>B-6 8-10'</i>																

Turnaround Time (Business Days)  
 7-10 Business Days  
 5 Day RUSH  
 4 Day RUSH

Standard  
 3 Day RUSH  
 2 Day RUSH  
 1 Day RUSH

Matrix Codes  
 L = Liquid    PC = Paint Chip  
 S = Soil        SL = Sludge  
 O = Oil         SD = Solid  
 W = Wipe       M = Miscellaneous

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE) *[Signature]* DATE *4-13-15* TIME *1330* PRINTED NAME *S. Hix*

RELINQUISHED BY (SIGNATURE) *[Signature]* DATE *4/13/15* TIME *1330* PRINTED NAME *J. Murray*

RECEIVED BY LAB (SIGNATURE) *[Signature]* DATE *4/13/15* TIME *1330* PRINTED NAME *J. Murray*

RECEIVED BY LAB (SIGNATURE) *[Signature]* DATE *4/13/15* TIME *1330* PRINTED NAME *J. Murray*

Cooler Temp: *1.1°C*







American Analytical Laboratories, LLC.  
 56 Toledo Street  
 Farmingdale, New York 11735  
 TEL: (631) 454-6100 FAX: (631) 454-8027  
 Website: www.American-Analytical.com

# Sample Log-In Check List

Client Name: **EDGEWATER ENVIRON**      Work Order Number: **1504111**      RcptNo: **1**

Logged by:	<b>Lori Beyer</b>	<b>4/13/2015 1:30:00 PM</b>	<i>Lori Beyer</i>
Completed By:	<b>Lori Beyer</b>	<b>4/13/2015 4:45:59 PM</b>	<i>Lori Beyer</i>
Reviewed By:	<b>Karen Kelly</b>	<b>4/14/2015</b>	<i>Karen Kelly</i>

### Chain of Custody

1. Is Chain of Custody complete?      Yes       No       Not Present
2. How was the sample delivered?      Client

### Log In

3. Coolers are present?      Yes       No       NA
4. Shipping container/cooler in good condition?      Yes       No
- Custody seals intact on shipping container/cooler?      Yes       No       Not Present
- No.      Seal Date:      Signed By:
5. Was an attempt made to cool the samples?      Yes       No       NA
6. Were all samples received at a temperature of >0° C to 6.0°C      Yes       No       NA
7. Sample(s) in proper container(s)?      Yes       No
8. Sufficient sample volume for indicated test(s)?      Yes       No
9. Are samples (except VOA and ONG) properly preserved?      Yes       No
10. Was preservative added to bottles?      Yes       No       NA
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm?      Yes       No       No VOA Vials
12. Were any sample containers received broken?      Yes       No
13. Does paperwork match bottle labels?      Yes       No
- (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody?      Yes       No
15. Is it clear what analyses were requested?      Yes       No
16. Were all holding times able to be met?      Yes       No
- (If no, notify customer for authorization.)

### Special Handling (if applicable)

17. Was client notified of all discrepancies with this order?      Yes       No       NA

Person Notified:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

### Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
-----------	---------	-----------	-------------	---------	-----------	-----------



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Case Narrative

WO#: 1504111  
Date: 4/16/2015

---

**CLIENT:** Edgewater Environmental, Inc.  
**Project:** Bethpage Walking Park, Grumman Road West,

---

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked. B-1 (1-2') was selected for MS/MSD analysis.

Soil sample results analyzed for Volatile Organics were collected using terracore samplers via SW846 Method 5035A. Volatile LCS are analyzed with preservatives - HCL/NaHSO<sub>4</sub>/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide/PCB/Herbicide analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO<sub>3</sub> B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Nitrate-Nitrite, Nitrogen in non-potable water and Reactivity to





American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Case Narrative

WO#: 1504111  
Date: 4/16/2015

---

**CLIENT:** Edgewater Environmental, Inc.  
**Project:** Bethpage Walking Park, Grumman Road West,

---

Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.



American Analytical Laboratories, LLC.  
56 Toledo Street  
Farmingdale, New York 11735  
TEL: (631) 454-6100 FAX: (631) 454-8027  
Website: www.American-Analytical.com

## Definition Only

WO#: 1504111  
Date: 4/16/2015

---

### Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports

ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

\* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-001A

**Client Sample ID:** B-1 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,1-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,1-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,2,4-Trimethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,2-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,2-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,3-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,4-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
1,4-Dioxane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
2-Butanone	ND	5.5	11	U*	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Acetone	2.2	1.4	11	J*	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Benzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Carbon tetrachloride	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Chlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Chloroform	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Ethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Methyl tert-butyl ether	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Methylene chloride	5.0	1.1	5.5	J*	µg/Kg-dry	1	4/14/2015 12:30:00 PM
n-Butylbenzene	ND	1.1	5.5	U*	µg/Kg-dry	1	4/14/2015 12:30:00 PM
n-Propylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
o-Xylene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
sec-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
tert-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Tetrachloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Toluene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Trichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Vinyl chloride	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:30:00 PM
Surr: 4-Bromofluorobenzene	86.0	0	50-139		%REC	1	4/14/2015 12:30:00 PM
Surr: Dibromofluoromethane	121	0	50-138		%REC	1	4/14/2015 12:30:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-001A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							Analyst: <b>KSS</b>
Surr: Toluene-d8	107	0	71-120	%REC		1	4/14/2015 12:30:00 PM

---



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0228	0.007	0.0112		mg/Kg-dry	1	4/14/2015 11:36:55 AM
<b>HERBICIDES SW-846 8151</b>							
2,4,5-TP	ND	1.13	3.4	U	µg/Kg-dry	1	4/16/2015 12:07:00 PM
Surr: 2,4-DCAA	96.8	0	16-152	P	%REC	1	4/16/2015 12:07:00 PM
Surr: 2,4-DCAA	211	0	16-152	PS	%REC	1	4/16/2015 12:07:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
Aroclor 1016	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1221	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1232	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1242	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1248	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1254	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1260	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1262	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Aroclor 1268	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 12:10:00 AM
Surr: DCB	31.1	0	12-151		%REC	1	4/16/2015 12:10:00 AM
Surr: DCB	26.1	0	12-151		%REC	1	4/16/2015 12:10:00 AM
Surr: TCX	85.7	0	18-147		%REC	1	4/16/2015 12:10:00 AM
Surr: TCX	88.6	0	18-147		%REC	1	4/16/2015 12:10:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
4,4'-DDD	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
4,4'-DDE	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
4,4'-DDT	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Aldrin	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
alpha-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
alpha-Chlordane	ND	6.79	11	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
beta-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
delta-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Dieldrin	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Endosulfan I	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Endosulfan II	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-001B

**Client Sample ID:** B-1 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Endrin	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
gamma-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Heptachlor	ND	2.26	3.4	U	µg/Kg-dry	1	4/15/2015 2:23:00 PM
Surr: TCX	77.0	0	19-145		%REC	1	4/15/2015 2:23:00 PM
Surr: TCX	89.0	0	19-145		%REC	1	4/15/2015 2:23:00 PM
Surr: DCB	103	0	16-148	P	%REC	1	4/15/2015 2:23:00 PM
Surr: DCB	149	0	16-148	PS	%REC	1	4/15/2015 2:23:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	12.1	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	3.53	0.22	0.551		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Barium	19.7	0.22	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Beryllium	ND	0.11	0.441	U	mg/Kg-dry	1	4/14/2015 12:45:31 PM
Cadmium	ND	0.11	0.441	U	mg/Kg-dry	1	4/14/2015 12:45:31 PM
Chromium	10.8	0.11	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Copper	3.50	0.11	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Lead	7.43	0.22	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Manganese	85.6	0.11	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Nickel	5.84	0.11	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
Selenium	0.342	0.22	0.551	J	mg/Kg-dry	1	4/14/2015 12:45:31 PM
Silver	ND	0.11	0.441	U	mg/Kg-dry	1	4/14/2015 12:45:31 PM
Zinc	16.3	0.11	0.441		mg/Kg-dry	1	4/14/2015 12:45:31 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
3+4-Methylphenol	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Acenaphthene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Acenaphthylene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Anthracene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Benzo(a)anthracene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Benzo(a)pyrene	ND	28.2	170	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-001B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Benzo(g,h,i)perylene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Benzo(k)fluoranthene	ND	28.2	280	Um	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Chrysene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Dibenzo(a,h)anthracene	ND	28.2	170	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Dibenzofuran	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Fluoranthene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Fluorene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Hexachlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Indeno(1,2,3-c,d)pyrene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Naphthalene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Pentachlorophenol	ND	56.4	560	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Phenanthrene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Phenol	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Pyrene	ND	28.2	280	U	µg/Kg-dry	1	4/15/2015 12:09:00 PM
Surr: 2,4,6-Tribromophenol	81.2	0	14-144		%REC	1	4/15/2015 12:09:00 PM
Surr: 2-Fluorobiphenyl	88.6	0	17-129		%REC	1	4/15/2015 12:09:00 PM
Surr: 2-Fluorophenol	79.4	0	21-149		%REC	1	4/15/2015 12:09:00 PM
Surr: 4-Terphenyl-d14	82.2	0	18-134		%REC	1	4/15/2015 12:09:00 PM
Surr: Nitrobenzene-d5	78.6	0	18-125		%REC	1	4/15/2015 12:09:00 PM
Surr: Phenol-d6	78.0	0	20-147		%REC	1	4/15/2015 12:09:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	0.171	0.06	0.114		mg/Kg-dry	1	4/14/2015 1:15:57 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	10.8	0.11	0.441		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.23	0.564	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

<b>CLIENT:</b> Edgewater Environmental, Inc.	<b>Client Sample ID:</b> B-1 8-10'
<b>Lab Order:</b> 1504111	<b>Collection Date:</b> 4/13/2015
<b>Project:</b> Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1504111-002A	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,1-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,1-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,2,4-Trimethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,2-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,2-Dichloroethane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,3,5-Trimethylbenzene	ND	1.1	5.5	Um	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,3-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,4-Dichlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
1,4-Dioxane	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
2-Butanone	ND	5.5	11	U*	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Acetone	2.2	1.4	11	J*	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Benzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Carbon tetrachloride	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Chlorobenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Chloroform	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
cis-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Ethylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Methyl tert-butyl ether	ND	1.1	5.5	U*	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Methylene chloride	5.0	1.1	5.5	BJ*	µg/Kg-dry	1	4/14/2015 12:46:00 AM
n-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
n-Propylbenzene	ND	1.1	5.5	Um	µg/Kg-dry	1	4/14/2015 12:46:00 AM
o-Xylene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
sec-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
tert-Butylbenzene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Tetrachloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Toluene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
trans-1,2-Dichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Trichloroethene	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Vinyl chloride	ND	1.1	5.5	U	µg/Kg-dry	1	4/14/2015 12:46:00 AM
Surr: 4-Bromofluorobenzene	91.2	0	50-139		%REC	1	4/14/2015 12:46:00 AM
Surr: Dibromofluoromethane	122	0	50-138		%REC	1	4/14/2015 12:46:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-002A		

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	106	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 12:46:00 AM



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.008	0.0116	U	mg/Kg-dry	1	4/14/2015 11:47:37 AM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.02	3.1	U	µg/Kg-dry	1	4/16/2015 12:39:00 PM
Surr: 2,4-DCAA	86.0	0	16-152	P	%REC	1	4/16/2015 12:39:00 PM
Surr: 2,4-DCAA	153	0	16-152	PS	%REC	1	4/16/2015 12:39:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1221	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1232	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1242	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1248	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1254	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1260	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1262	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Aroclor 1268	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 1:20:00 AM
Surr: DCB	58.9	0	12-151		%REC	1	4/16/2015 1:20:00 AM
Surr: DCB	53.8	0	12-151		%REC	1	4/16/2015 1:20:00 AM
Surr: TCX	77.5	0	18-147		%REC	1	4/16/2015 1:20:00 AM
Surr: TCX	84.1	0	18-147		%REC	1	4/16/2015 1:20:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
4,4'-DDE	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
4,4'-DDT	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Aldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
alpha-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
alpha-Chlordane	ND	6.17	10	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
beta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
delta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Dieldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Endosulfan I	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Endosulfan II	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Endrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
gamma-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Heptachlor	ND	2.06	3.1	U	µg/Kg-dry	1	4/15/2015 3:06:00 PM
Surr: TCX	71.4	0	19-145		%REC	1	4/15/2015 3:06:00 PM
Surr: TCX	95.5	0	19-145		%REC	1	4/15/2015 3:06:00 PM
Surr: DCB	115	0	16-148		%REC	1	4/15/2015 3:06:00 PM
Surr: DCB	89.0	0	16-148		%REC	1	4/15/2015 3:06:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	3.37	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	0.725	0.19	0.476		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Barium	4.08	0.19	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Beryllium	ND	0.1	0.380	U	mg/Kg-dry	1	4/14/2015 1:07:59 PM
Cadmium	ND	0.1	0.380	U	mg/Kg-dry	1	4/14/2015 1:07:59 PM
Chromium	2.12	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Copper	1.50	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Lead	1.20	0.19	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Manganese	26.1	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Nickel	1.31	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
Selenium	ND	0.19	0.476	U	mg/Kg-dry	1	4/14/2015 1:07:59 PM
Silver	ND	0.1	0.380	U	mg/Kg-dry	1	4/14/2015 1:07:59 PM
Zinc	4.29	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:07:59 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
3+4-Methylphenol	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Acenaphthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Acenaphthylene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Anthracene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Benzo(a)anthracene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Benzo(a)pyrene	ND	25.7	150	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-1 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-002B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Benzo(g,h,i)perylene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Benzo(k)fluoranthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Chrysene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Dibenzo(a,h)anthracene	ND	25.7	150	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Dibenzofuran	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Fluoranthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Fluorene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Hexachlorobenzene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Naphthalene	ND	25.7	260	Um	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Pentachlorophenol	ND	51.4	510	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Phenanthrene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Phenol	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Pyrene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 1:44:00 PM
Surr: 2,4,6-Tribromophenol	80.0	0	14-144		%REC	1	4/15/2015 1:44:00 PM
Surr: 2-Fluorobiphenyl	88.4	0	17-129		%REC	1	4/15/2015 1:44:00 PM
Surr: 2-Fluorophenol	74.6	0	21-149		%REC	1	4/15/2015 1:44:00 PM
Surr: 4-Terphenyl-d14	83.3	0	18-134		%REC	1	4/15/2015 1:44:00 PM
Surr: Nitrobenzene-d5	79.3	0	18-125		%REC	1	4/15/2015 1:44:00 PM
Surr: Phenol-d6	76.9	0	20-147		%REC	1	4/15/2015 1:44:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.103	U	mg/Kg-dry	1	4/14/2015 1:16:55 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	2.12	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.20	0.501	U	mg/Kg-dry	1	4/15/2015





ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-003A

**Client Sample ID:** B-2 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,1-Dichloroethane	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,1-Dichloroethene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,2,4-Trimethylbenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,2-Dichlorobenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,2-Dichloroethane	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,3,5-Trimethylbenzene	ND	1	5.2	Um	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,3-Dichlorobenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,4-Dichlorobenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
1,4-Dioxane	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
2-Butanone	ND	5.2	10	U*	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Acetone	5.6	1.3	10	J*	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Benzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Carbon tetrachloride	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Chlorobenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Chloroform	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
cis-1,2-Dichloroethene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Ethylbenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
m,p-Xylene	ND	2.1	10	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Methyl tert-butyl ether	ND	1	5.2	U*	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Methylene chloride	5.1	1	5.2	BJ*	µg/Kg-dry	1	4/14/2015 1:14:00 AM
n-Butylbenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
n-Propylbenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
o-Xylene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
sec-Butylbenzene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
tert-Butylbenzene	ND	1	5.2	Um	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Tetrachloroethene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Toluene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
trans-1,2-Dichloroethene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Trichloroethene	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Vinyl chloride	ND	1	5.2	U	µg/Kg-dry	1	4/14/2015 1:14:00 AM
Surr: 4-Bromofluorobenzene	85.1	0	50-139		%REC	1	4/14/2015 1:14:00 AM
Surr: Dibromofluoromethane	127	0	50-138		%REC	1	4/14/2015 1:14:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-2 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-003A		

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	105	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 1:14:00 AM

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-2 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	0.0107	0.009	0.0129	J	mg/Kg-dry	1	4/14/2015 11:49:46 AM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	9.16	27	U	µg/Kg-dry	1	4/16/2015 12:54:00 PM
Surr: 2,4-DCAA	123	0	16-152	P	%REC	1	4/16/2015 12:54:00 PM
Surr: 2,4-DCAA	262	0	16-152	PS	%REC	1	4/16/2015 12:54:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1221	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1232	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1242	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1248	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1254	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1260	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1262	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Aroclor 1268	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 1:44:00 AM
Surr: DCB	56.3	0	12-151		%REC	1	4/16/2015 1:44:00 AM
Surr: DCB	52.3	0	12-151		%REC	1	4/16/2015 1:44:00 AM
Surr: TCX	89.2	0	18-147		%REC	1	4/16/2015 1:44:00 AM
Surr: TCX	94.7	0	18-147		%REC	1	4/16/2015 1:44:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
4,4'-DDE	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
4,4'-DDT	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Aldrin	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
alpha-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
alpha-Chlordane	ND	6.45	11	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
beta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
delta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Dieldrin	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Endosulfan I	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Endosulfan II	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-003B

**Client Sample ID:** B-2 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Endrin	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
gamma-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Heptachlor	ND	2.15	3.2	U	µg/Kg-dry	1	4/15/2015 3:21:00 PM
Surr: TCX	80.7	0	19-145		%REC	1	4/15/2015 3:21:00 PM
Surr: TCX	103	0	19-145		%REC	1	4/15/2015 3:21:00 PM
Surr: DCB	127	0	16-148		%REC	1	4/15/2015 3:21:00 PM
Surr: DCB	103	0	16-148		%REC	1	4/15/2015 3:21:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	6.96	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	1.80	0.21	0.527		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Barium	9.92	0.21	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Beryllium	ND	0.11	0.421	U	mg/Kg-dry	1	4/14/2015 1:10:01 PM
Cadmium	ND	0.11	0.421	U	mg/Kg-dry	1	4/14/2015 1:10:01 PM
Chromium	5.35	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Copper	1.99	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Lead	3.92	0.21	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Manganese	128	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Nickel	3.42	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
Selenium	ND	0.21	0.527	U	mg/Kg-dry	1	4/14/2015 1:10:01 PM
Silver	ND	0.11	0.421	U	mg/Kg-dry	1	4/14/2015 1:10:01 PM
Zinc	9.56	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:10:01 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
3+4-Methylphenol	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Acenaphthene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Acenaphthylene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Anthracene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Benzo(a)anthracene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Benzo(a)pyrene	ND	26.6	160	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-2 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-003B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Benzo(g,h,i)perylene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Benzo(k)fluoranthene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Chrysene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Dibenzo(a,h)anthracene	ND	26.6	160	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Dibenzofuran	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Fluoranthene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Fluorene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Hexachlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Naphthalene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Pentachlorophenol	ND	53.2	530	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Phenanthrene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Phenol	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Pyrene	ND	26.6	270	U	µg/Kg-dry	1	4/15/2015 2:16:00 PM
Surr: 2,4,6-Tribromophenol	87.8	0	14-144		%REC	1	4/15/2015 2:16:00 PM
Surr: 2-Fluorobiphenyl	90.5	0	17-129		%REC	1	4/15/2015 2:16:00 PM
Surr: 2-Fluorophenol	80.7	0	21-149		%REC	1	4/15/2015 2:16:00 PM
Surr: 4-Terphenyl-d14	84.2	0	18-134		%REC	1	4/15/2015 2:16:00 PM
Surr: Nitrobenzene-d5	81.1	0	18-125		%REC	1	4/15/2015 2:16:00 PM
Surr: Phenol-d6	80.1	0	20-147		%REC	1	4/15/2015 2:16:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.107	U	mg/Kg-dry	1	4/14/2015 1:18:00 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	5.35	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.21	0.537	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-004A

**Client Sample ID:** B-2 8-10'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,1-Dichloroethane	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,1-Dichloroethene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,2,4-Trimethylbenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,2-Dichlorobenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,2-Dichloroethane	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,3,5-Trimethylbenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,3-Dichlorobenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,4-Dichlorobenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
1,4-Dioxane	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
2-Butanone	ND	4.7	9.3	U*	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Acetone	2.1	1.2	9.3	J*	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Benzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Carbon tetrachloride	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Chlorobenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Chloroform	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
cis-1,2-Dichloroethene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Ethylbenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
m,p-Xylene	ND	1.9	9.3	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Methyl tert-butyl ether	ND	0.93	4.7	U*	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Methylene chloride	4.4	0.93	4.7	BJ*	µg/Kg-dry	1	4/14/2015 1:42:00 AM
n-Butylbenzene	ND	0.93	4.7	Um	µg/Kg-dry	1	4/14/2015 1:42:00 AM
n-Propylbenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
o-Xylene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
sec-Butylbenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
tert-Butylbenzene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Tetrachloroethene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Toluene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
trans-1,2-Dichloroethene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Trichloroethene	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Vinyl chloride	ND	0.93	4.7	U	µg/Kg-dry	1	4/14/2015 1:42:00 AM
Surr: 4-Bromofluorobenzene	91.1	0	50-139		%REC	1	4/14/2015 1:42:00 AM
Surr: Dibromofluoromethane	123	0	50-138		%REC	1	4/14/2015 1:42:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-2 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-004A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	106	0	71-120		%REC	1	Analyst: <b>KSS</b> 4/14/2015 1:42:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

CLIENT: Edgewater Environmental, Inc. Client Sample ID: B-2 8-10'  
 Lab Order: 1504111 Collection Date: 4/13/2015  
 Project: Bethpage Walking Park, Grumman Road West, Matrix: SOIL  
 Lab ID: 1504111-004B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.008	0.0116	U	mg/Kg-dry	1	4/14/2015 11:54:05 AM
Mercury	ND	0.008	0.0116	U	mg/Kg-dry	1	4/14/2015 11:51:55 AM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.02	3.1	U	µg/Kg-dry	1	4/16/2015 1:02:00 PM
Surr: 2,4-DCAA	81.7	0	16-152	P	%REC	1	4/16/2015 1:02:00 PM
Surr: 2,4-DCAA	170	0	16-152	PS	%REC	1	4/16/2015 1:02:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1221	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1232	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1242	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1248	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1254	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1260	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1262	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Aroclor 1268	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:07:00 AM
Surr: DCB	29.3	0	12-151		%REC	1	4/16/2015 2:07:00 AM
Surr: DCB	25.2	0	12-151		%REC	1	4/16/2015 2:07:00 AM
Surr: TCX	94.0	0	18-147		%REC	1	4/16/2015 2:07:00 AM
Surr: TCX	92.1	0	18-147		%REC	1	4/16/2015 2:07:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
4,4'-DDE	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
4,4'-DDT	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Aldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
alpha-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
alpha-Chlordane	ND	6.16	10	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
beta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
delta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Dieldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Endosulfan I	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-2 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
							<b>Analyst: SB</b>
Endosulfan II	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Endosulfan sulfate	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Endrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
gamma-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Heptachlor	ND	2.05	3.1	U	µg/Kg-dry	1	4/15/2015 3:36:00 PM
Surr: TCX	80.8	0	19-145		%REC	1	4/15/2015 3:36:00 PM
Surr: TCX	93.9	0	19-145		%REC	1	4/15/2015 3:36:00 PM
Surr: DCB	128	0	16-148		%REC	1	4/15/2015 3:36:00 PM
Surr: DCB	105	0	16-148		%REC	1	4/15/2015 3:36:00 PM
<b>PERCENT MOISTURE</b>							
							<b>Analyst: KK</b>
Percent Moisture	2.56	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
							<b>Analyst: JP</b>
Arsenic	1.41	0.2	0.499		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Barium	4.87	0.2	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Beryllium	ND	0.1	0.399	U	mg/Kg-dry	1	4/14/2015 1:12:02 PM
Cadmium	ND	0.1	0.399	U	mg/Kg-dry	1	4/14/2015 1:12:02 PM
Chromium	2.43	0.1	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Copper	1.63	0.1	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Lead	1.25	0.2	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Manganese	45.7	0.1	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Nickel	1.09	0.1	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
Selenium	ND	0.2	0.499	U	mg/Kg-dry	1	4/14/2015 1:12:02 PM
Silver	ND	0.1	0.399	U	mg/Kg-dry	1	4/14/2015 1:12:02 PM
Zinc	4.48	0.1	0.399		mg/Kg-dry	1	4/14/2015 1:12:02 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							<b>Analyst: MH</b>
2-Methylphenol	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
3+4-Methylphenol	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Acenaphthene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Acenaphthylene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Anthracene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Benzo(a)anthracene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-2 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-004B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(a)pyrene	ND	25.5	150	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Benzo(b)fluoranthene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Benzo(g,h,i)perylene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Benzo(k)fluoranthene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Chrysene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Dibenzo(a,h)anthracene	ND	25.5	150	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Dibenzofuran	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Fluoranthene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Fluorene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Hexachlorobenzene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Naphthalene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Pentachlorophenol	ND	51.1	510	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Phenanthrene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Phenol	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Pyrene	ND	25.5	260	U	µg/Kg-dry	1	4/15/2015 2:48:00 PM
Surr: 2,4,6-Tribromophenol	80.3	0	14-144		%REC	1	4/15/2015 2:48:00 PM
Surr: 2-Fluorobiphenyl	86.5	0	17-129		%REC	1	4/15/2015 2:48:00 PM
Surr: 2-Fluorophenol	74.1	0	21-149		%REC	1	4/15/2015 2:48:00 PM
Surr: 4-Terphenyl-d14	81.9	0	18-134		%REC	1	4/15/2015 2:48:00 PM
Surr: Nitrobenzene-d5	76.2	0	18-125		%REC	1	4/15/2015 2:48:00 PM
Surr: Phenol-d6	75.0	0	20-147		%REC	1	4/15/2015 2:48:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.103	U	mg/Kg-dry	1	4/14/2015 1:19:10 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	2.43	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.2	0.493	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-005A

**Client Sample ID:** B-3 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,1-Dichloroethane	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,1-Dichloroethene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,2,4-Trimethylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,2-Dichlorobenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,2-Dichloroethane	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,3,5-Trimethylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,3-Dichlorobenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,4-Dichlorobenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
1,4-Dioxane	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
2-Butanone	ND	4.4	8.9	U*	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Acetone	2.6	1.1	8.9	J*	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Benzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Carbon tetrachloride	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Chlorobenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Chloroform	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
cis-1,2-Dichloroethene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Ethylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
m,p-Xylene	ND	1.8	8.9	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Methyl tert-butyl ether	ND	0.89	4.4	U*	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Methylene chloride	4.3	0.89	4.4	BJ*	µg/Kg-dry	1	4/14/2015 2:10:00 AM
n-Butylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
n-Propylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
o-Xylene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
sec-Butylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
tert-Butylbenzene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Tetrachloroethene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Toluene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
trans-1,2-Dichloroethene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Trichloroethene	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Vinyl chloride	ND	0.89	4.4	U	µg/Kg-dry	1	4/14/2015 2:10:00 AM
Surr: 4-Bromofluorobenzene	88.8	0	50-139		%REC	1	4/14/2015 2:10:00 AM
Surr: Dibromofluoromethane	127	0	50-138		%REC	1	4/14/2015 2:10:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-3 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-005A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	108	0	71-120		%REC	1	Analyst: <b>KSS</b> 4/14/2015 2:10:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-3 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0137	0.009	0.0132		mg/Kg-dry	1	4/14/2015 11:56:14 AM
							Analyst: <b>JP</b>
<b>HERBICIDES SW-846 8151</b>							
2,4,5-TP	ND	1.11	3.3	U	µg/Kg-dry	1	4/16/2015 1:14:00 PM
Surr: 2,4-DCAA	98.9	0	16-152	P	%REC	1	4/16/2015 1:14:00 PM
Surr: 2,4-DCAA	33.0	0	16-152	P	%REC	1	4/16/2015 1:14:00 PM
							Analyst: <b>SB</b>
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
Aroclor 1016	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1221	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1232	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1242	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1248	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1254	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1260	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1262	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Aroclor 1268	ND	11.3	23	U	µg/Kg-dry	1	4/16/2015 2:31:00 AM
Surr: DCB	57.9	0	12-151		%REC	1	4/16/2015 2:31:00 AM
Surr: DCB	51.5	0	12-151		%REC	1	4/16/2015 2:31:00 AM
Surr: TCX	82.6	0	18-147		%REC	1	4/16/2015 2:31:00 AM
Surr: TCX	88.2	0	18-147		%REC	1	4/16/2015 2:31:00 AM
							Analyst: <b>SB</b>
<b>PESTICIDES SW-846 METHOD 8081</b>							
4,4'-DDD	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
4,4'-DDE	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
4,4'-DDT	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Aldrin	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
alpha-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
alpha-Chlordane	ND	6.75	11	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
beta-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
delta-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Dieldrin	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Endosulfan I	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Endosulfan II	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-3 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-005B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Endrin	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
gamma-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Heptachlor	ND	2.25	3.4	U	µg/Kg-dry	1	4/15/2015 3:50:00 PM
Surr: TCX	59.0	0	19-145		%REC	1	4/15/2015 3:50:00 PM
Surr: TCX	70.7	0	19-145		%REC	1	4/15/2015 3:50:00 PM
Surr: DCB	93.3	0	16-148		%REC	1	4/15/2015 3:50:00 PM
Surr: DCB	76.9	0	16-148		%REC	1	4/15/2015 3:50:00 PM
<b>PERCENT MOISTURE</b>							
							Analyst: <b>KK</b>
Percent Moisture	11.5	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
							Analyst: <b>JP</b>
Arsenic	2.72	0.21	0.520		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Barium	21.9	0.21	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Beryllium	ND	0.10	0.416	U	mg/Kg-dry	1	4/14/2015 1:14:04 PM
Cadmium	ND	0.10	0.416	U	mg/Kg-dry	1	4/14/2015 1:14:04 PM
Chromium	11.4	0.10	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Copper	5.51	0.10	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Lead	4.96	0.21	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Manganese	109	0.10	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Nickel	6.35	0.10	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
Selenium	ND	0.21	0.520	U	mg/Kg-dry	1	4/14/2015 1:14:04 PM
Silver	ND	0.10	0.416	U	mg/Kg-dry	1	4/14/2015 1:14:04 PM
Zinc	18.1	0.10	0.416		mg/Kg-dry	1	4/14/2015 1:14:04 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: <b>MH</b>
2-Methylphenol	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
3+4-Methylphenol	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Acenaphthene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Acenaphthylene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Anthracene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Benzo(a)anthracene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Benzo(a)pyrene	ND	28.1	170	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-005B

**Client Sample ID:** B-3 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Benzo(g,h,i)perylene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Benzo(k)fluoranthene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Chrysene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Dibenzo(a,h)anthracene	ND	28.1	170	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Dibenzofuran	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Fluoranthene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Fluorene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Hexachlorobenzene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Indeno(1,2,3-c,d)pyrene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Naphthalene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Pentachlorophenol	ND	56.2	560	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Phenanthrene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Phenol	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Pyrene	ND	28.1	280	U	µg/Kg-dry	1	4/15/2015 3:20:00 PM
Surr: 2,4,6-Tribromophenol	85.0	0	14-144		%REC	1	4/15/2015 3:20:00 PM
Surr: 2-Fluorobiphenyl	88.5	0	17-129		%REC	1	4/15/2015 3:20:00 PM
Surr: 2-Fluorophenol	76.7	0	21-149		%REC	1	4/15/2015 3:20:00 PM
Surr: 4-Terphenyl-d14	83.6	0	18-134		%REC	1	4/15/2015 3:20:00 PM
Surr: Nitrobenzene-d5	75.1	0	18-125		%REC	1	4/15/2015 3:20:00 PM
Surr: Phenol-d6	75.8	0	20-147		%REC	1	4/15/2015 3:20:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.06	0.113	U	mg/Kg-dry	1	4/14/2015 1:20:07 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	11.4	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.23	0.565	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

CLIENT: Edgewater Environmental, Inc. Client Sample ID: B-3 8-10'  
 Lab Order: 1504111 Collection Date: 4/13/2015  
 Project: Bethpage Walking Park, Grumman Road West, Matrix: SOIL  
 Lab ID: 1504111-006A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,1-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,1-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,2,4-Trimethylbenzene	ND	1	5.1	Um	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,2-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,2-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,3,5-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,3-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,4-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
1,4-Dioxane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
2-Butanone	ND	5.1	10	U*	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Acetone	2.2	1.3	10	J*	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Benzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Carbon tetrachloride	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Chlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Chloroform	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
cis-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Ethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
m,p-Xylene	ND	2	10	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Methyl tert-butyl ether	ND	1	5.1	U*	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Methylene chloride	4.8	1	5.1	BJ*	µg/Kg-dry	1	4/14/2015 2:37:00 AM
n-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
n-Propylbenzene	ND	1	5.1	Um	µg/Kg-dry	1	4/14/2015 2:37:00 AM
o-Xylene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
sec-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
tert-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Tetrachloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Toluene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
trans-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Trichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Vinyl chloride	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 2:37:00 AM
Surr: 4-Bromofluorobenzene	91.2	0	50-139		%REC	1	4/14/2015 2:37:00 AM
Surr: Dibromofluoromethane	127	0	50-138		%REC	1	4/14/2015 2:37:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-3 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-006A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	106	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 2:37:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-3 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.008	0.0113	U	mg/Kg-dry	1	4/14/2015 11:58:30 AM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.02	3.1	U	µg/Kg-dry	1	4/16/2015 1:23:00 PM
Surr: 2,4-DCAA	100	0	16-152	P	%REC	1	4/16/2015 1:23:00 PM
Surr: 2,4-DCAA	55.6	0	16-152	P	%REC	1	4/16/2015 1:23:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1221	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1232	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1242	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1248	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1254	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1260	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1262	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Aroclor 1268	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 2:55:00 AM
Surr: DCB	84.1	0	12-151		%REC	1	4/16/2015 2:55:00 AM
Surr: DCB	76.5	0	12-151		%REC	1	4/16/2015 2:55:00 AM
Surr: TCX	89.8	0	18-147		%REC	1	4/16/2015 2:55:00 AM
Surr: TCX	93.4	0	18-147		%REC	1	4/16/2015 2:55:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
4,4'-DDE	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
4,4'-DDT	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Aldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
alpha-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
alpha-Chlordane	ND	6.17	10	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
beta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
delta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Dieldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Endosulfan I	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Endosulfan II	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





ELAP ID : 11418

CLIENT: Edgewater Environmental, Inc. Client Sample ID: B-3 8-10'  
 Lab Order: 1504111 Collection Date: 4/13/2015  
 Project: Bethpage Walking Park, Grumman Road West, Matrix: SOIL  
 Lab ID: 1504111-006B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							Analyst: <b>SB</b>
	<b>SW8081B</b>						
	<b>SW3546</b>						
Endosulfan sulfate	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Endrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
gamma-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Heptachlor	ND	2.06	3.1	U	µg/Kg-dry	1	4/15/2015 4:05:00 PM
Surr: TCX	80.3	0	19-145		%REC	1	4/15/2015 4:05:00 PM
Surr: TCX	94.7	0	19-145		%REC	1	4/15/2015 4:05:00 PM
Surr: DCB	130	0	16-148		%REC	1	4/15/2015 4:05:00 PM
Surr: DCB	105	0	16-148		%REC	1	4/15/2015 4:05:00 PM
<b>PERCENT MOISTURE</b>							Analyst: <b>KK</b>
	<b>D2216</b>						
Percent Moisture	3.30	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							Analyst: <b>JP</b>
	<b>SW6010C</b>						
	<b>SW3050B</b>						
Arsenic	0.668	0.19	0.482		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Barium	4.74	0.19	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Beryllium	ND	0.1	0.386	U	mg/Kg-dry	1	4/14/2015 1:16:05 PM
Cadmium	ND	0.1	0.386	U	mg/Kg-dry	1	4/14/2015 1:16:05 PM
Chromium	2.65	0.1	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Copper	1.48	0.1	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Lead	1.18	0.19	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Manganese	41.6	0.1	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Nickel	1.54	0.1	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
Selenium	ND	0.19	0.482	U	mg/Kg-dry	1	4/14/2015 1:16:05 PM
Silver	ND	0.1	0.386	U	mg/Kg-dry	1	4/14/2015 1:16:05 PM
Zinc	5.17	0.1	0.386		mg/Kg-dry	1	4/14/2015 1:16:05 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							Analyst: <b>MH</b>
	<b>SW8270D</b>						
	<b>SW3546</b>						
2-Methylphenol	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
3+4-Methylphenol	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Acenaphthene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Acenaphthylene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Anthracene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Benzo(a)anthracene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Benzo(a)pyrene	ND	25.6	150	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-3 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-006B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Benzo(g,h,i)perylene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Benzo(k)fluoranthene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Chrysene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Dibenzo(a,h)anthracene	ND	25.6	150	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Dibenzofuran	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Fluoranthene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Fluorene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Hexachlorobenzene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Naphthalene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Pentachlorophenol	ND	51.3	510	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Phenanthrene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Phenol	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Pyrene	ND	25.6	260	U	µg/Kg-dry	1	4/15/2015 3:52:00 PM
Surr: 2,4,6-Tribromophenol	87.5	0	14-144		%REC	1	4/15/2015 3:52:00 PM
Surr: 2-Fluorobiphenyl	96.2	0	17-129		%REC	1	4/15/2015 3:52:00 PM
Surr: 2-Fluorophenol	83.9	0	21-149		%REC	1	4/15/2015 3:52:00 PM
Surr: 4-Terphenyl-d14	90.9	0	18-134		%REC	1	4/15/2015 3:52:00 PM
Surr: Nitrobenzene-d5	86.7	0	18-125		%REC	1	4/15/2015 3:52:00 PM
Surr: Phenol-d6	82.6	0	20-147		%REC	1	4/15/2015 3:52:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.103	U	mg/Kg-dry	1	4/14/2015 1:21:05 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	2.65	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.20	0.511	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

CLIENT: Edgewater Environmental, Inc.  
 Lab Order: 1504111  
 Project: Bethpage Walking Park, Grumman Road West,  
 Lab ID: 1504111-007A

Client Sample ID: B-4 1-2'  
 Collection Date: 4/13/2015  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,1-Dichloroethane	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,1-Dichloroethene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,2,4-Trimethylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,2-Dichlorobenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,2-Dichloroethane	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,3,5-Trimethylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,3-Dichlorobenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,4-Dichlorobenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
1,4-Dioxane	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
2-Butanone	ND	5	10	U*	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Acetone	2.8	1.2	10	J*	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Benzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Carbon tetrachloride	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Chlorobenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Chloroform	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
cis-1,2-Dichloroethene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Ethylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
m,p-Xylene	ND	2	10	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Methyl tert-butyl ether	ND	1	5.0	U*	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Methylene chloride	4.9	1	5.0	BJ*	µg/Kg-dry	1	4/14/2015 3:05:00 AM
n-Butylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
n-Propylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
o-Xylene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
sec-Butylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
tert-Butylbenzene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Tetrachloroethene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Toluene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
trans-1,2-Dichloroethene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Trichloroethene	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Vinyl chloride	ND	1	5.0	U	µg/Kg-dry	1	4/14/2015 3:05:00 AM
Surr: 4-Bromofluorobenzene	90.6	0	50-139		%REC	1	4/14/2015 3:05:00 AM
Surr: Dibromofluoromethane	125	0	50-138		%REC	1	4/14/2015 3:05:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-4 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-007A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	108	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 3:05:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



# American Analytical Laboratories, LLC.

Date: 16-Apr-15

ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-4 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-007B		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	0.00830	0.008	0.0117	J	mg/Kg-dry	1	4/14/2015 12:00:39 PM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.08	3.2	U	µg/Kg-dry	1	4/16/2015 1:33:00 PM
Surr: 2,4-DCAA	86.5	0	16-152	P	%REC	1	4/16/2015 1:33:00 PM
Surr: 2,4-DCAA	133	0	16-152	P	%REC	1	4/16/2015 1:33:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1221	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1232	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1242	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1248	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1254	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1260	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1262	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Aroclor 1268	ND	10.9	22	U	µg/Kg-dry	1	4/16/2015 6:29:00 AM
Surr: DCB	75.4	0	12-151		%REC	1	4/16/2015 6:29:00 AM
Surr: DCB	66.6	0	12-151		%REC	1	4/16/2015 6:29:00 AM
Surr: TCX	90.8	0	18-147		%REC	1	4/16/2015 6:29:00 AM
Surr: TCX	95.9	0	18-147		%REC	1	4/16/2015 6:29:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
4,4'-DDE	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
4,4'-DDT	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Aldrin	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
alpha-BHC	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
alpha-Chlordane	ND	6.51	11	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
beta-BHC	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
delta-BHC	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Dieldrin	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Endosulfan I	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Endosulfan II	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-007B

**Client Sample ID:** B-4 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Endrin	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
gamma-BHC	ND	1.09	2.7	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Heptachlor	ND	2.17	3.3	U	µg/Kg-dry	1	4/15/2015 4:19:00 PM
Surr: TCX	81.7	0	19-145		%REC	1	4/15/2015 4:19:00 PM
Surr: TCX	97.0	0	19-145		%REC	1	4/15/2015 4:19:00 PM
Surr: DCB	138	0	16-148		%REC	1	4/15/2015 4:19:00 PM
Surr: DCB	106	0	16-148		%REC	1	4/15/2015 4:19:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	8.58	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	2.35	0.21	0.526		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Barium	7.20	0.21	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Beryllium	ND	0.11	0.421	U	mg/Kg-dry	1	4/14/2015 1:18:08 PM
Cadmium	ND	0.11	0.421	U	mg/Kg-dry	1	4/14/2015 1:18:08 PM
Chromium	4.34	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Copper	1.50	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Lead	2.94	0.21	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Manganese	49.9	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Nickel	2.53	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
Selenium	ND	0.21	0.526	U	mg/Kg-dry	1	4/14/2015 1:18:08 PM
Silver	ND	0.11	0.421	U	mg/Kg-dry	1	4/14/2015 1:18:08 PM
Zinc	9.02	0.11	0.421		mg/Kg-dry	1	4/14/2015 1:18:08 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
3+4-Methylphenol	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Acenaphthene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Acenaphthylene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Anthracene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Benzo(a)anthracene	ND	27.3	270	Um	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Benzo(a)pyrene	ND	27.3	160	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-007B

**Client Sample ID:** B-4 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Benzo(g,h,i)perylene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Benzo(k)fluoranthene	ND	27.3	270	Um	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Chrysene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Dibenzo(a,h)anthracene	ND	27.3	160	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Dibenzofuran	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Fluoranthene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Fluorene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Hexachlorobenzene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Indeno(1,2,3-c,d)pyrene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Naphthalene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Pentachlorophenol	ND	54.7	550	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Phenanthrene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Phenol	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Pyrene	ND	27.3	270	U	µg/Kg-dry	1	4/15/2015 4:24:00 PM
Surr: 2,4,6-Tribromophenol	87.0	0	14-144		%REC	1	4/15/2015 4:24:00 PM
Surr: 2-Fluorobiphenyl	91.6	0	17-129		%REC	1	4/15/2015 4:24:00 PM
Surr: 2-Fluorophenol	82.6	0	21-149		%REC	1	4/15/2015 4:24:00 PM
Surr: 4-Terphenyl-d14	86.5	0	18-134		%REC	1	4/15/2015 4:24:00 PM
Surr: Nitrobenzene-d5	83.7	0	18-125		%REC	1	4/15/2015 4:24:00 PM
Surr: Phenol-d6	83.3	0	20-147		%REC	1	4/15/2015 4:24:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.109	U	mg/Kg-dry	1	4/14/2015 1:21:56 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	4.34	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.21	0.536	U	mg/Kg-dry	1	4/15/2015





ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-008A

**Client Sample ID:** B-4 8-10'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,1-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,1-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,2,4-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,2-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,2-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,3,5-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,3-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,4-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
1,4-Dioxane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
2-Butanone	ND	5.1	10	U*	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Acetone	2.3	1.3	10	J*	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Benzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Carbon tetrachloride	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Chlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Chloroform	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
cis-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Ethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
m,p-Xylene	ND	2	10	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Methyl tert-butyl ether	ND	1	5.1	U*	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Methylene chloride	5.1	1	5.1	B*	µg/Kg-dry	1	4/14/2015 3:33:00 AM
n-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
n-Propylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
o-Xylene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
sec-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
tert-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Tetrachloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Toluene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
trans-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Trichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Vinyl chloride	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 3:33:00 AM
Surr: 4-Bromofluorobenzene	90.1	0	50-139		%REC	1	4/14/2015 3:33:00 AM
Surr: Dibromofluoromethane	122	0	50-138	m	%REC	1	4/14/2015 3:33:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-4 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-008A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	107	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 3:33:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-4 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-008B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.007	0.0110	U	mg/Kg-dry	1	4/14/2015 12:02:49 PM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.02	3.1	U	µg/Kg-dry	1	4/16/2015 1:41:00 PM
Surr: 2,4-DCAA	93.9	0	16-152	P	%REC	1	4/16/2015 1:41:00 PM
Surr: 2,4-DCAA	44.7	0	16-152	P	%REC	1	4/16/2015 1:41:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1221	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1232	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1242	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1248	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1254	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1260	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1262	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Aroclor 1268	ND	10.3	21	U	µg/Kg-dry	1	4/16/2015 6:52:00 AM
Surr: DCB	32.2	0	12-151		%REC	1	4/16/2015 6:52:00 AM
Surr: DCB	27.7	0	12-151		%REC	1	4/16/2015 6:52:00 AM
Surr: TCX	81.3	0	18-147		%REC	1	4/16/2015 6:52:00 AM
Surr: TCX	84.1	0	18-147		%REC	1	4/16/2015 6:52:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
4,4'-DDE	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
4,4'-DDT	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Aldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
alpha-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
alpha-Chlordane	ND	6.19	10	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
beta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
delta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Dieldrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Endosulfan I	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Endosulfan II	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-4 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-008B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Endrin	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
gamma-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Heptachlor	ND	2.06	3.1	U	µg/Kg-dry	1	4/15/2015 4:34:00 PM
Surr: TCX	77.7	0	19-145		%REC	1	4/15/2015 4:34:00 PM
Surr: TCX	92.3	0	19-145		%REC	1	4/15/2015 4:34:00 PM
Surr: DCB	123	0	16-148		%REC	1	4/15/2015 4:34:00 PM
Surr: DCB	101	0	16-148		%REC	1	4/15/2015 4:34:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	3.03	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	0.742	0.19	0.477		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Barium	3.00	0.19	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Beryllium	ND	0.1	0.382	U	mg/Kg-dry	1	4/14/2015 1:20:10 PM
Cadmium	ND	0.1	0.382	U	mg/Kg-dry	1	4/14/2015 1:20:10 PM
Chromium	1.89	0.1	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Copper	2.10	0.1	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Lead	1.64	0.19	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Manganese	44.9	0.1	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Nickel	1.49	0.1	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
Selenium	ND	0.19	0.477	U	mg/Kg-dry	1	4/14/2015 1:20:10 PM
Silver	ND	0.1	0.382	U	mg/Kg-dry	1	4/14/2015 1:20:10 PM
Zinc	7.73	0.1	0.382		mg/Kg-dry	1	4/14/2015 1:20:10 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
3+4-Methylphenol	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Acenaphthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Acenaphthylene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Anthracene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Benzo(a)anthracene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Benzo(a)pyrene	ND	25.7	150	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-4 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-008B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Benzo(g,h,i)perylene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Benzo(k)fluoranthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Chrysene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Dibenzo(a,h)anthracene	ND	25.7	150	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Dibenzofuran	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Fluoranthene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Fluorene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Hexachlorobenzene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Indeno(1,2,3-c,d)pyrene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Naphthalene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Pentachlorophenol	ND	51.3	510	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Phenanthrene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Phenol	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Pyrene	ND	25.7	260	U	µg/Kg-dry	1	4/15/2015 4:56:00 PM
Surr: 2,4,6-Tribromophenol	80.6	0	14-144		%REC	1	4/15/2015 4:56:00 PM
Surr: 2-Fluorobiphenyl	94.4	0	17-129		%REC	1	4/15/2015 4:56:00 PM
Surr: 2-Fluorophenol	80.4	0	21-149		%REC	1	4/15/2015 4:56:00 PM
Surr: 4-Terphenyl-d14	91.6	0	18-134		%REC	1	4/15/2015 4:56:00 PM
Surr: Nitrobenzene-d5	81.3	0	18-125		%REC	1	4/15/2015 4:56:00 PM
Surr: Phenol-d6	82.0	0	20-147		%REC	1	4/15/2015 4:56:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.103	U	mg/Kg-dry	1	4/14/2015 1:22:52 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	1.89	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.20	0.504	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-009A

**Client Sample ID:** B-5 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,1-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,1-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,2,4-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,2-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,2-Dichloroethane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,3,5-Trimethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,3-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,4-Dichlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
1,4-Dioxane	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
2-Butanone	ND	5.1	10	U*	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Acetone	4.9	1.3	10	J*	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Benzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Carbon tetrachloride	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Chlorobenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Chloroform	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
cis-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Ethylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
m,p-Xylene	ND	2	10	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Methyl tert-butyl ether	ND	1	5.1	U*	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Methylene chloride	5.1	1	5.1	B*	µg/Kg-dry	1	4/14/2015 4:01:00 AM
n-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
n-Propylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
o-Xylene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
sec-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
tert-Butylbenzene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Tetrachloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Toluene	ND	1	5.1	Um	µg/Kg-dry	1	4/14/2015 4:01:00 AM
trans-1,2-Dichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Trichloroethene	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Vinyl chloride	ND	1	5.1	U	µg/Kg-dry	1	4/14/2015 4:01:00 AM
Surr: 4-Bromofluorobenzene	89.8	0	50-139		%REC	1	4/14/2015 4:01:00 AM
Surr: Dibromofluoromethane	122	0	50-138	m	%REC	1	4/14/2015 4:01:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-009A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	107	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 4:01:00 AM

---





ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-009B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	0.0101	0.007	0.0106	J	mg/Kg-dry	1	4/14/2015 12:09:13 PM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.05	3.2	U	µg/Kg-dry	1	4/16/2015 1:49:00 PM
Surr: 2,4-DCAA	112	0	16-152	P	%REC	1	4/16/2015 1:49:00 PM
Surr: 2,4-DCAA	166	0	16-152	PS	%REC	1	4/16/2015 1:49:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1221	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1232	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1242	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1248	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1254	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1260	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1262	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Aroclor 1268	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 7:16:00 AM
Surr: DCB	36.1	0	12-151		%REC	1	4/16/2015 7:16:00 AM
Surr: DCB	31.7	0	12-151		%REC	1	4/16/2015 7:16:00 AM
Surr: TCX	87.7	0	18-147		%REC	1	4/16/2015 7:16:00 AM
Surr: TCX	89.7	0	18-147		%REC	1	4/16/2015 7:16:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
4,4'-DDE	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
4,4'-DDT	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Aldrin	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
alpha-BHC	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
alpha-Chlordane	ND	6.34	11	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
beta-BHC	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
delta-BHC	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Dieldrin	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Endosulfan I	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Endosulfan II	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-009B

**Client Sample ID:** B-5 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Endrin	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
gamma-BHC	ND	1.06	2.6	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Heptachlor	ND	2.11	3.2	U	µg/Kg-dry	1	4/15/2015 4:48:00 PM
Surr: TCX	88.8	0	19-145		%REC	1	4/15/2015 4:48:00 PM
Surr: TCX	102	0	19-145		%REC	1	4/15/2015 4:48:00 PM
Surr: DCB	137	0	16-148		%REC	1	4/15/2015 4:48:00 PM
Surr: DCB	107	0	16-148		%REC	1	4/15/2015 4:48:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	5.30	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	2.16	0.2	0.489		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Barium	14.0	0.2	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Beryllium	ND	0.1	0.391	U	mg/Kg-dry	1	4/14/2015 1:43:24 PM
Cadmium	ND	0.1	0.391	U	mg/Kg-dry	1	4/14/2015 1:43:24 PM
Chromium	7.84	0.1	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Copper	3.42	0.1	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Lead	3.95	0.2	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Manganese	154	0.1	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Nickel	4.09	0.1	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
Selenium	ND	0.2	0.489	U	mg/Kg-dry	1	4/14/2015 1:43:24 PM
Silver	ND	0.1	0.391	U	mg/Kg-dry	1	4/14/2015 1:43:24 PM
Zinc	12.0	0.1	0.391		mg/Kg-dry	1	4/14/2015 1:43:24 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
3+4-Methylphenol	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Acenaphthene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Acenaphthylene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Anthracene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Benzo(a)anthracene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Benzo(a)pyrene	ND	26.2	160	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-009B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Benzo(g,h,i)perylene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Benzo(k)fluoranthene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Chrysene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Dibenzo(a,h)anthracene	ND	26.2	160	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Dibenzofuran	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Fluoranthene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Fluorene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Hexachlorobenzene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Naphthalene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Pentachlorophenol	ND	52.5	520	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Phenanthrene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Phenol	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Pyrene	ND	26.2	260	U	µg/Kg-dry	1	4/15/2015 5:28:00 PM
Surr: 2,4,6-Tribromophenol	89.4	0	14-144		%REC	1	4/15/2015 5:28:00 PM
Surr: 2-Fluorobiphenyl	95.3	0	17-129		%REC	1	4/15/2015 5:28:00 PM
Surr: 2-Fluorophenol	81.9	0	21-149		%REC	1	4/15/2015 5:28:00 PM
Surr: 4-Terphenyl-d14	90.9	0	18-134		%REC	1	4/15/2015 5:28:00 PM
Surr: Nitrobenzene-d5	81.7	0	18-125		%REC	1	4/15/2015 5:28:00 PM
Surr: Phenol-d6	82.2	0	20-147		%REC	1	4/15/2015 5:28:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.106	U	mg/Kg-dry	1	4/14/2015 1:28:45 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	7.84	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.21	0.526	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-010A

**Client Sample ID:** B-5 8-10'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,1-Dichloroethane	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,1-Dichloroethene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,2,4-Trimethylbenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,2-Dichlorobenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,2-Dichloroethane	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,3,5-Trimethylbenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,3-Dichlorobenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,4-Dichlorobenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
1,4-Dioxane	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
2-Butanone	ND	4.9	9.8	U*	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Acetone	2.5	1.2	9.8	J*	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Benzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Carbon tetrachloride	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Chlorobenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Chloroform	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
cis-1,2-Dichloroethene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Ethylbenzene	ND	0.98	4.9	Um	µg/Kg-dry	1	4/14/2015 4:28:00 AM
m,p-Xylene	ND	2	9.8	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Methyl tert-butyl ether	ND	0.98	4.9	U*	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Methylene chloride	5.0	0.98	4.9	B*	µg/Kg-dry	1	4/14/2015 4:28:00 AM
n-Butylbenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
n-Propylbenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
o-Xylene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
sec-Butylbenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
tert-Butylbenzene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Tetrachloroethene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Toluene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
trans-1,2-Dichloroethene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Trichloroethene	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Vinyl chloride	ND	0.98	4.9	U	µg/Kg-dry	1	4/14/2015 4:28:00 AM
Surr: 4-Bromofluorobenzene	89.8	0	50-139		%REC	1	4/14/2015 4:28:00 AM
Surr: Dibromofluoromethane	121	0	50-138	m	%REC	1	4/14/2015 4:28:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-010A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	110	0	71-120		%REC	1	Analyst: <b>KSS</b> 4/14/2015 4:28:00 AM

---



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-010B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.007	0.0102	U	mg/Kg-dry	1	4/14/2015 12:11:23 PM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.05	3.2	U	µg/Kg-dry	1	4/16/2015 1:58:00 PM
Surr: 2,4-DCAA	115	0	16-152	P	%REC	1	4/16/2015 1:58:00 PM
Surr: 2,4-DCAA	66.1	0	16-152	P	%REC	1	4/16/2015 1:58:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1221	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1232	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1242	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1248	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1254	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1260	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1262	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Aroclor 1268	ND	10.7	21	U	µg/Kg-dry	1	4/16/2015 7:40:00 AM
Surr: DCB	20.3	0	12-151		%REC	1	4/16/2015 7:40:00 AM
Surr: DCB	16.5	0	12-151		%REC	1	4/16/2015 7:40:00 AM
Surr: TCX	75.9	0	18-147		%REC	1	4/16/2015 7:40:00 AM
Surr: TCX	78.0	0	18-147		%REC	1	4/16/2015 7:40:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
4,4'-DDE	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
4,4'-DDT	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Aldrin	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
alpha-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
alpha-Chlordane	ND	6.44	11	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
beta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
delta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Dieldrin	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Endosulfan I	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Endosulfan II	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-010B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Endrin	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
gamma-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Heptachlor	ND	2.15	3.2	U	µg/Kg-dry	1	4/15/2015 5:25:00 PM
Surr: TCX	77.5	0	19-145	P	%REC	1	4/15/2015 5:25:00 PM
Surr: TCX	109	0	19-145	P	%REC	1	4/15/2015 5:25:00 PM
Surr: DCB	121	0	16-148		%REC	1	4/15/2015 5:25:00 PM
Surr: DCB	98.4	0	16-148		%REC	1	4/15/2015 5:25:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	7.43	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	1.26	0.19	0.475		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Barium	8.21	0.19	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Beryllium	ND	0.1	0.380	U	mg/Kg-dry	1	4/14/2015 1:45:26 PM
Cadmium	ND	0.1	0.380	U	mg/Kg-dry	1	4/14/2015 1:45:26 PM
Chromium	4.31	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Copper	3.62	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Lead	2.78	0.19	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Manganese	52.1	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Nickel	3.10	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
Selenium	ND	0.19	0.475	U	mg/Kg-dry	1	4/14/2015 1:45:26 PM
Silver	ND	0.1	0.380	U	mg/Kg-dry	1	4/14/2015 1:45:26 PM
Zinc	11.6	0.1	0.380		mg/Kg-dry	1	4/14/2015 1:45:26 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
3+4-Methylphenol	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Acenaphthene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Acenaphthylene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Anthracene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Benzo(a)anthracene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Benzo(a)pyrene	ND	26.8	160	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-5 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-010B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Benzo(g,h,i)perylene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Benzo(k)fluoranthene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Chrysene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Dibenzo(a,h)anthracene	ND	26.8	160	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Dibenzofuran	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Fluoranthene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Fluorene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Hexachlorobenzene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Naphthalene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Pentachlorophenol	ND	53.6	540	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Phenanthrene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Phenol	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Pyrene	ND	26.8	270	U	µg/Kg-dry	1	4/15/2015 6:00:00 PM
Surr: 2,4,6-Tribromophenol	84.6	0	14-144		%REC	1	4/15/2015 6:00:00 PM
Surr: 2-Fluorobiphenyl	91.7	0	17-129		%REC	1	4/15/2015 6:00:00 PM
Surr: 2-Fluorophenol	80.1	0	21-149		%REC	1	4/15/2015 6:00:00 PM
Surr: 4-Terphenyl-d14	88.9	0	18-134		%REC	1	4/15/2015 6:00:00 PM
Surr: Nitrobenzene-d5	80.8	0	18-125		%REC	1	4/15/2015 6:00:00 PM
Surr: Phenol-d6	80.6	0	20-147		%REC	1	4/15/2015 6:00:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.108	U	mg/Kg-dry	1	4/14/2015 1:29:49 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	4.31	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.22	0.538	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-011A

**Client Sample ID:** B-6 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,1-Dichloroethane	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,1-Dichloroethene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,2,4-Trimethylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,2-Dichlorobenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,2-Dichloroethane	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,3,5-Trimethylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,3-Dichlorobenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,4-Dichlorobenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
1,4-Dioxane	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
2-Butanone	ND	4.5	9.1	U*	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Acetone	4.8	1.1	9.1	J*	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Benzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Carbon tetrachloride	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Chlorobenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Chloroform	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
cis-1,2-Dichloroethene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Ethylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
m,p-Xylene	ND	1.8	9.1	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Methyl tert-butyl ether	ND	0.91	4.5	U*	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Methylene chloride	4.6	0.91	4.5	B*	µg/Kg-dry	1	4/14/2015 4:56:00 AM
n-Butylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
n-Propylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
o-Xylene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
sec-Butylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
tert-Butylbenzene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Tetrachloroethene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Toluene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
trans-1,2-Dichloroethene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Trichloroethene	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Vinyl chloride	ND	0.91	4.5	U	µg/Kg-dry	1	4/14/2015 4:56:00 AM
Surr: 4-Bromofluorobenzene	80.5	0	50-139		%REC	1	4/14/2015 4:56:00 AM
Surr: Dibromofluoromethane	118	0	50-138	m	%REC	1	4/14/2015 4:56:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-011A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	108	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 4:56:00 AM

---



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-011B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	0.0186	0.009	0.0131		mg/Kg-dry	1	4/14/2015 12:13:34 PM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.10	3.3	U	µg/Kg-dry	1	4/16/2015 2:06:00 PM
Surr: 2,4-DCAA	81.8	0	16-152	P	%REC	1	4/16/2015 2:06:00 PM
Surr: 2,4-DCAA	276	0	16-152	PS	%REC	1	4/16/2015 2:06:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1221	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1232	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1242	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1248	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1254	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1260	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1262	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Aroclor 1268	ND	11.1	22	U	µg/Kg-dry	1	4/16/2015 8:03:00 AM
Surr: DCB	35.3	0	12-151		%REC	1	4/16/2015 8:03:00 AM
Surr: DCB	27.0	0	12-151		%REC	1	4/16/2015 8:03:00 AM
Surr: TCX	78.4	0	18-147		%REC	1	4/16/2015 8:03:00 AM
Surr: TCX	82.4	0	18-147		%REC	1	4/16/2015 8:03:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
4,4'-DDE	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
4,4'-DDT	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Aldrin	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
alpha-BHC	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
alpha-Chlordane	ND	6.65	11	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
beta-BHC	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
delta-BHC	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Dieldrin	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Endosulfan I	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Endosulfan II	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 1-2'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-011B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Endrin	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
gamma-BHC	ND	1.11	2.8	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Heptachlor	ND	2.22	3.3	U	µg/Kg-dry	1	4/15/2015 5:39:00 PM
Surr: TCX	82.6	0	19-145		%REC	1	4/15/2015 5:39:00 PM
Surr: TCX	106	0	19-145		%REC	1	4/15/2015 5:39:00 PM
Surr: DCB	131	0	16-148		%REC	1	4/15/2015 5:39:00 PM
Surr: DCB	98.2	0	16-148		%REC	1	4/15/2015 5:39:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	10.3	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	3.98	0.22	0.544		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Barium	20.7	0.22	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Beryllium	ND	0.11	0.435	U	mg/Kg-dry	1	4/14/2015 1:47:28 PM
Cadmium	ND	0.11	0.435	U	mg/Kg-dry	1	4/14/2015 1:47:28 PM
Chromium	10.9	0.11	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Copper	4.52	0.11	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Lead	8.41	0.22	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Manganese	149	0.11	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Nickel	5.75	0.11	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
Selenium	ND	0.22	0.544	U	mg/Kg-dry	1	4/14/2015 1:47:28 PM
Silver	ND	0.11	0.435	U	mg/Kg-dry	1	4/14/2015 1:47:28 PM
Zinc	18.7	0.11	0.435		mg/Kg-dry	1	4/14/2015 1:47:28 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
3+4-Methylphenol	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Acenaphthene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Acenaphthylene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Anthracene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Benzo(a)anthracene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Benzo(a)pyrene	ND	27.9	170	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-011B

**Client Sample ID:** B-6 1-2'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Benzo(g,h,i)perylene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Benzo(k)fluoranthene	ND	27.9	280	Um	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Chrysene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Dibenzo(a,h)anthracene	ND	27.9	170	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Dibenzofuran	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Fluoranthene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Fluorene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Hexachlorobenzene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Indeno(1,2,3-c,d)pyrene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Naphthalene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Pentachlorophenol	ND	55.7	560	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Phenanthrene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Phenol	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Pyrene	ND	27.9	280	U	µg/Kg-dry	1	4/15/2015 6:31:00 PM
Surr: 2,4,6-Tribromophenol	77.7	0	14-144		%REC	1	4/15/2015 6:31:00 PM
Surr: 2-Fluorobiphenyl	86.8	0	17-129		%REC	1	4/15/2015 6:31:00 PM
Surr: 2-Fluorophenol	73.7	0	21-149		%REC	1	4/15/2015 6:31:00 PM
Surr: 4-Terphenyl-d14	78.8	0	18-134		%REC	1	4/15/2015 6:31:00 PM
Surr: Nitrobenzene-d5	75.1	0	18-125		%REC	1	4/15/2015 6:31:00 PM
Surr: Phenol-d6	72.6	0	20-147		%REC	1	4/15/2015 6:31:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	0.0774	0.06	0.111	J	mg/Kg-dry	1	4/14/2015 1:30:42 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	10.9	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.22	0.555	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

**CLIENT:** Edgewater Environmental, Inc.  
**Lab Order:** 1504111  
**Project:** Bethpage Walking Park, Grumman Road West,  
**Lab ID:** 1504111-012A

**Client Sample ID:** B-6 8-10'  
**Collection Date:** 4/13/2015  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>							
			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,1-Dichloroethane	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,1-Dichloroethene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,2,4-Trimethylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,2-Dichlorobenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,2-Dichloroethane	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,3,5-Trimethylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,3-Dichlorobenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,4-Dichlorobenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
1,4-Dioxane	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
2-Butanone	ND	4.7	9.4	U*	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Acetone	2.9	1.2	9.4	J*	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Benzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Carbon tetrachloride	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Chlorobenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Chloroform	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
cis-1,2-Dichloroethene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Ethylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
m,p-Xylene	ND	1.9	9.4	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Methyl tert-butyl ether	ND	0.94	4.7	U*	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Methylene chloride	4.7	0.94	4.7	BJ*	µg/Kg-dry	1	4/14/2015 5:24:00 AM
n-Butylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
n-Propylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
o-Xylene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
sec-Butylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
tert-Butylbenzene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Tetrachloroethene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Toluene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
trans-1,2-Dichloroethene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Trichloroethene	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Vinyl chloride	ND	0.94	4.7	U	µg/Kg-dry	1	4/14/2015 5:24:00 AM
Surr: 4-Bromofluorobenzene	90.6	0	50-139		%REC	1	4/14/2015 5:24:00 AM
Surr: Dibromofluoromethane	126	0	50-138		%REC	1	4/14/2015 5:24:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-012A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	108	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 5:24:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-012B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		Analyst: <b>JP</b>
Mercury	ND	0.008	0.0117	U	mg/Kg-dry	1	4/14/2015 12:15:43 PM
<b>HERBICIDES SW-846 8151</b>							
			<b>SW8151A</b>		<b>SW8151A</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	1.06	3.2	U	µg/Kg-dry	1	4/16/2015 2:14:00 PM
Surr: 2,4-DCAA	152	0	16-152	PS	%REC	1	4/16/2015 2:14:00 PM
Surr: 2,4-DCAA	57.4	0	16-152	P	%REC	1	4/16/2015 2:14:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1221	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1232	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1242	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1248	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1254	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1260	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1262	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Aroclor 1268	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:28:00 AM
Surr: DCB	49.9	0	12-151		%REC	1	4/16/2015 8:28:00 AM
Surr: DCB	46.1	0	12-151		%REC	1	4/16/2015 8:28:00 AM
Surr: TCX	77.1	0	18-147		%REC	1	4/16/2015 8:28:00 AM
Surr: TCX	80.1	0	18-147		%REC	1	4/16/2015 8:28:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
4,4'-DDE	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
4,4'-DDT	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Aldrin	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
alpha-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
alpha-Chlordane	ND	6.38	11	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
beta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
delta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Dieldrin	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Endosulfan I	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Endosulfan II	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-012B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Endrin	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
gamma-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Heptachlor	ND	2.13	3.2	U	µg/Kg-dry	1	4/15/2015 9:05:00 PM
Surr: TCX	76.3	0	19-145		%REC	1	4/15/2015 9:05:00 PM
Surr: TCX	107	0	19-145		%REC	1	4/15/2015 9:05:00 PM
Surr: DCB	127	0	16-148		%REC	1	4/15/2015 9:05:00 PM
Surr: DCB	103	0	16-148		%REC	1	4/15/2015 9:05:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	6.82	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	1.84	0.20	0.502		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Barium	16.5	0.20	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Beryllium	ND	0.1	0.402	U	mg/Kg-dry	1	4/14/2015 1:49:30 PM
Cadmium	ND	0.1	0.402	U	mg/Kg-dry	1	4/14/2015 1:49:30 PM
Chromium	5.07	0.1	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Copper	3.75	0.1	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Lead	2.96	0.20	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Manganese	97.2	0.1	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Nickel	3.37	0.1	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
Selenium	ND	0.20	0.502	U	mg/Kg-dry	1	4/14/2015 1:49:30 PM
Silver	ND	0.1	0.402	U	mg/Kg-dry	1	4/14/2015 1:49:30 PM
Zinc	10.8	0.1	0.402		mg/Kg-dry	1	4/14/2015 1:49:30 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
3+4-Methylphenol	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Acenaphthene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Acenaphthylene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Anthracene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Benzo(a)anthracene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Benzo(a)pyrene	ND	26.4	160	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	B-6 8-10'
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-012B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Benzo(g,h,i)perylene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Benzo(k)fluoranthene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Chrysene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Dibenzo(a,h)anthracene	ND	26.4	160	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Dibenzofuran	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Fluoranthene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Fluorene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Hexachlorobenzene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Naphthalene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Pentachlorophenol	ND	52.8	530	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Phenanthrene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Phenol	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Pyrene	ND	26.4	260	U	µg/Kg-dry	1	4/15/2015 7:03:00 PM
Surr: 2,4,6-Tribromophenol	83.0	0	14-144		%REC	1	4/15/2015 7:03:00 PM
Surr: 2-Fluorobiphenyl	90.1	0	17-129		%REC	1	4/15/2015 7:03:00 PM
Surr: 2-Fluorophenol	78.7	0	21-149		%REC	1	4/15/2015 7:03:00 PM
Surr: 4-Terphenyl-d14	84.2	0	18-134		%REC	1	4/15/2015 7:03:00 PM
Surr: Nitrobenzene-d5	80.0	0	18-125		%REC	1	4/15/2015 7:03:00 PM
Surr: Phenol-d6	77.5	0	20-147		%REC	1	4/15/2015 7:03:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.107	U	mg/Kg-dry	1	4/14/2015 1:31:38 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	5.07	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.21	0.534	U	mg/Kg-dry	1	4/15/2015



ELAP ID : 11418

CLIENT: Edgewater Environmental, Inc.  
 Lab Order: 1504111  
 Project: Bethpage Walking Park, Grumman Road West,  
 Lab ID: 1504111-013A

Client Sample ID: DUP - 1  
 Collection Date: 4/13/2015  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5035A</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,1-Dichloroethane	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,1-Dichloroethene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,2,4-Trimethylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,2-Dichlorobenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,2-Dichloroethane	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,3,5-Trimethylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,3-Dichlorobenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,4-Dichlorobenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
1,4-Dioxane	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
2-Butanone	ND	5	9.9	U*	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Acetone	7.5	1.2	9.9	J*	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Benzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Carbon tetrachloride	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Chlorobenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Chloroform	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
cis-1,2-Dichloroethene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Ethylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
m,p-Xylene	ND	2	9.9	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Methyl tert-butyl ether	ND	0.99	5.0	U*	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Methylene chloride	5.0	0.99	5.0	B*	µg/Kg-dry	1	4/14/2015 5:52:00 AM
n-Butylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
n-Propylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
o-Xylene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
sec-Butylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
tert-Butylbenzene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Tetrachloroethene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Toluene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
trans-1,2-Dichloroethene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Trichloroethene	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Vinyl chloride	ND	0.99	5.0	U	µg/Kg-dry	1	4/14/2015 5:52:00 AM
Surr: 4-Bromofluorobenzene	87.9	0	50-139		%REC	1	4/14/2015 5:52:00 AM
Surr: Dibromofluoromethane	123	0	50-138	m	%REC	1	4/14/2015 5:52:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	DUP - 1
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-013A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	106	0	71-120	%REC		1	Analyst: <b>KSS</b> 4/14/2015 5:52:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	DUP - 1
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-013B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0132	0.006	0.00831		mg/Kg-dry	1	4/14/2015 12:17:53 PM
							Analyst: <b>JP</b>
<b>HERBICIDES SW-846 8151</b>							
2,4,5-TP	ND	1.04	3.1	U	µg/Kg-dry	1	4/16/2015 2:24:00 PM
Surr: 2,4-DCAA	110	0	16-152	P	%REC	1	4/16/2015 2:24:00 PM
Surr: 2,4-DCAA	349	0	16-152	PS	%REC	1	4/16/2015 2:24:00 PM
							Analyst: <b>SB</b>
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
Aroclor 1016	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1221	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1232	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1242	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1248	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1254	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1260	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1262	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Aroclor 1268	ND	10.6	21	U	µg/Kg-dry	1	4/16/2015 8:51:00 AM
Surr: DCB	26.7	0	12-151		%REC	1	4/16/2015 8:51:00 AM
Surr: DCB	22.6	0	12-151		%REC	1	4/16/2015 8:51:00 AM
Surr: TCX	80.1	0	18-147		%REC	1	4/16/2015 8:51:00 AM
Surr: TCX	83.5	0	18-147		%REC	1	4/16/2015 8:51:00 AM
							Analyst: <b>SB</b>
<b>PESTICIDES SW-846 METHOD 8081</b>							
4,4'-DDD	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
4,4'-DDE	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
4,4'-DDT	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Aldrin	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
alpha-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
alpha-Chlordane	ND	6.37	11	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
beta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
delta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Dieldrin	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Endosulfan I	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Endosulfan II	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
							Analyst: <b>SB</b>

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	DUP - 1
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-013B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3546</b>		Analyst: <b>SB</b>
Endosulfan sulfate	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Endrin	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
gamma-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Heptachlor	ND	2.12	3.2	U	µg/Kg-dry	1	4/15/2015 9:19:00 PM
Surr: TCX	84.7	0	19-145	P	%REC	1	4/15/2015 9:19:00 PM
Surr: TCX	125	0	19-145	P	%REC	1	4/15/2015 9:19:00 PM
Surr: DCB	151	0	16-148	PS	%REC	1	4/15/2015 9:19:00 PM
Surr: DCB	105	0	16-148	P	%REC	1	4/15/2015 9:19:00 PM
<b>PERCENT MOISTURE</b>							
			<b>D2216</b>				Analyst: <b>KK</b>
Percent Moisture	6.28	0	1.00		wt%	1	4/15/2015 9:32:44 AM
<b>TOTAL METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Arsenic	1.95	0.2	0.496		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Barium	10.1	0.2	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Beryllium	ND	0.1	0.397	U	mg/Kg-dry	1	4/14/2015 1:51:31 PM
Cadmium	ND	0.1	0.397	U	mg/Kg-dry	1	4/14/2015 1:51:31 PM
Chromium	5.81	0.1	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Copper	1.92	0.1	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Lead	3.38	0.2	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Manganese	204	0.1	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Nickel	3.70	0.1	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
Selenium	ND	0.2	0.496	U	mg/Kg-dry	1	4/14/2015 1:51:31 PM
Silver	ND	0.1	0.397	U	mg/Kg-dry	1	4/14/2015 1:51:31 PM
Zinc	9.94	0.1	0.397		mg/Kg-dry	1	4/14/2015 1:51:31 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
2-Methylphenol	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
3+4-Methylphenol	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Acenaphthene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Acenaphthylene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Anthracene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Benzo(a)anthracene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Benzo(a)pyrene	ND	26.1	160	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	DUP - 1
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1504111-013B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3546</b>		Analyst: <b>MH</b>
Benzo(b)fluoranthene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Benzo(g,h,i)perylene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Benzo(k)fluoranthene	ND	26.1	260	Um	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Chrysene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Dibenzo(a,h)anthracene	ND	26.1	160	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Dibenzofuran	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Fluoranthene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Fluorene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Hexachlorobenzene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Naphthalene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Pentachlorophenol	ND	52.1	520	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Phenanthrene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Phenol	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Pyrene	ND	26.1	260	U	µg/Kg-dry	1	4/15/2015 7:35:00 PM
Surr: 2,4,6-Tribromophenol	85.0	0	14-144		%REC	1	4/15/2015 7:35:00 PM
Surr: 2-Fluorobiphenyl	92.5	0	17-129		%REC	1	4/15/2015 7:35:00 PM
Surr: 2-Fluorophenol	78.7	0	21-149		%REC	1	4/15/2015 7:35:00 PM
Surr: 4-Terphenyl-d14	89.2	0	18-134		%REC	1	4/15/2015 7:35:00 PM
Surr: Nitrobenzene-d5	80.6	0	18-125		%REC	1	4/15/2015 7:35:00 PM
Surr: Phenol-d6	79.0	0	20-147		%REC	1	4/15/2015 7:35:00 PM
<b>CYANIDE, TOTAL</b>			<b>SW9012B</b>		<b>SW9012B</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.05	0.107	U	mg/Kg-dry	1	4/14/2015 1:32:46 PM
<b>TRIVALENT CHROMIUM</b>			<b>SW6010C</b>				Analyst: <b>PAV</b>
Chromium, Trivalent	5.81	0.1	0.400		mg/Kg-dry	1	4/15/2015
<b>HEXAVALENT CHROMIUM</b>			<b>SW7196A</b>		<b>SW3060A</b>		Analyst: <b>PAV</b>
Chromium, Hexavalent	ND	0.21	0.523	U	mg/Kg-dry	1	4/15/2015



# American Analytical Laboratories, LLC.

Date: 16-Apr-15

ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014A		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,3,5-Trimethylbenzene	ND	0.5	2.0	Um	µg/L	1	4/15/2015 4:13:00 AM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
2-Butanone	ND	1.25	5.0	U*	µg/L	1	4/15/2015 4:13:00 AM
Acetone	2.0	1.25	5.0	BJ*	µg/L	1	4/15/2015 4:13:00 AM
Benzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Chloroform	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
m,p-Xylene	ND	1	4.0	U	µg/L	1	4/15/2015 4:13:00 AM
Methyl tert-butyl ether	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Methylene chloride	5.4	0.5	2.0	B*	µg/L	1	4/15/2015 4:13:00 AM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
o-Xylene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Tetrachloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Toluene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:13:00 AM
Surr: 4-Bromofluorobenzene	92.9	0	80-120		%REC	1	4/15/2015 4:13:00 AM
Surr: Dibromofluoromethane	108	0	77-131		%REC	1	4/15/2015 4:13:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	102	0	80-120	%REC		1	Analyst: <b>KSS</b> 4/15/2015 4:13:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>HERBICIDES BY METHOD SW-846 8151</b>			<b>SW8151A</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
2,4,5-TP	ND	0.03	0.050	U	µg/L	1	4/16/2015 2:41:00 PM
Surr: 2,4-DCAA	94.8	0	18-152		%REC	1	4/16/2015 2:41:00 PM
Surr: 2,4-DCAA	83.0	0	18-152		%REC	1	4/16/2015 2:41:00 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
Aroclor 1016	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1221	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1232	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1242	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1248	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1254	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1260	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1262	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Aroclor 1268	ND	0.25	0.50	U	µg/L	1	4/15/2015 10:59:00 PM
Surr: DCB	54.4	0	12-147		%REC	1	4/15/2015 10:59:00 PM
Surr: DCB	60.6	0	12-147		%REC	1	4/15/2015 10:59:00 PM
Surr: TCX	84.3	0	12-147		%REC	1	4/15/2015 10:59:00 PM
Surr: TCX	87.2	0	12-147		%REC	1	4/15/2015 10:59:00 PM
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
4,4'-DDD	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
4,4'-DDE	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
4,4'-DDT	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
Aldrin	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
alpha-BHC	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
alpha-Chlordane	ND	0.05	0.25	U	µg/L	1	4/15/2015 1:10:00 PM
beta-BHC	0.011	0.01	0.050	JP	µg/L	1	4/15/2015 1:10:00 PM
delta-BHC	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
Dieldrin	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
Endosulfan I	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
Endosulfan II	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
Endosulfan sulfate	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
Endrin	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM
gamma-BHC	ND	0.01	0.050	U	µg/L	1	4/15/2015 1:10:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>				Analyst: <b>SB</b>
			<b>SW3510C</b>				
Heptachlor	ND	0.01	0.050	PU	µg/L	1	4/15/2015 1:10:00 PM
Surr: DCB	73.5	0	20-146		%REC	1	4/15/2015 1:10:00 PM
Surr: DCB	63.5	0	20-146		%REC	1	4/15/2015 1:10:00 PM
Surr: TCX	99.1	0	20-149		%REC	1	4/15/2015 1:10:00 PM
Surr: TCX	109	0	20-149		%REC	1	4/15/2015 1:10:00 PM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>				Analyst: <b>MH</b>
			<b>SW3510C</b>				
2-Methylphenol	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
3+4-Methylphenol	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Acenaphthene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Acenaphthylene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Anthracene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Benzo(a)anthracene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Benzo(a)pyrene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Benzo(b)fluoranthene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Benzo(g,h,i)perylene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Benzo(k)fluoranthene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Chrysene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Dibenzo(a,h)anthracene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Dibenzofuran	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Fluoranthene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Fluorene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Hexachlorobenzene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Naphthalene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Pentachlorophenol	ND	1	10	U	µg/L	1	4/16/2015 1:58:00 PM
Phenanthrene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Phenol	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Pyrene	ND	0.5	5.0	U	µg/L	1	4/16/2015 1:58:00 PM
Surr: 2,4,6-Tribromophenol	81.9	0	17-145		%REC	1	4/16/2015 1:58:00 PM
Surr: 2-Fluorobiphenyl	96.1	0	18-131		%REC	1	4/16/2015 1:58:00 PM
Surr: 2-Fluorophenol	43.4	0	10-147		%REC	1	4/16/2015 1:58:00 PM
Surr: 4-Terphenyl-d14	90.5	0	14-140		%REC	1	4/16/2015 1:58:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014B		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: <b>MH</b>
Surr: Nitrobenzene-d5	83.1	0	13-133	%REC		1	4/16/2015 1:58:00 PM
Surr: Phenol-d6	30.0	0	10-146	%REC		1	4/16/2015 1:58:00 PM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com





# American Analytical Laboratories, LLC.

Date: 16-Apr-15

ELAP ID : 11418

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014C		

## Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>E245.1 REV3.0</b>		<b>E245.1 REV3.0</b>		Analyst: JP
Mercury	ND	0.0002	0.000250	U	mg/L	1	4/14/2015 12:41:08 PM
<b>TOTAL METALS</b>			<b>E200.7 REV4.4</b>		<b>E200.7 REV4.4</b>		Analyst: JP
Arsenic	ND	0.01	0.0250	U	mg/L	1	4/14/2015 2:05:58 PM
Barium	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	4/14/2015 2:05:58 PM
Chromium	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Copper	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Lead	ND	0.005	0.0150	U	mg/L	1	4/14/2015 2:05:58 PM
Manganese	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Nickel	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	4/14/2015 2:05:58 PM
Silver	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM
Zinc	ND	0.005	0.0200	U	mg/L	1	4/14/2015 2:05:58 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014D		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>TRIVALENT CHROMIUM</b>							
Chromium, Trivalent	ND	0.005	0.0200	U	mg/L	1	4/15/2015
							Analyst: <b>PAV</b>
<b>HEXAVALENT CHROMIUM</b>							
Chromium, Hexavalent	ND	2	10.0	U	µg/L	1	4/13/2015 2:51:00 PM
							Analyst: <b>PAV</b>

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID : 11418**

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Field Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-014E		

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>CYANIDE, TOTAL</b>			<b>E335.4</b>	<b>REV1.0</b>	<b>E335.4</b>		Analyst: <b>STP</b>
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.005	0.0100	U	mg/L	1	4/14/2015 1:35:39 PM



ELAP ID : 11418

CLIENT: Edgewater Environmental, Inc. Client Sample ID: Trip Blank  
 Lab Order: 1504111 Collection Date: 4/13/2015  
 Project: Bethpage Walking Park, Grumman Road West, Matrix: LIQUID  
 Lab ID: 1504111-015A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>SW5030C</b>		Analyst: <b>KSS</b>
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,3,5-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
2-Butanone	ND	1.25	5.0	U*	µg/L	1	4/15/2015 4:41:00 AM
Acetone	1.9	1.25	5.0	BJ*	µg/L	1	4/15/2015 4:41:00 AM
Benzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Chloroform	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
m,p-Xylene	ND	1	4.0	U	µg/L	1	4/15/2015 4:41:00 AM
Methyl tert-butyl ether	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Methylene chloride	5.9	0.5	2.0	B*	µg/L	1	4/15/2015 4:41:00 AM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
o-Xylene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Tetrachloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Toluene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	4/15/2015 4:41:00 AM
Surr: 4-Bromofluorobenzene	90.4	0	80-120		%REC	1	4/15/2015 4:41:00 AM
Surr: Dibromofluoromethane	108	0	77-131		%REC	1	4/15/2015 4:41:00 AM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



**American Analytical Laboratories, LLC.**

**Date:** 16-Apr-15

**ELAP ID :** 11418

---

<b>CLIENT:</b>	Edgewater Environmental, Inc.	<b>Client Sample ID:</b>	Trip Blank
<b>Lab Order:</b>	1504111	<b>Collection Date:</b>	4/13/2015
<b>Project:</b>	Bethpage Walking Park, Grumman Road West,	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1504111-015A		

---

**Certificate of Results**

---

<b>Analyses</b>	<b>Sample Result</b>	<b>LOD</b>	<b>LOQ</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Date/Time Analyzed</b>
<b>VOLATILE SW-846 METHOD 8260</b>							
Surr: Toluene-d8	100	0	80-120	%REC		1	Analyst: <b>KSS</b> 4/15/2015 4:41:00 AM

---

---

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735  
Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com

