State Pollutant Discharge Elimination System (SPDES)

INDUSTRIAL APPLICATION FORM NY-2C

For New Permits and Permit Modifications to Discharge Industrial Wastewater and Storm Water

Section I - Permittee and Facility Information

Please type or print the requested information.

1. Current Permit Information (leave blank if for new discharge)

SPDES Number:	DEC Number:

2. Permit Action Requested: (Check applicable box)

[X] A **NEW** proposed discharge

[ ] An **EBPS INFORMATION REQUEST** response

[ ] A **RENEWAL** of an existing SPDES permit

[ ] A **MODIFICATION** of the existing permit

[ ] An **EXISTING** discharge currently without permit

Does this request include an increase in the quantity of water discharged from your facility to the waters of the State?

[X] **YES** - Describe the increase:

[ ] **NO** - Go to Item 3. below.

Construction dewatering of groundwater and storm water runoff will be discharged to the surface water outfall to Flushing Bay. Dewatering to be performed seven (7) days a week at a maximum rate of 110,000 gpd for an estimated 365 days (occurring during the next two baseball off seasons of October 1, 2011 thru April 1, 2012 and October 1, 2012 thru April 1, 2013).

3. Permittee Name and Address

Name	New York City Economic Development Corporation		Attention	Melvin A. Glickman, P.E.
Street Address	110 William Street			
City or Village	New York	State NY	ZIP Code	10038

4. Facility Name, Address and Location

Name	Willets Point Development Site		
Street Address	Storm Sewer Install 126th Street and Sanitary Sewer Install from 126th Street to Grand Central Parkway, Outfall to Flushing Bay	P.O. Box	
City or Village	Willets Point	State NY	ZIP Code 11368
Town	Willets Point	County	Queens
Telephone	212-312-3731	FAX	NYTM - E / NYTM - N

Tax Map Info (New York City, Nassau County and Suffolk County only)

Section	Block 1787	Subblock	Lot 1 & 2

5. Facility Contact Person

Name	Melvin A. Glickman, P.E.	Title	Executive Vice President
Street Address	110 William Street		P.O. Box
City or Village	New York	State NY	ZIP Code
Telephone	212-312-3731	FAX	E-Mail or Internet mglickman@nycedc.com

6. Discharge Monitoring Report (DMR) Mailing Address

Mailing Name	Melvin A. Glickman, P.E.		
Street Address	110 William Street		P.O. Box
City or Village	New York	State NY	ZIP Code 10038
Telephone 212-312-3731	FAX	E-Mail or Internet mglickman@nycedc.com	
Name and Title of person responsible for signing DMRs: Melvin A. Glickman, P.E., Executive Vice President		Signature	

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: Willets Point Development Site	SPDES Number:

7. Summarize the outfalls present at the facility:

Outfall Number	Receiving Water	Type of discharge
001	Flushing Bay	Surface Water

8. Map of Facility and Discharge Locations:

Provide a detailed map showing the location of the facility, all buildings or structures present, wastewater discharge systems, outfall locations into receiving waters, nearby surface water bodies, water supply wells, and groundwater monitoring wells, and attach it to this application. Also submit proof, either by indication on the map or other documentation, that a right of way for the discharges exists from the facility property to a public right of way.

9. Water Flow Diagram:

SEE ATTACHED

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: Willets Point Development Site	SPDES Number:

10. Nature of business: (Describe the activities at the facility and the date(s) that operation(s) at the facility commenced)

Installation of a new storm sewer along 126th Street, generally between 35th Avenue and Flushing Bay.

Installation of a new sanitary sewer from the intersection of 126th Street and 34th Avenue, westward adjacent to the south side of Shea Road to the Grand Central Parkway.

Construction dewatering will take place in order to facilitate the installation of both the new storm sewer and the new sanitary sewer.

11. List the 4-digit SIC codes which describe your facility in order of priority:

Priority 1	Description:	Priority 3	Description:
1 7 9 4	Excavation	1 6 1 1	Installation Beneath Street
Priority 2	**Description:**	**Priority 4**	**Description:**
1 6 2 3	Installation of Storm Sewer	1 6 2 3	Installation of Sanitary Sewer

12. Is your facility a primary industry as listed in Table 1 of the instructions?

[ ] **YES -** Complete the following table.

[X] **NO** - Go to Item 13. below.

Industrial Category	40 CFR		Industrial Category	40 CFR	
	Part	Subpart		Part	Subpart

13. Does this facility manufacture, handle, or discharge recombinant-DNA, pathogens, or other potentially infectious or dangerous organisms?

[ ] **YES** - Attach a detailed explanation to this application.

[X] **NO** - Go to Item 14 below.

14. Is storm runoff or leachate from a material storage area discharged by your facility?

[ ] **YES -** Complete the following table, and show the location of the stockpile(s) and discharge point(s) on the diagram in Item 9.

[X] **NO** - Go to Item 15 on the following page.

Size of area	Type(s) of material stored	Quantity of material stored	Runoff control devices

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: Willets Point Development Site	SPDES Number:

15. Facility Ownership: (Place an "X" in the appropriate box)

Corporate [ ] Sole Proprietorship [ ] Partnership [ ] Municipal [X] State [ ] Federal [ ] Other [ ]

Are any of the discharges applied for in this application on Indian lands? Yes [ ] No [X]

16. List information on any other environmental permits for this facility:

Issuing Agency	Permit Type	Permit Number	Permit Status		
			Active	Applied for	Inactive
NYCDEP	Discharge (WQCA)			X	
NYCDEP	Temporary Connection			X	
NYSDEC	Long Island Well			X	
NYSDEC	Tidal Wetland Program			X	
NYSDEC	Protection of Waters			X	
USACE	NWP-7			X	
USACE	NWP-33			X	

17. Laboratory Certification:

Were any of the analyses reported in Section III of this application performed by a contract laboratory or a consulting firm?

[X] **YES** - Complete the following table.

[ ] **NO** - Go to Item 18 below.

Name of laboratory or consulting firm	Address	Telephone (area code and number)	Pollutants analyzed
Alpha Analytical	8 Walkup Drive Westborough, MA 01581	508-898-9220	See Attached
Analytical Chemists	59-01 Central Avenue Farmingdale, NY 11735	631-414-7685	See Attached

18. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title (type or print) Melvin A. Glickman, P.E.		Date signed 9/13/11
Signature	Telephone number	FAX number

INDUSTRIAL APPLICATION FORM NY-2C
Section I - Permittee and Facility Information

Facility Name: Willets Point Development Site	SPDES Number:

19. Industrial Chemical Survey (ICS)

Complete all information for those substances your facility has used, produced, stored, distributed, or otherwise disposed of in the past five (5) years at or above the threshold values listed in the instructions. Include substances manufactured at your facility, as well as any substances that you have reason to know or believe present in materials used or manufactured at your facility. Do not include chemicals used only in analytical laboratory work, or small quantities of routine household cleaning chemicals. Enter the name and CAS number for each of the chemicals listed in Tables 6-10 of the instructions, and the table number which lists the chemical. You may use ranges (e.g. 10-100 lbs., 100-1000 lbs., 1000-10000 lbs., etc.) to describe the quantities used on an annual basis as well as for the amount presently on hand. For those chemicals listed in Tables 6, 7, or 8 which are indicated as being potentially present in the discharge from one or more outfalls at the facility, indicate which outfalls may be affected in the appropriate column below, and include sampling results in Section III of this application for each of the potentially affected outfalls. Make additional copies of this sheet if necessary.

Name of Substance	Table	CAS Number	Average Annual Usage	Amount Now On Hand	Units (gallons, lbs, etc)	Purpose of Use (see codes in Table 2 of instructions)	Present in Discharge? (Outfall(s)?)
None - Not Applicable							

This completes Section I of the SPDES Industrial Application Form NY-2C. Section II, which requires specific information for each of the outfalls at your facility, and Section III, which requires sampling information for each of the outfalls at your facility, must also be completed and submitted with this application.

State Pollutant Discharge Elimination System (SPDES)

INDUSTRIAL APPLICATION FORM NY-2C

For New Permits and Permit Modifications to Discharge Industrial Wastewater and Storm Water

Section II - Outfall Information

Please type or print the requested information.

Facility Name: Willets Point Development Site	SPDES Number:

1. Outfall Number and Location

Outfall No.: 001		
Latitude 40° 45 ‘ 38 “	Longitude 73 ° 50 ‘ 45 “	Receiving Water Flushing Bay

2. Type of Discharge and Discharge Rate (List all information applicable to this outfall)

	Volume/Flow	Units MGD	Units GPM	Units Other (specify)		Volume/Flow	Units MGD	Units GPM	Units Other (specify)
a. Process Wastewater					f. Noncontact Cooling Water				
b. Process Wastewater					g. Remediation System Discharge	76.39		X	
c. Process Wastewater					h. Boiler Blowdown				
d. Process Wastewater					i. Storm Water				
e. Contact Cooling Water					j. Sanitary Wastewater				
k. Other discharge (specify):									
l. Other discharge (specify):									

3. List process information for the Process Wastewater streams identified in 2.a-d above:

a. Name of the process contributing to the discharge: Dewatering Treatment System			Process SIC code: | | | |
Describe the contributing process: Construction Dewatering of Groundwater	Category / Subcategory	Quantity per day: 110,000	Units of measure: Gallons
b. Name of the process contributing to the discharge:			Process SIC code: | | | |
Describe the contributing process:	Category / Subcategory	Quantity per day:	Units of measure:
c. Name of the process contributing to the discharge:			Process SIC code: | | | |
Describe the contributing process:	Category / Subcategory	Quantity per day:	Units of measure:
d. Name of the process contributing to the discharge:			Process SIC code: | | | |
Describe the contributing process:	Category / Subcategory	Quantity per day:	Units of measure:

4. Expected or Proposed Discharge Flow Rates for this outfall:

a. Total Annual Discharge	b. Daily Minimum Flow	c. Daily Average Flow	d. Daily Maximum Flow	e. Maximum Design flow rate
19.40 MG	0.053 MGD	0.106 MGD	0.11 MGD	0.144 MGD

INDUSTRIAL APPLICATION FORM NY-2C
Section II - Outfall Information

	Outfall No.: 001
Facility Name: Willets Point Development Site	SPDES Number:

5. Is this a seasonal discharge?

[ ] **YES -** Complete the following table.

[X] **NO** - Go to Item 6 below.

Operations contributing flow (list)	Discharge frequency		Flow				
	Batches per year	Duration per batch	Flow rate per day		Total volume per discharge	Units	Duration (Days)
			LTA	Daily Max			

6. Water Supply Source (indicate all that apply)

	Name or owner of water supply source	Volume or flow rate	Units (check one)		
Municipal Supply			MGD	GPD	GPM
Private Surface Water Source			MGD	GPD	GPM
Private Supply Well			MGD	GPD	GPM
Other (specify)	Shallow Groundwater	110,000	MGD	X GPD	GPM

7. Outfall configuration: (Surface water discharges only)

A. Where is the discharge point located with respect to the receiving water?

In the streambank:	[ ]	
In the stream:	[ ]	
Within a lake or ponded water:	[ ]	
Within an estuary:	[X]	Attach Supplement C, MIXING ZONE REQUIREMENTS FOR DISCHARGES TO ESTUARIES.
Discharge is equipped with diffuser:	[ ]	Attach description, including configuration and plan drawing of diffuser, if used.

B. If located in a stream, approximately what percentage of stream width from shore is the discharge point located?

10% [ ] **25%** [ ] **50%** [ ] **Other:** [ ]

C. If located in a stream, describe the stream geometry in the general vicinity of the discharge point, under low flow conditions:

Stream width	Stream depth	Stream velocity
Feet	**Feet**	**Feet/Sec**

Are the results of a mixing/diffusion study attached? [ ] **YES** [ ] **NO**

Section II - Outfall Information

Facility Name:	Outfall No.:
Willets Point Development Site	001
	SPDES Number:

8. Thermal Discharge Criteria

Is your facility one of the applicable types of facilities listed in the instructions, and does the temperature of this discharge exceed the receiving water temperature by greater than three (3) degrees Fahrenheit?

[ ] **YES -** Complete the following table.

[ ] **Information on the intake and discharge configuration of this outfall is attached**.

[X] **NO** - Go to Item 9. below.

Discharge Temperature, deg. F			Duration of maximum discharge temperature		Dates of maximum discharge temperature		Maximum flow rate	Discharge configuration (e.g. subsurface, surface, effluent diffuser, diffusion well, etc.)
Average change in temperature (delta T)	Maximum change in temperature (delta T)	Maximum temperature	hours per day	days per year	From	To	MGD	

9. Are any water treament chemicals or additives that are used by your facility subsequently discharged through this outfall?

[ ] **YES -** Complete the following table and complete pages 1 of 3 and 2 of 3 of Form WTCFX for each water treatment chemical listed.

[X] **NO** - Go to Item 10. below.

Manufacturer	WTC trade name	Manufacturer	WTC trade name

10. Has any biological test for acute or chronic toxicity been performed on this outfall or on the receiving water in relation to this outfall in the past three (3) years?

[ ] **YES -** Complete the following table.

[X] **NO** - Go to Item 11. on the following page.

Water tested	Purpose of test	Type of test	Chronic or Acute?	Subject species	Testing date(s)		Submitted? (Date)
					Start	Finish	

INDUSTRIAL APPLICATION FORM NY-2C
Section II - Outfall Information

	Outfall No.: 001
Facility Name: Willets Point Development Site	SPDES Number:

11. Is the discharge from this outfall treated to remove process wastes, water treatment additives, or other pollutants?

[X] **YES -** Complete the following table. Treatment codes are listed in Table 4.

[ ] **NO** - Go to Item 12 below.

Treatment process	Treatment Code(s)	Treatment used for the removal of:	Design Flow Rate (include units)
Settling Tanks	1-U	Total Solids	110,000 gpd
Oil/water separator	6-A	Petroleum	100 gpm
Bag filters / filtration	1-N	Total Solids and Adsorbed Chemicals	100 gpm
Carbon Adsorption	2-A	Organics	100 gpm

12. Does this facility have either a compliance agreement with a regulating agency, or have planned changes in production, which will materially alter the quantity and/or quality of the discharge from this outfall?

[ ] **YES -** Complete the following table.

[X] **NO** - Go to Section III on the following page.

Description of project	Subject to Condition or Agreement in existing permit or consent order? (List)	Change due to production increase?	Completion Date(s)	
			Required	Projected

This completes Section II of the SPDES Industrial Application Form NY-2C. Section I, which requires general information regarding your facility, and Section III, which requires sampling information for each of the outfalls at your facility, must also be completed and submitted with this application.

INDUSTRIAL APPLICATION FORM NY-2C
Section III - Sampling Information

Facility Name: Willets Point Development Site	SPDES No.:	**Outfall No.:** 001

1. Sampling Information - Conventional Parameters

Provide the analytical results of at least one analysis for every pollutant in this table. If this outfall is subject to a waiver as listed in Table 5 of the instructions for one or more of the parameters listed below, provide the results for those parameters which are required for this type of outfall.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (using the same format) instead of completing this page.

Pollutant	Effluent data							Units		Intake data (optional)		
	a. Maximum daily value		b. Maximum 30 day value		c. Long term average		d. Number of analyses	a. Concentration	b. Mass	a. Long term average value		b. Number of analyses
	1. Concentration	2. Mass	1. Concentration	2. Mass	1. Concentration	2. Mass				1. Concentration	2. Mass	
a. Biochemical Oxygen Demand, 5 day (BOD)	SEE ATTACHED LABORATORY DATA											
b. Chemical Oxygen Demand (COD)												
c. Total Suspended Solids (TSS)												
d. Total Dissolved Solids (TDS)												
e. Oil & Grease												
f. Chlorine, Total Residual (TRC)												
g. Total Organic Nitrogen (TON)												
h. Ammonia (as N)												
i. Flow	Value		Value		Value					Value		
j. Temperature, winter	Value		Value		Value					Value		
k. Temperature, summer	Value		Value		Value					Value		
l. pH	Minimum	Maximum	Minimum	Maximum						Minimum	Maximum	

2. Sampling Information - Priority Pollutants, Toxic Pollutants, and Hazardous Substances

a. Primary Industries:

i. Does the discharge from this outfall contain process wastewater?

	Yes - Go to Item **ii.** below.
X	**No** - Go to Item **b.** below.

ii. Indicate which GC/MS fractions have been tested for: Volatiles: [ ] Acid: [ ] Base/Neutral: [ ] Pesticide: [ ]

b. All applicants:

i. Do you know or have reason to believe that any of the pollutants listed in Tables 6, 7, or 8 of the instructions are present in the discharge from this outfall?

X	**Yes** - Concentration and mass data attached.
	No - Go to Item **ii.** below.

ii. Do you know or have reason to believe that any of the pollutants listed in Table 9 or Table 10 of the instructions, or any other toxic, harmful, or injurious chemical substances not listed in Tables 6-10, are present in the discharge from this outfall?

	Yes - Source or reason for presence in discharge attached
	Yes - Quantitative or qualitative data attached
X	**No**

INDUSTRIAL APPLICATION FORM NY-2C
Section III - Sampling Information

Facility Name:	SPDES No.:	**Outfall No.:**
Willets Point Development Site		001

3. Projected Effluent Quality - Priority Pollutants, Toxic Pollutants, and Hazardous Substances

Provide analytical results of at least one analysis for each pollutant that you know or have reason to believe is present in this discharge, as well as for any GC/MS fractions and metals required to be sampled from Section III Forms, Item 2.a on the preceding page.

List the name and CAS number for each pollutant that you know or have reason to believe is present in the discharge from this outfall. For each pollutant listed from Tables 6, 7, or 8, provide the results of at least one analysis for that pollutant, and determine the mass discharge based on the flow rate reported in Item 1.i. For each pollutant listed from Table 9, or any other toxic pollutant not listed in Tables 6-10, you must provide concentration and mass data (if available) and/or an explanation for their presence in the discharge. Make as many copies of this table as necessary for each outfall.

Page of

Pollutant and CAS Number	Effluent data							Units		Intake data (optional)			Believed present, no sampling results available
	a. Maximum daily value		b. Maximum 30 day value *(if available)*		c. Long term average value *(if available)*		d. Number of analyses	a. Concentration	b. Mass	a. Long term average value		d. Number of analyses	
	(1)Concentration	(2) Mass	(1)Concentration	(2) Mass	(1)Concentration	(2) Mass				(1)Concentration	(2) Mass		
CAS Number:	SEE ATTACHED LABORATORY DATA												
CAS Number:													
CAS Number:													
CAS Number:													
CAS Number:													
CAS Number:													
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CAS Number:													
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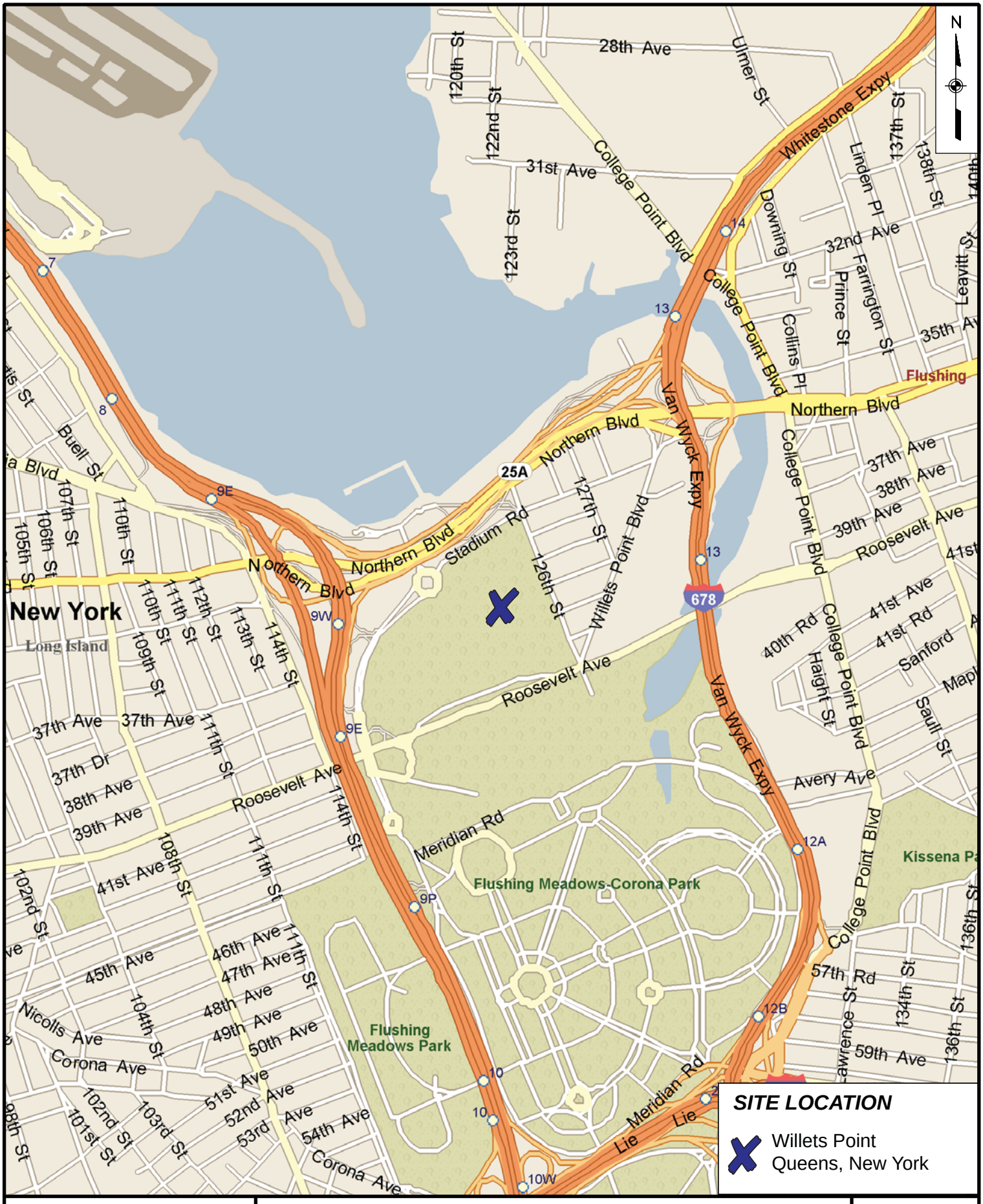
CAS Number:													
CAS Number:													

INDUSTRIAL APPLICATION FORM NY-2C
Section III - Sampling Information

Facility Name: Willets Point Development Site	SPDES No.:	**Outfall No.:** 001

4. Existing Effluent Quality - Priority Pollutants, Toxic Pollutants, and Hazardous Substances
Provide analytical results for the last three (3) years for each pollutant that you know or have reason to believe present in this discharge from this outfall, as well as for any GC/MS fractions and metals required to be sampled from Section III Forms, Item 2.a for this discharge.

Make as many copies of this table as necessary for each outfall. You can list the results from 24 sampling dates on each copy of this page.		Parameter name:	Parameter name:	Parameter name:	Parameter name:	Parameter name:	Parameter name:	Parameter name:
Page Of		CAS Number:	CAS Number:	CAS Number:	CAS Number:	CAS Number:	CAS Number:	CAS Number:
Date	Flow rate	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
	Units:	Units:	Units:	Units:	Units:	Units:	Units:	Units:
NOT APPLICABLE								



SITE LOCATION

Willets Point
Queens, New York

LiRo-Engineers, Inc.
3 Aerial Way
Syosset, New York

SITE LOCATION MAP

FIGURE NO.

1

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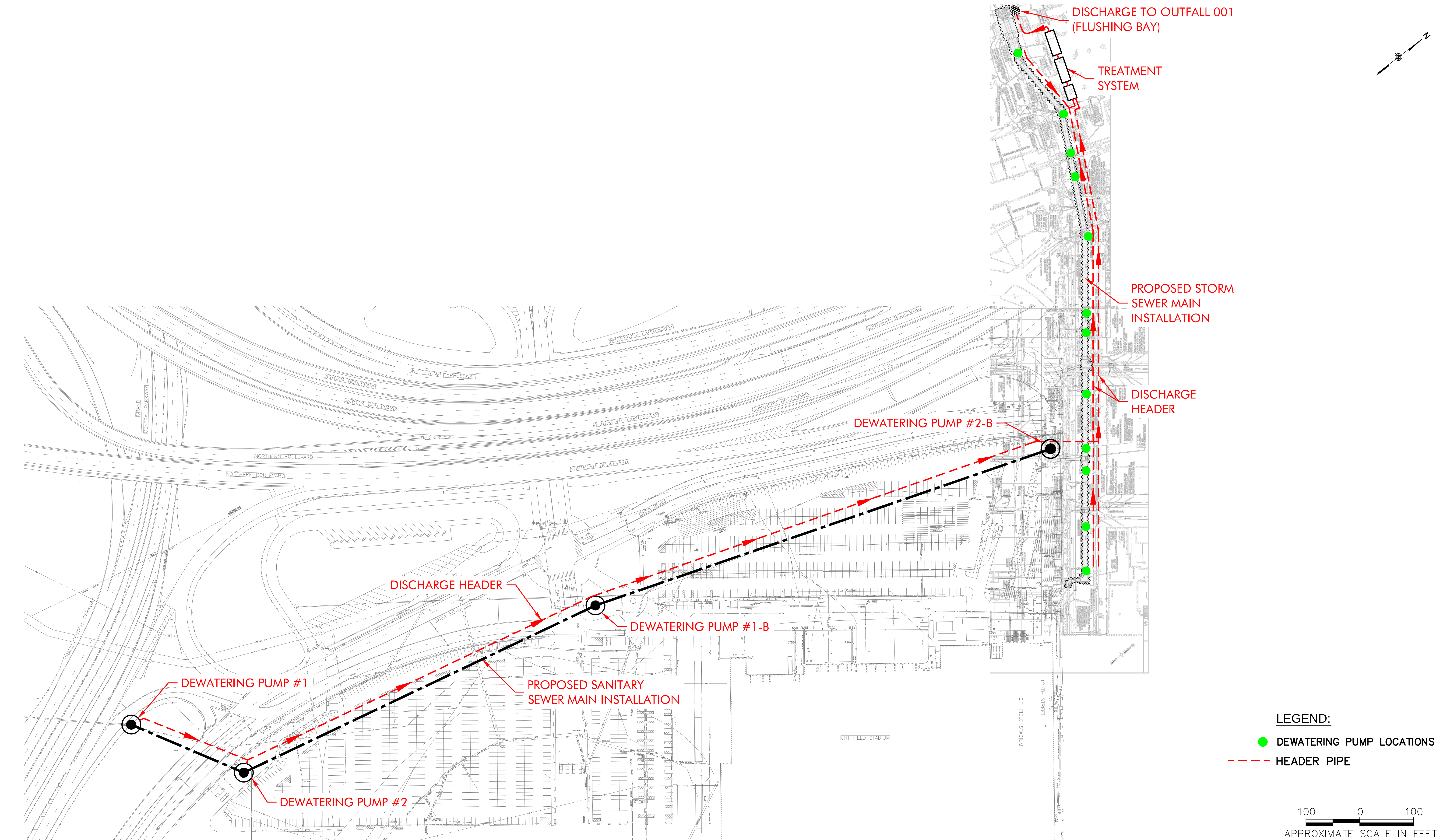


WARNING

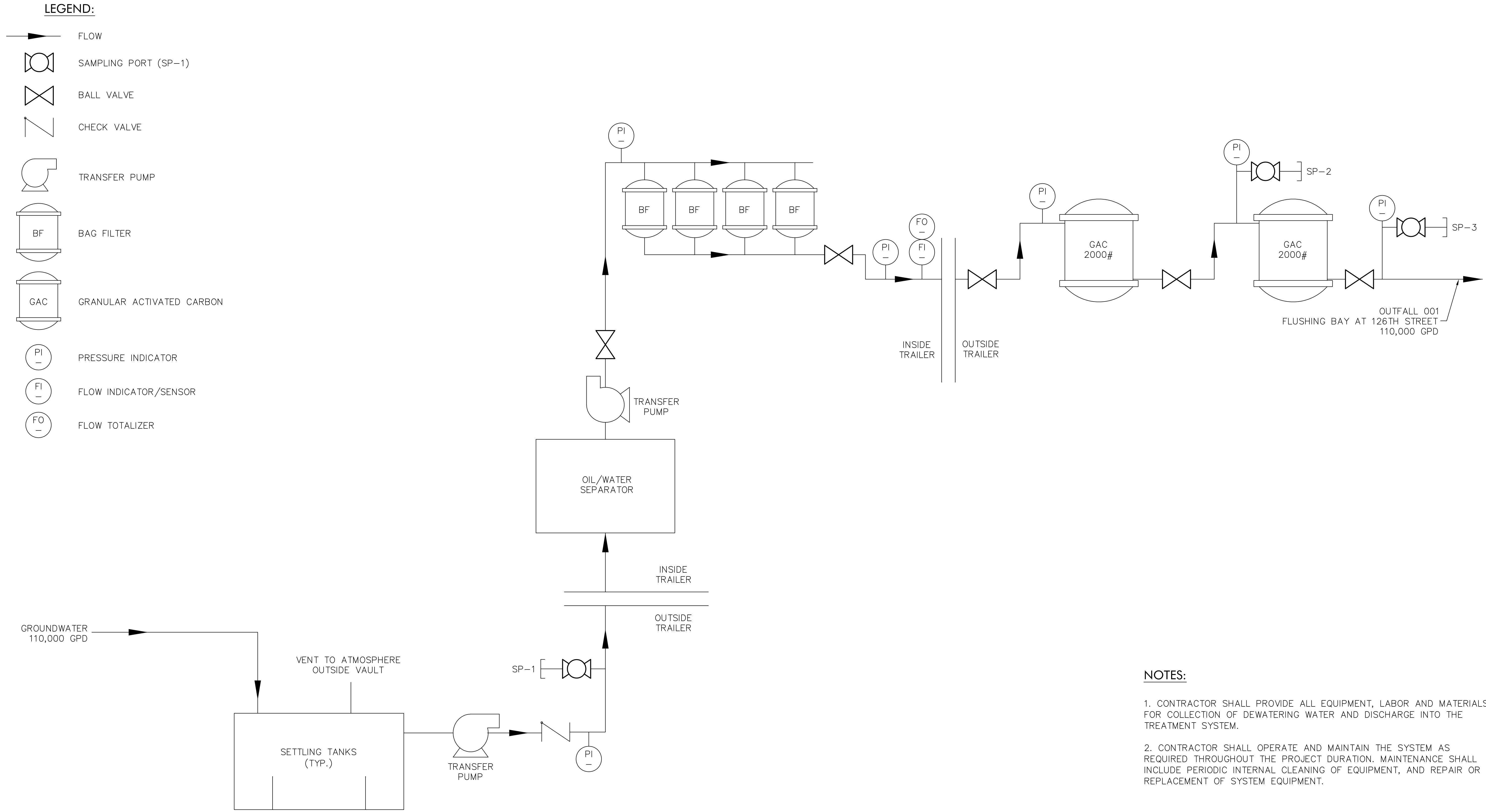
IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN THOSE WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NO.	DATE	DESCRIPTION

REVISIONS

LiRo Engineers, Inc.
Three Aerial Way
Syosset, New York

PROJ. ENG.:	CLIENT: CRUZ Contractors LLC	JOB TITLE AND LOCATION: PROPOSED WILLETS POINT STORM AND SANITARY SEWER MAIN WILLETS POINT DEVELOPMENT PLAN QUEENS, NEW YORK	LIRO JOB NO.: 11-69-0693
DESIGNED BY:			SHEET OF
CHECKED BY:		DRAWING TITLE: MAP OF FACILITY AND DISCHARGE LOCATION	FIGURE NO. 2
DRAWN BY:	DATE: SEPTEMBER 2011	SCALE: NONE	



NOTES:

1. CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, LABOR AND MATERIALS FOR COLLECTION OF DEWATERING WATER AND DISCHARGE INTO THE TREATMENT SYSTEM.

2. CONTRACTOR SHALL OPERATE AND MAINTAIN THE SYSTEM AS REQUIRED THROUGHOUT THE PROJECT DURATION. MAINTENANCE SHALL INCLUDE PERIODIC INTERNAL CLEANING OF EQUIPMENT, AND REPAIR OR REPLACEMENT OF SYSTEM EQUIPMENT.

NO.	DATE	DESCRIPTION

REVISIONS

LiRo Engineers, Inc.
Three Aerial Way
Syosset, New York

PROJ. ENG.:	
DESIGNED BY:	
CHECKED BY:	
DRAWN BY:	
CLIENT:	CRUZ Contractors LLC
DATE:	SEPTEMBER 2011
SCALE:	NONE
JOB TITLE AND LOCATION:	PROPOSED WILLETS POINT STORM AND SANITARY SEWER MAIN WILLETS POINT DEVELOPMENT PLAN QUEENS, NEW YORK
DRAWING TITLE:	WATER FLOW DIAGRAM
LIRO JOB NO.:	11-69-0693
SHEET OF	
FIGURE NO.	3

TABLE 1
Water Sample Analytical Summary
Willets Points, Queens, New York

SAMPLE ID	New York T.O.G.S. AWQS	New York T.O.G.S. AWQS I/SB	Units	126-07		126-G9		GW-4	
SAMPLING DATE				1/25/2011		3/18/2011		1/7/2011	
LAB ID				1101206-01		L1103624-01		1101049-14	
WATER MATRIX				Water	Q	Water	Q	Water	Q
Total Metals									
Aluminum	0.1		mg/L	**7.9**	QM-07	NA		**1.18**	
Barium	1		mg/L	**1.04**		NA		**1.2**	
Calcium	-		mg/L	126	QM-07	NA		165	
Copper	0.2		mg/L	0.012	B	NA		0.005	B
Iron	0.3		mg/L	**40.4**	QM-07	NA		**32**	
Magnesium	35		mg/L	**46.9**	QM-07	NA		**70.8**	
Manganese	0.3		mg/L	**0.86**		NA		0.273	
Molybdenum, Total	-		mg/L	NA		0.01	J	NA	
Nickel	0.1		mg/L	0.023		NA		ND	
Potassium	-		mg/L	51.8	B, QM-07	NA		18.5	QB-01, B
Sodium	20	GA	mg/L	**311**	QM-07	NA		10.7	
Vanadium	0.014		mg/L	**0.019**		NA		0.006	
Zinc	0.066	I SB	mg/L	**0.099**		NA		0.033	B
Dissolved Metals				Not Analyzed		Not Analyzed			
Barium	1		mg/L					**1.13**	
Calcium	-		mg/L					160	
Copper	0.2		mg/L					0.004	B
Iron	0.3		mg/L					**24.8**	
Magnesium	35		mg/L					**68.3**	
Manganese	0.3		mg/L					0.227	
Potassium	-		mg/L					18.5	QB-01, B
Sodium	20		mg/L					8.47	
Zinc	0.066		mg/L					0.033	B
Volatile Organics Compounds				Not Detected		Not Detected			
Methyl-Tert-Butyl Ether	-		ug/L					1.36	
Semi-Volatile Organics Compounds						Not Analyzed			
Bis(2-ethylhexyl)phthalate	5		ug/L	**14.2**	VM			**14.3**	B
Di-n-butyl phthalate	50		ug/L	ND				9.09	
Naphthalene	10	SB I	ug/L	**43.3**	VM			6.06	
Pesticides				Not Detected		Not Analyzed		Not Detected	
Polychlorinated Biphenyls				Not Detected		Not Analyzed		Not Detected	
Classical Chemistry Parameters								Not Analyzed	
Ammonia as N	2		mg/L	**6.7**		NA			
Biochemical Oxygen Demand	-		mg/L O_2	12	B-01	NA			
cBOD	-		mg/L O_2	9		NA			
Chloride	250		mg/L	**398**		NA			
Coliform, Fecal	-		MPN	11		NA			
Flashpoint	-		°F	>200		>150			
Nitrate/Nitrite as N	10		mg/L	0.086		0.3			
Nitrate as N	10		mg/L	0.086		NA			
Non-Polar Material by EPA 1664	-		mg/l	ND		3.64	J		
Total Nitrogen	-		mg/L	8.06		NA			
Oil & Grease, Hem-Grav	-		mg/l	NA		7.7			
Organic Nitrogen	-		mg/L	1.27		NA			
pH	-		SU	6.71	I-02	6.6			
Total Settleable Solids	-		mL/L	0.2		1.5			
Total Solids	-		mg/L	1290		NA			
Total Suspended Solids	-		mg/L	424		160			
Total Kjeldahl Nitrogen as N	-		mg/L	7.97		NA			
Temperature	-		°F			75.2			
Field Measurements									
Field Temp			°C			16.7			
Field pH			SU			6.32			

NOTES
Only detected compounds are listed
NY TOGS - New York State Department of Environmental Conservation Technical & Operational Guidance Series
AWQS - Ambient Water Quality Standards
ND - Not detected
NA - Not analyzed
"-" No criteria
mg/L - Milligrams per liter
ug/L - Micrograms per liter
SU - Standard unit
deg F - Degrees Fahrenheit
B - The analyte was detected above the reporting limit in the associated method blank.
QM-08 Quality control samples indicate high bias, however the results are well below applicable limits and data was therefore accepted
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
B-01 The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.
Exceeds NY TOGS AWQS

ANALYTICAL CHEMISTS
AC Laboratory

59-01 Central Ave.
Farmingdale, NY 11735

Tel: (631) 414-7685
Fax: (631) 414-7688

February 07, 2011

Rick Hart
EPM, Inc.
1983 Marcus Avenue
Lake Sucess, NY 11042

RE: Willets Pt - 29061

Enclosed are the results of analyses for samples received by the laboratory on 01/25/11 10:55. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joseph P. Shaulys

ANALYTICAL CHEMISTS
Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
126-07	1101206-01	Groundwater	01/25/11 09:30	01/25/11 10:55

ANALYTICAL CHEMISTS
Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

126-07

1101206-01 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Aluminum	**7.90**	0.040	mg/L	MEM	01/31/11 18:42	EPA 200.7	QM-07
Antimony	<0.040	0.040	"	MEM	"	"	
Arsenic	<0.040	0.040	"	MEM	"	"	QM-08
Barium	**1.04**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Calcium	**126**	4.00	"	MEM	01/31/11 18:36	"	QM-07
Chromium	<0.020	0.020	"	MEM	01/31/11 18:42	"	
Cobalt	<0.008	0.008	"	MEM	"	"	
Copper	**0.012**	0.004	"	MEM	"	"	B
Iron	**40.4**	4.00	"	MEM	01/31/11 18:36	"	QM-07
Lead	<0.040	0.040	"	MEM	01/31/11 18:42	"	
Magnesium	**46.9**	4.00	"	MEM	01/31/11 18:36	"	QM-07
Manganese	**0.860**	0.004	"	MEM	01/31/11 18:42	"	
Mercury	<0.30	0.30	ug/L	MEM	01/27/11 15:51	EPA 245.1	
Nickel	**0.023**	0.020	mg/L	MEM	01/31/11 18:42	EPA 200.7	
Potassium	**51.8**	4.00	"	MEM	01/31/11 18:36	"	QM-07, B
Selenium	<0.020	0.020	"	MEM	01/31/11 18:42	"	
Silver	<0.020	0.020	"	MEM	"	"	
Sodium	**311**	10.0	"	MEM	01/31/11 18:36	"	QM-07
Thallium	<0.040	0.040	"	MEM	01/31/11 18:42	"	
Vanadium	**0.019**	0.004	"	MEM	"	"	
Zinc	**0.099**	0.020	"	MEM	"	"	
CN Total							
Cyanide, Total	<0.020	0.020	mg/L	JD	01/28/11 15:58	LT 10-204-00-1-X	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

ANALYTICAL CHEMISTS
AC Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

126-07

1101206-01 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Non-Polar Materials							
Non-Polar Material	<4.0	4.0	mg/L	HT	02/03/11 07:46	EPA 1664A	
VOA MS							
Benzene	<1.00	1.00	ug/L	VNS	01/25/11 16:55	EPA 624	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
2-Chloroethyl Vinyl Ether	<5.00	5.00	"	VNS	"	"	
Chloroform	<1.00	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.00	1.00	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.00	1.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
Tetrachloroethene	<1.00	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
Trichlorofluoromethane	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

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ANALYTICAL CHEMISTS
Laboratory

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Farmingdale, NY 11735
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Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

126-07

1101206-01 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Acenaphthene	<3.00	3.00	ug/L	VM	02/04/11 12:19	EPA 625	
Acenaphthylene	<3.00	3.00	"	VM	"	"	
Anthracene	<3.00	3.00	"	VM	"	"	
Benzidine	<10.0	10.0	"	VM	"	"	
Benzo (a) anthracene	<3.00	3.00	"	VM	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	VM	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	VM	"	"	
Benzo (a) pyrene	<3.00	3.00	"	VM	"	"	
Bis(2-chloroethoxy)methane	<4.00	4.00	"	VM	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	VM	"	"	
Bis(2-ethylhexyl)phthalate	**14.2**	5.00	"	VM	"	"	
4-Bromophenyl phenyl ether	<3.00	3.00	"	VM	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	VM	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	VM	"	"	
2-Chloronaphthalene	<3.00	3.00	"	VM	"	"	
2-Chlorophenol	<4.00	4.00	"	VM	"	"	
4-Chlorophenyl phenyl ether	<3.00	3.00	"	VM	"	"	
Chrysene	<3.00	3.00	"	VM	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	VM	"	"	
Di-n-butyl phthalate	<3.00	3.00	"	VM	"	"	
3,3'-Dichlorobenzidine	<3.00	3.00	"	VM	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	VM	"	"	
Diethyl phthalate	<3.00	3.00	"	VM	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	VM	"	"	
Dimethyl phthalate	<3.00	3.00	"	VM	"	"	
4,6-Dinitro-2-methylphenol	<5.00	5.00	"	VM	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	VM	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	VM	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	VM	"	"	
Fluoranthene	<3.00	3.00	"	VM	"	"	
Fluorene	<3.00	3.00	"	VM	"	"	
Hexachlorobenzene	<5.00	5.00	"	VM	"	"	
Hexachlorobutadiene	<3.00	3.00	"	VM	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

ANALYTICAL CHEMISTS
AC Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

126-07

1101206-01 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
SVOA MS							
Hexachlorocyclopentadiene	<3.00	3.00	ug/L	VM	02/04/11 12:19	EPA 625	
Hexachloroethane	<4.00	4.00	"	VM	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	VM	"	"	
Isophorone	<3.00	3.00	"	VM	"	"	
Naphthalene	**43.3**	4.00	"	VM	"	"	
Nitrobenzene	<5.00	5.00	"	VM	"	"	
2-Nitrophenol	<5.00	5.00	"	VM	"	"	
4-Nitrophenol	<3.00	3.00	"	VM	"	"	
N-Nitrosodimethylamine	<4.00	4.00	"	VM	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	VM	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	VM	"	"	
Pentachlorophenol	<3.00	3.00	"	VM	"	"	
Phenanthrene	<3.00	3.00	"	VM	"	"	
Phenol	<3.00	3.00	"	VM	"	"	
Pyrene	<3.00	3.00	"	VM	"	"	
1,2,4-Trichlorobenzene	<3.00	3.00	"	VM	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	VM	"	"	
Pesticides							
alpha-BHC	<0.100	0.100	ug/L	MEM	02/04/11 15:05	EPA 608	
beta-BHC	<0.100	0.100	"	MEM	"	"	
Aldrin	<0.100	0.100	"	MEM	"	"	
gamma-BHC (Lindane)	<0.100	0.100	"	MEM	"	"	
Heptachlor	<0.100	0.100	"	MEM	"	"	
Heptachlor epoxide	<0.100	0.100	"	MEM	"	"	
delta-BHC	<0.100	0.100	"	MEM	"	"	
Endosulfan I	<0.500	0.500	"	MEM	"	"	
Endosulfan II	<0.500	0.500	"	MEM	"	"	
Endosulfan sulfate	<0.500	0.500	"	MEM	"	"	
Endrin	<0.500	0.500	"	MEM	"	"	
Endrin aldehyde	<0.500	0.500	"	MEM	"	"	
Endrin ketone	<0.500	0.500	"	MEM	"	"	
4,4'-DDD	<0.500	0.500	"	MEM	"	"	
4,4'-DDE	<0.500	0.500	"	MEM	"	"	
4,4'-DDT	<0.500	0.500	"	MEM	"	"	
Methoxychlor	<1.00	1.00	"	MEM	"	"	

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

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ANALYTICAL CHEMISTS
Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

126-07

1101206-01 (Water)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Analytical Chemists Laboratory, LLC.							
Pesticides							
Dieldrin	<0.500	0.500	ug/L	MEM	02/04/11 15:05	EPA 608	
Chlordane (technical)	<1.00	1.00	"	MEM	"	"	
Toxaphene	0.00		"	MEM	"	"	
PCB							
Aroclor 1016	<4.00	4.00	ug/L	MEM	02/04/11 13:55	EPA 608	
Aroclor 1221	<4.00	4.00	"	MEM	"	"	
Aroclor 1232	<4.00	4.00	"	MEM	"	"	
Aroclor 1242	<4.00	4.00	"	MEM	"	"	
Aroclor 1248	<4.00	4.00	"	MEM	"	"	
Aroclor 1254	<4.00	4.00	"	MEM	"	"	
Aroclor 1260	<4.00	4.00	"	MEM	"	"	
Classical Chemistry Parameters							
Ammonia as N	**6.70**	0.250	mg/L	JD	01/26/11 16:32	LT 10-107-06-1-B	
Biochemical Oxygen Demand	**12**	2	mg/L O2	VNS	01/31/11 14:00	SM 5210 B	B-01
cBOD	**9**	2	"	VNS	01/31/11 14:04	"	B-01
Chloride	**398**	10.0	mg/L	MEM	02/03/11 22:17	EPA 300.0	
Coliform, Fecal	**11**	2	MPN	SUB	01/25/11 12:45	M9221 BC	
Flashpoint	>200		°F	HT	02/01/11 07:39	SW 1010	
Nitrite as N	<0.025	0.025	mg/L	JD	01/26/11 13:23	LT10-107-04-1-A	
Nitrate/Nitrite as N	**0.086**	0.035	"	JD	01/25/11 14:41	LT 10-107-04-1-A	
Nitrate as N	**0.086**	0.035	"	JD	01/26/11 13:23	SM 4500-N	
Total Nitrogen	**8.06**	1.20	"	JD	02/01/11 12:36	"	
Organic Nitrogen	**1.27**	1.20	"	JD	"	"	
pH	**6.71**		pH Units	MEM	01/25/11 10:55	SM 4500-H B	I-02
Total Settleable Solids	**0.200**	0.100	mL/L	MEM	01/26/11 11:30	SM 2540 F	
Total Solids	**1290**	25.0	mg/L	JD	02/01/11 17:18	SM 2540 B	
Total Suspended Solids	**424**	10.0	"	JD	01/28/11 16:38	SM 2540 D	
Total Kjeldahl Nitrogen (as N)	**7.97**	1.20	"	JD	02/01/11 12:36	LT 10-107-06-2-E	

Fecal Coliform analyzed by
NYSDOH Lab ID #10478.

Analytical Chemists Laboratory, LLC.

Joseph P. Shaulys

ANALYTICAL CHEMISTS
Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/07/11 14:58

Notes and Definitions

Z-01	>200
QM-08	Quality control samples indicate high bias, however the results are well below applicable limits and data was therefore accepted.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
I-02	This sample was received outside of the EPA recommended holding time.
B-01	The sample dilutions set-up for the BOD analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.
B	Analyte is found in the associated blank as well as in the sample.
SM	Standard Methods for the Examination of Water and Wastewater, 18th edition.
EPA	40 Code of Federal Regulations, Part 136, October 26, 1984.
SW	SW 846 3rd Edition.
LT	Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004.
dry	Sample results reported on a dry weight basis.

pg 1 of 1

CHAIN OF CUSTODY RECORD

ANALYTICAL CHEMISTS
Ac Laboratory
59-01 Central Ave. * Farmindale, NY 11735
Tel: (631) 414-7685 * Fax: (631) 414-7688
Info@achemlabs.com * www.achemlabs.com
NYSDOH #10950 NJDEP #NY006 USEPA #NY01292

Client Name: EPM Inc
Address: 1983 Marcus Ave
City/State/Zip: Lake Success, NY 11042
Telephone No.: 516-328-1194 Fax 516-328-1381

Report To: Rich Hart Rhart@epmco.com
P.O. Number: 29061
Project ID: Willets Point
Results Needed: Standard TAT (Rush T/A Only)

Matrix Codes: W-Water, WW-Wastewater, GW-Groundwater, S-Soil, SL-Sludge, SD-Solid, O-Oil, P-Paint Chips, WP-Wipe

Preservative Code: N-Nitric Acid, S-Sulfuric Acid, H-Hydrochloric Acid, SA-Sodium Hydroxide/Ascorbic Acid

Sample ID / Description	Date Sampled	Time Sampled	Matrix Code	Grab	Composite	# of containers: Plastic Bottles	Glass Jar	VOA Vial	Plastic Bag	Other (specify):	Analyze For: VOCs 624 (HCl)	SVOCs 625	PCBs 608	TAL Metals (Sec. 7/245.1) (N)	Total Petroleum Hydrocarbons (1664)	Flashpoint, Total Solids	Total Suspended Solids	Total Dissolved Solvents (TDS) Carbonaceous Biochem Oxygen Demand	Total Nitrogen, Nitrate, Nitrite, Total Kjeldahl Nitrogen	Chloride	Fecal Coliform Bacteria
											Preservative Code in this space										
126-07	1/25/11	9:30	GW	—	—	10	10	4	—	—	X	X	X	X	X	X	X	X	X	X	

Special Instructions:
* 6 hour holding time (maximum) for Fecal Coliform *

Sampled by:	Date	Time	Received by:	Date	Time
S. Cherepany	1/25/11	9:30			
Relinquished by:	**Date**	**Time**	**Received by:**	**Date**	**Time**
S. Cherepany	1/25/11				
Relinquished by:	**Date**	**Time**	**Received by:**	**Date**	**Time**
				1/25/11	10:55

Laboratory Comments:

Temperature Upon Receipt:	7.4
Samples Received On Ice?	(Y) N
Sample Containers Intact?	(Y) N
Samples Properly Preserved?	(Y) N
VOCs Free of Headspace?	(Y) N

ANALYTICAL CHEMISTS

59-01 Central Ave.
Farmingdale, NY 11735

Tel: (631) 414-7685
Fax: (631) 414-7688

February 08, 2011

Rick Hart
EPM, Inc.
1983 Marcus Avenue
Lake Sucess, NY 11042

RE: Willets Pt - 29061

Enclosed are the results of analyses for samples received by the laboratory on 01/07/11 14:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joseph P. Shaulys

Joseph P. Shaulys

Analytical Chemists Laboratory, LLC
NY Lab ID #10950 NJ Lab ID #NY006 PA Lab ID #PA-68-04671 EPA Lab ID #NY01292

ANALYTICAL CHEMISTS

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B-6 (0-2)	1101049-02	Soil	01/06/11 09:55	01/07/11 14:10
B-6 (5-10)	1101049-03	Soil	01/06/11 10:15	01/07/11 14:10
B-6 (10-15)	1101049-04	Soil	01/06/11 10:20	01/07/11 14:10
GW-6	1101049-05	Groundwater	01/06/11 11:35	01/07/11 14:10
B-17 (0-2)	1101049-06	Soil	01/06/11 13:15	01/07/11 14:10
B-17 (5-10)	1101049-07	Soil	01/06/11 13:30	01/07/11 14:10
B-17 (10-15)	1101049-08	Soil	01/06/11 13:40	01/07/11 14:10
B-3 (0-2)	1101049-09	Soil	01/07/11 09:00	01/07/11 14:10
B-3 (5-10)	1101049-10	Soil	01/07/11 09:20	01/07/11 14:10
B-4 (0-2)	1101049-11	Soil	01/07/11 10:35	01/07/11 14:10
B-4 (5-10)	1101049-12	Soil	01/07/11 11:15	01/07/11 14:10
B-4 (15-20)	1101049-13	Soil	01/07/11 11:40	01/07/11 14:10
GW-4	1101049-14	Groundwater	01/07/11 13:15	01/07/11 14:10
Trip Blank-1	1101049-15	Water	01/06/11 08:00	01/07/11 14:10

ANALYTICAL CHEMISTS
Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

GW-4

1101049-14 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Total Metals							
Aluminum	**1.18**	0.040	mg/L	MEM	01/10/11 16:52	SW 6010B	
Antimony	<0.040	0.040	"	MEM	"	"	
Arsenic	<0.040	0.040	"	MEM	"	"	
Barium	**1.20**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Calcium	**165**	0.400	"	MEM	01/11/11 13:51	"	
Chromium	<0.020	0.020	"	MEM	01/10/11 16:52	"	
Cobalt	<0.008	0.008	"	MEM	"	"	
Copper	**0.005**	0.004	"	MEM	"	"	B
Iron	**32.0**	0.400	"	MEM	01/11/11 13:51	"	
Lead	<0.040	0.040	"	MEM	01/10/11 16:52	"	
Magnesium	**70.8**	0.400	"	MEM	01/11/11 13:51	EPA 6010B	
Manganese	**0.273**	0.004	"	MEM	01/10/11 16:52	SW 6010B	
Mercury	<0.30	0.30	ug/L	MEM	01/10/11 14:03	SW 7470A	
Nickel	<0.010	0.010	mg/L	MEM	01/10/11 16:52	SW 6010B	
Potassium	**18.5**	0.040	"	MEM	"	"	QB-01, B
Selenium	<0.020	0.020	"	MEM	"	"	
Silver	<0.020	0.020	"	MEM	"	"	
Sodium	**10.7**	0.100	"	MEM	"	"	
Thallium	<0.040	0.040	"	MEM	"	"	
Vanadium	**0.006**	0.004	"	MEM	"	"	
Zinc	**0.033**	0.020	"	MEM	"	"	B
Dissolved Metals							
Aluminum	<0.040	0.040	mg/L	MEM	01/10/11 16:46	SW 6010B	
Antimony	<0.040	0.040	"	MEM	"	"	
Arsenic	<0.040	0.040	"	MEM	"	"	
Barium	**1.13**	0.004	"	MEM	"	"	
Beryllium	<0.004	0.004	"	MEM	"	"	
Cadmium	<0.020	0.020	"	MEM	"	"	
Calcium	**160**	0.400	"	MEM	01/11/11 13:45	"	
Chromium	<0.020	0.020	"	MEM	01/10/11 16:46	"	
Cobalt	<0.008	0.008	"	MEM	"	"	
Copper	**0.004**	0.004	"	MEM	"	"	B
Iron	**24.8**	0.400	"	MEM	01/11/11 13:45	"	
Lead	<0.040	0.040	"	MEM	01/10/11 16:46	"	

Analytical Chemists Laboratory, LLC.

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EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

GW-4

1101049-14 (Water)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Analytical Chemists Laboratory, LLC.							
Dissolved Metals							
Magnesium	**68.3**	0.400	mg/L	MEM	01/11/11 13:45	SW 6010B	
Manganese	**0.227**	0.004	"	MEM	01/10/11 16:46	"	
Mercury	<0.30	0.30	ug/L	MEM	01/10/11 14:01	SW 7470A	
Nickel	<0.010	0.010	mg/L	MEM	01/10/11 16:46	SW 6010B	
Potassium	**18.5**	0.040	"	MEM	"	"	QB-01, B
Selenium	<0.020	0.020	"	MEM	01/10/11 16:52	"	
Silver	<0.020	0.020	"	MEM	01/10/11 16:46	"	
Sodium	**8.47**	0.100	"	MEM	"	"	
Thallium	<0.040	0.040	"	MEM	"	"	
Vanadium	<0.004	0.004	"	MEM	"	"	
Zinc	**0.033**	0.020	"	MEM	"	"	B
VOA MS							
Benzene	<1.00	1.00	ug/L	VNS	01/14/11 10:42	SW 8260B	
Bromobenzene	<2.00	2.00	"	VNS	"	"	
Bromochloromethane	<1.00	1.00	"	VNS	"	"	
Bromodichloromethane	<5.00	5.00	"	VNS	"	"	
Bromoform	<1.00	1.00	"	VNS	"	"	
Bromomethane	<2.00	2.00	"	VNS	"	"	
sec-Butylbenzene	<1.00	1.00	"	VNS	"	"	
n-Butylbenzene	<1.00	1.00	"	VNS	"	"	
tert-Butylbenzene	<1.00	1.00	"	VNS	"	"	
Carbon Tetrachloride	<2.00	2.00	"	VNS	"	"	
Chlorobenzene	<1.00	1.00	"	VNS	"	"	
Chloroethane	<2.00	2.00	"	VNS	"	"	
Chloroform	<1.00	1.00	"	VNS	"	"	
Chloromethane	<2.00	2.00	"	VNS	"	"	
2-Chlorotoluene	<2.00	2.00	"	VNS	"	"	
4-Chlorotoluene	<2.00	2.00	"	VNS	"	"	
1,2-Dibromo-3-chloropropane	<2.00	2.00	"	VNS	"	"	
Dibromochloromethane	<5.00	5.00	"	VNS	"	"	
1,2-Dibromoethane	<2.00	2.00	"	VNS	"	"	
Dibromomethane	<1.00	1.00	"	VNS	"	"	
1,2-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,3-Dichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,4-Dichlorobenzene	<1.00	1.00	"	VNS	"	"	

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EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

GW-4

1101049-14 (Water)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Analytical Chemists Laboratory, LLC.							
VOA MS							
Dichlorodifluoromethane	<1.00	1.00	ug/L	VNS	01/14/11 10:42	SW 8260B	
1,1-Dichloroethane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloroethane	<1.00	1.00	"	VNS	"	"	
1,1-Dichloroethene	<1.00	1.00	"	VNS	"	"	
cis-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
trans-1,2-Dichloroethene	<1.00	1.00	"	VNS	"	"	
1,3-Dichloropropane	<1.00	1.00	"	VNS	"	"	
2,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
1,2-Dichloropropane	<2.00	2.00	"	VNS	"	"	
trans-1,3-Dichloropropene	<1.00	1.00	"	VNS	"	"	
1,1-Dichloropropene	<2.00	2.00	"	VNS	"	"	
cis-1,3-Dichloropropene	<1.00	1.00	"	VNS	"	"	
Ethylbenzene	<2.00	2.00	"	VNS	"	"	
Hexachlorobutadiene	<1.00	1.00	"	VNS	"	"	
Isopropylbenzene	<2.00	2.00	"	VNS	"	"	
4-Isopropyltoluene	<1.00	1.00	"	VNS	"	"	
Methyl-tert-Butyl Ether	**1.36**	1.00	"	VNS	"	"	
Methylene Chloride	<10.0	10.0	"	VNS	"	"	
n-Propylbenzene	<2.00	2.00	"	VNS	"	"	
Styrene	<1.00	1.00	"	VNS	"	"	
1,1,2,2-Tetrachloroethane	<2.00	2.00	"	VNS	"	"	
1,1,1,2-Tetrachloroethane	<1.00	1.00	"	VNS	"	"	
Tetrachloroethene	<1.00	1.00	"	VNS	"	"	
Toluene	<1.00	1.00	"	VNS	"	"	
1,2,4-Trichlorobenzene	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichlorobenzene	<2.00	2.00	"	VNS	"	"	
1,1,1-Trichloroethane	<1.00	1.00	"	VNS	"	"	
1,1,2-Trichloroethane	<2.00	2.00	"	VNS	"	"	
Trichloroethene	<1.00	1.00	"	VNS	"	"	
Trichlorofluoromethane	<1.00	1.00	"	VNS	"	"	
1,2,3-Trichloropropane	<5.00	5.00	"	VNS	"	"	
1,2,4-Trimethylbenzene	<1.00	1.00	"	VNS	"	"	
1,3,5-Trimethylbenzene	<1.00	1.00	"	VNS	"	"	
Vinyl chloride	<5.00	5.00	"	VNS	"	"	
m,p-Xylene	<2.00	2.00	"	VNS	"	"	
o-Xylene	<1.00	1.00	"	VNS	"	"	

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ANALYTICAL CHEMISTS
Ac Laboratory

59-01 Central Ave.
Farmingdale, NY 11735
Tel: (631) 414-7685
Fax: (631) 414-7688

EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

GW-4

1101049-14 (Water)

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Analytical Chemists Laboratory, LLC.							
SVOA MS							
Acenaphthene	<3.00	3.00	ug/L	vm	01/25/11 02:48	SW 8270C	
Acenaphthylene	<3.00	3.00	"	vm	"	"	
Anthracene	<3.00	3.00	"	vm	"	"	
Benzo (a) anthracene	<3.00	3.00	"	vm	"	"	
Benzo (a) pyrene	<3.00	3.00	"	vm	"	"	
Benzo (b) fluoranthene	<3.00	3.00	"	vm	"	"	
Benzo (g,h,i) perylene	<3.00	3.00	"	vm	"	"	
Benzo (k) fluoranthene	<3.00	3.00	"	vm	"	"	
4-Bromophenyl phenyl ether	<3.00	3.00	"	vm	"	"	
Butyl benzyl phthalate	<4.00	4.00	"	vm	"	"	
4-Chloro-3-methylphenol	<3.00	3.00	"	vm	"	"	
4-Chloroaniline	<3.00	3.00	"	vm	"	"	
Bis(2-chloroethoxy)methane	<4.00	4.00	"	vm	"	"	
Bis(2-chloroethyl)ether	<4.00	4.00	"	vm	"	"	
Bis(2-chloroisopropyl)ether	<4.00	4.00	"	vm	"	"	
2-Chloronaphthalene	<3.00	3.00	"	vm	"	"	
2-Chlorophenol	<4.00	4.00	"	vm	"	"	
4-Chlorophenyl phenyl ether	<3.00	3.00	"	vm	"	"	
Chrysene	<3.00	3.00	"	vm	"	"	
Dibenz (a,h) anthracene	<3.00	3.00	"	vm	"	"	
Dibenzofuran	<3.00	3.00	"	vm	"	"	
Di-n-butyl phthalate	**9.09**	3.00	"	vm	"	"	
1,4-Dichlorobenzene	<3.00	3.00	"	vm	"	"	
1,2-Dichlorobenzene	<3.00	3.00	"	vm	"	"	
1,3-Dichlorobenzene	<3.00	3.00	"	vm	"	"	
2,4-Dichlorophenol	<3.00	3.00	"	vm	"	"	
Diethyl phthalate	<3.00	3.00	"	vm	"	"	
2,4-Dimethylphenol	<10.0	10.0	"	vm	"	"	
Dimethyl phthalate	<3.00	3.00	"	vm	"	"	
4,6-Dinitro-2-methylphenol	<5.00	5.00	"	vm	"	"	
3,3´-Dichlorobenzidine	<3.00	3.00	"	vm	"	"	
2,4-Dinitrophenol	<6.00	6.00	"	vm	"	"	
2,4-Dinitrotoluene	<3.00	3.00	"	vm	"	"	
2,6-Dinitrotoluene	<3.00	3.00	"	vm	"	"	
Di-n-octyl phthalate	<4.00	4.00	"	vm	"	"	
Bis(2-ethylhexyl)phthalate	**14.3**	5.00	"	vm	"	"	B

Analytical Chemists Laboratory, LLC.

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Laboratory

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Farmingdale, NY 11735
Tel: (631) 414-7685
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EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

GW-4

1101049-14 (Water)

Analytical Chemists Laboratory, LLC.

SVOA MS

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Fluoranthene	<3.00	3.00	ug/L	vm	01/25/11 02:48	SW 8270C	
Fluorene	<3.00	3.00	"	vm	"	"	
Hexachlorobenzene	<5.00	5.00	"	vm	"	"	
Hexachlorobutadiene	<3.00	3.00	"	vm	"	"	
Hexachlorocyclopentadiene	<3.00	3.00	"	vm	"	"	
Hexachloroethane	<4.00	4.00	"	vm	"	"	
Indeno (1,2,3-cd) pyrene	<3.00	3.00	"	vm	"	"	
Isophorone	<3.00	3.00	"	vm	"	"	
2-Methylnaphthalene	<3.00	3.00	"	vm	"	"	
2-Methylphenol	<4.00	4.00	"	vm	"	"	
3 & 4-Methylphenol	<5.00	5.00	"	vm	"	"	
Naphthalene	**6.06**	4.00	"	vm	"	"	
2-Nitroaniline	<4.00	4.00	"	vm	"	"	
4-Nitroaniline	<3.00	3.00	"	vm	"	"	
3-Nitroaniline	<3.00	3.00	"	vm	"	"	
Nitrobenzene	<5.00	5.00	"	vm	"	"	
4-Nitrophenol	<3.00	3.00	"	vm	"	"	
2-Nitrophenol	<5.00	5.00	"	vm	"	"	
N-Nitrosodiphenylamine	<5.00	5.00	"	vm	"	"	
N-Nitrosodi-n-propylamine	<5.00	5.00	"	vm	"	"	
Pentachlorophenol	<3.00	3.00	"	vm	"	"	
Phenanthrene	<3.00	3.00	"	vm	"	"	
Phenol	<3.00	3.00	"	vm	"	"	
Pyrene	<3.00	3.00	"	vm	"	"	
1,2,4-Trichlorobenzene	<3.00	3.00	"	vm	"	"	
2,4,5-Trichlorophenol	<3.00	3.00	"	vm	"	"	
2,4,6-Trichlorophenol	<3.00	3.00	"	vm	"	"	

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EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	02/03/11 14:07

GW-4

1101049-14 (Water)

Analytical Chemists Laboratory, LLC.

Analyte	Result	Reporting Limit	Units	Analyst	Analyzed	Method	Qualifier
Pesticides							
alpha-BHC	<0.10	0.10	ug/L	VM	01/17/11 14:57	SW 8081	
alpha-Chlordane	<0.10	0.10	"	VM	"	"	
beta-BHC	<0.10	0.10	"	VM	"	"	
Aldrin	<0.10	0.10	"	VM	"	"	
gamma-BHC (Lindane)	<0.10	0.10	"	VM	"	"	
gamma-Chlordane	<0.10	0.10	"	VM	"	"	
Heptachlor	<0.10	0.10	"	VM	"	"	
Heptachlor epoxide	<0.10	0.10	"	VM	"	"	
delta-BHC	<0.10	0.10	"	VM	"	"	
Endosulfan I	<0.50	0.50	"	VM	"	"	
Endosulfan II	<0.50	0.50	"	VM	"	"	
Endosulfan sulfate	<0.50	0.50	"	VM	"	"	
Endrin	<0.50	0.50	"	VM	"	"	
Endrin aldehyde	<0.50	0.50	"	VM	"	"	
Endrin ketone	<0.50	0.50	"	VM	"	"	
4,4'-DDD	<0.50	0.50	"	VM	"	"	
4,4'-DDE	<0.50	0.50	"	VM	"	"	
4,4'-DDT	<0.50	0.50	"	VM	"	"	
Methoxychlor	<1.00	1.00	"	VM	"	"	
Dieldrin	<0.50	0.50	"	VM	"	"	
Chlordane (technical)	<5.00	5.00	"	VM	"	"	
Toxaphene	<5.00	5.00	"	VM	"	"	
PCB							
Aroclor 1016	<4.00	4.00	ug/L	VM	01/17/11 19:26	SW 8082	
Aroclor 1221	<4.00	4.00	"	VM	"	"	
Aroclor 1232	<4.00	4.00	"	VM	"	"	
Aroclor 1242	<4.00	4.00	"	VM	"	"	
Aroclor 1248	<4.00	4.00	"	VM	"	"	
Aroclor 1254	<4.00	4.00	"	VM	"	"	
Aroclor 1260	<4.00	4.00	"	VM	"	"	

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EPM, Inc.	Project: Willets Pt - 29061	
1983 Marcus Avenue	Project Number: [none]	**Reported:**
Lake Sucess NY, 11042	Project Manager: Rick Hart	01/31/11 13:49

Notes and Definitions

S-AC	Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of remaining two acid surrogates.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QM-11	The recovery of spiked analytes in the LCS associated with the sample was above the QC limits. Reported results may be high biased.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QB-01	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
B	Analyte is found in the associated blank as well as in the sample.
SM	Standard Methods for the Examination of Water and Wastewater, 18th edition.
EPA	40 Code of Federal Regulations, Part 136, October 26, 1984.
SW	SW 846 3rd Edition.
LT	Lachat Method Manual, "*Methods List for Automated Ion Analyzers*" ,February 2004.
dry	Sample results reported on a dry weight basis.

Pg 1 of 3 EP 1101081

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info@achemlabs.com
www.achemlabs.com

CHAIN OF COUSTODY RECORD

Client: EPM, Inc.	Report to: Richard Hart
Address: 1983 Marcus Avenue, Ste 109	rhart@epm[illegible] / [illegible]
Lake Success, NY 11042	Results needed by: std
Tel: (516) 328-1194 Fax: (516) 328-1381	(Rush T/A only)

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292

This Area for Lab Use Only	Y	N	Work Order Number/Comments:
Samples received intact?	✓		
Samples properly preserved?	✓		
Samples ambient?		✓	
Rush turnaround requested?		✓	m, ce

Notes (including P.O. #): Willets Pt 29061
See attached Chain for Soil Vapor

Matrix Code: 1-water; 2-soil; 3-sludge; 4-oil; 5-wipe; 6-other

Sample Identification/ Description/Location	Containers #	Containers Type	Date	Time	Grab/ Composite	Matrix Code (see above)	Analysis Requested	NaOH + Ascorbic Acid	HNO3	H2SO4	HCl	None/Other
B-2 (0-2)	2	8oz Glass	1/10/11	8:15	Grab	2	VOCs 8260/SVOCs 8270/Pest 8081/PCBs 8082/TAL Metals					X
B-2 (5-10)	2	8oz Glass	1/10/11	8:50	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-2 (15-20)	2	8oz Glass	1/10/11	9:05	Grab	2	8260/8270/8081/8082/TAL Metals					X
SW-2	6	2 Amber 2 plastic 2 VOA	1/10/11	10:20	—	1	8260B/8270C/8081A/8082/Total+Diss. Metals		Met. X		VOA X	X
FB-1	6	2 Amber 2 VOA 2 plastic	1/10/11	10:30	—	1	8260B/8270C/8081A/8082/Total+Diss. Metals		Met. X		VOA X	X
Trip Blank 2	1	1 VOA	—	—	—	1	8260B				X	
SG-2	1	6-liter Summa	1/10/11	11:35-12:01	—	Soil Vapor	*See attached Chain for total* TO-3 TO-15					
SG-1	1	6-liter Summa	1/10/11	12:27-13:20	—	Soil Vapor	*See attached Chain of custody* TO-3 TO-15					
B-1 (0-2)	2	8oz Glass	1/10/11	12:55	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-1 (5-10)	2	8oz Glass	1/10/11	13:25	Grab	2	8260/8270/8081/8082/TAL Metals					X

COLLECTED BY: (PRINT NAME) Steve Cherepany 1/10/11	PROJECT NAME / DESCRIPTION: Willets Point 29061			
RELINQUISHED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE)	DATE:	TIME:	AM PM
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE:	TIME:	AM PM
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY LAB: (SIGNATURE) [signature]	DATE: 1/10/11	TIME: 2:15	AM PM (PM circled)

AC Laboratory ANALYTICAL CHEMISTS
59-01 Central Ave. Farmingdale, NY 11735
Tel: (631) 414-7685 Fax: (631) 414-7688
info@achemlabs.com
www.achemlabs.com

CHAIN OF CUSTODY RECORD

Client: EPM, Inc.	Report to: Richard Hart
Address: 1983 Marcus Avenue, Ste 109	rhart@epm...com / scherepany@epm...com
Lake Success, NY 11042	Results needed by: (Rush T/A only) Std
Tel: (516) 328-1194 Fax: (516) 328-1381	

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292

This Area for Lab Use Only	Y	N
Samples received intact?	✓	
Samples properly preserved?	✓	
Samples ambient?		✓
Rush turnaround requested?		✓

Work Order Number/Comments:

Notes (including P.O. #):
Wilets Pt 29061
* see attached chain for SS waste *

Matrix Code: 1-water; 2-soil; 3-sludge; 4-oil; 5-wipe; 6-other

Sample Identification/ Description/Location	Containers #	Containers Type	Date	Time	Grab/ Composite	Matrix Code (see above)	Analysis Requested	NaOH + Ascorbic Acid	HNO_3	H_2SO_4	HCl	None/Other
GW-1	6	2 Amber 2 Plastic 3 VOA	1/4/11	15:30	—	1	8260B/8270C/608.1A/8082/Total-Diss Metals		Metals X		VOA X	X
B-5 (0-2)	2	8oz Glass	1/4/11	8:30	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-5 (10-15)	2	8oz Glass	1/4/11	9:35	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-7 (0-2)	2	8oz Glass	1/4/11	12:00	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-7 (5-10)	2	8oz Glass	1/4/11	12:30	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-8 (0-2)	2	8oz Glass	1/11/11	8:05	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-8 (5-10)	2	8oz Glass	1/4/11	8:10	Grab	2	8260/8270/8081/8082/TAL Metals					X
GW-8	6	2 Amber 2 Plastic 3 VOA	1/4/11	9:05	—	1	8260/8270/8081/8082/Total-Diss Metals		Metals X		VOA X	X
B-11 (0-2)	2	8oz Glass	1/4/11	10:10	Grab	2	8260/8270/8081/8082/TAL Metals					X
B-11 (5-10)	2	8oz Glass	1/4/11	10:31	Grab	2	8260/8270/8081/8082/TAL Metals					X

COLLECTED BY: (PRINT NAME) Steve Cherepany 1/4/11	PROJECT NAME / DESCRIPTION: Wilets Pt 29061		
RELINQUISHED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE)	DATE:	TIME: AM PM
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE:	TIME: AM PM
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY LAB: (SIGNATURE) [signature]	DATE: 1/11/11	TIME: 2:15 AM PM (PM circled)

Pg 3 of 3

AC Laboratory ANALYTICAL CHEMISTS
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Tel: (631) 414-7685 Fax: (631) 414-7688
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CHAIN OF CUSTODY RECORD

Client: EPM, Inc.	Report to: Richard Hart
Address: 1983 Marcus Avenue, Ste 109	rhart@epmec.com / scherepany@epmec.com
Lake Success, NY 11042	Results needed by: (Rush T/A only) Std
Tel: (516) 328-1194 Fax: (516) 328-1381	

Laboratory Certification IDs: NYSDOH: 10950 NJDEP: NY006 EPA: NY01292

This Area for Lab Use Only	Y	N
Samples received intact?	✓	
Samples properly preserved?		
Samples ambient?		
Rush turnaround requested?		

Work Order Number/Comments: on ice

Notes (including P.O. #): Willets Pt 29061
* See attached chain for Soil Vapor

Matrix Code: 1-water; 2-soil; 3-sludge; 4-oil; 5-wipe; 6-other

Sample Identification/ Description/Location	Containers #	Containers Type	Date	Time	Grab/ Composite	Matrix Code (see above)	Analysis Requested	NaOH + Ascorbic Acid	HNO_3	H_2SO_4	HCl	None/Other
FB-2	5 8	2 Amber [illegible]	1/4/11	13:30	—	1	8260/8270C/Sel.IA/8082/TAL metals		X		X	
GW-11	[illegible]	2 Amber [illegible]	1/4/11	12:00	—	1	8260/8270C/Sel.IA/8082/TAL metals		X		X	
SG-4	1	6 L Summa	1/4/11	12:45-13:33	—	5V	TO-3 + TO-15 See attached chain					X

COLLECTED BY: (PRINT NAME) Steve Cherepany 1/4/11	PROJECT NAME / DESCRIPTION: Willets Pt 29061		
RELINQUISHED BY: (SIGNATURE) [signature]	RECEIVED BY: (SIGNATURE)	DATE:	TIME: AM PM
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY: (SIGNATURE)	DATE:	TIME: AM PM
RELINQUISHED BY: (SIGNATURE)	RECEIVED BY LAB: (SIGNATURE) [signature]	DATE: 1/4/11	TIME: 2:15 AM PM

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L1103624
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	James Bellew
Phone:	(212) 594-8140
Project Name:	WILLETS POINT
Project Number:	161893.00
Report Date:	03/25/11

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1103624-01	126-G9	WILLETS PT. NY	03/18/11 13:10

Project Name:	WILLETS POINT	**Lab Number:**	L1103624
Project Number:	161893.00	**Report Date:**	03/25/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Solids, Total Suspended

L1103624-01 has an elevated detection limit due to the dilution required by the sample matrix.

Flash Point

L1103624-01: The starting temperature of the sample was 65 deg F. Ambient temperature was 72deg F.

Oil & Grease, Hem-Grav

The WG459713-3 MS recovery, performed on L1103624-01, is below the acceptance criteria (67%); however,

Project Name:	WILLETS POINT	**Lab Number:**	L1103624
Project Number:	161893.00	**Report Date:**	03/25/11

Case Narrative (continued)

the associated LCS recovery was within criteria. No further action was taken.

The WG459713-4 Laboratory Duplicate RPD, performed on L1103624-01, is above the acceptance criteria (22%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 03/25/11

ORGANICS

VOLATILES

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103624-01
Client ID: 126-G9
Sample Location: WILLETS PT. NY
Matrix: Water
Analytical Method: 5,624
Analytical Date: 03/22/11 11:07
Analyst: TT

Date Collected: 03/18/11 13:10
Date Received: 03/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
2-Chloroethylvinyl ether	ND		ug/l	10	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	92		80-120
Fluorobenzene	96		80-120
4-Bromofluorobenzene	109		80-120

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 03/22/11 07:31
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG458987-10					
Methylene chloride	ND		ug/l	5.0	0.65
1,1-Dichloroethane	ND		ug/l	1.5	0.36
Chloroform	ND		ug/l	1.5	0.34
Carbon tetrachloride	ND		ug/l	1.0	0.38
1,2-Dichloropropane	ND		ug/l	3.5	0.32
Dibromochloromethane	ND		ug/l	1.0	0.37
1,1,2-Trichloroethane	ND		ug/l	1.5	0.40
2-Chloroethylvinyl ether	ND		ug/l	10	0.62
Tetrachloroethene	ND		ug/l	1.5	0.44
Chlorobenzene	ND		ug/l	3.5	0.38
Trichlorofluoromethane	ND		ug/l	5.0	0.37
1,2-Dichloroethane	ND		ug/l	1.5	0.42
1,1,1-Trichloroethane	ND		ug/l	2.0	0.30
Bromodichloromethane	ND		ug/l	1.0	0.35
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.35
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.35
Bromoform	ND		ug/l	1.0	0.34
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.41
Benzene	ND		ug/l	1.0	0.36
Toluene	ND		ug/l	1.0	0.51
Ethylbenzene	ND		ug/l	1.0	0.38
Chloromethane	ND		ug/l	10	0.89
Bromomethane	ND		ug/l	5.0	1.3
Vinyl chloride	ND		ug/l	2.0	0.35
Chloroethane	ND		ug/l	2.0	0.36
1,1-Dichloroethene	ND		ug/l	1.0	0.33
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.40
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.38
Trichloroethene	ND		ug/l	1.0	0.37
1,2-Dichlorobenzene	ND		ug/l	5.0	0.75
1,3-Dichlorobenzene	ND		ug/l	5.0	0.93

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 5,624
Analytical Date: 03/22/11 07:31
Analyst: TT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG458987-10					
1,4-Dichlorobenzene	ND		ug/l	5.0	0.85
p/m-Xylene	ND		ug/l	2.0	0.77
o-xylene	ND		ug/l	1.0	0.34
Xylene (Total)	ND		ug/l	2.0	0.63
Styrene	ND		ug/l	1.0	0.34
Acetone	ND		ug/l	10	1.8
Carbon disulfide	ND		ug/l	5.0	0.90
2-Butanone	ND		ug/l	10	2.2
Vinyl acetate	ND		ug/l	20	2.9
4-Methyl-2-pentanone	ND		ug/l	10	2.4
2-Hexanone	ND		ug/l	10	2.5
Acrolein	ND		ug/l	8.0	1.9
Acrylonitrile	ND		ug/l	10	1.9
Methyl tert butyl ether	ND		ug/l	20	0.58
Dibromomethane	ND		ug/l	1.0	0.18
1,4-Dioxane	ND		ug/l	2000	490
Tert-Butyl Alcohol	ND		ug/l	100	6.0
Tertiary-Amyl Methyl Ether	ND		ug/l	20	0.26

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	96		80-120
Fluorobenzene	98		80-120
4-Bromofluorobenzene	109		80-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG458987-9								
Methylene chloride	75		-		1-221	-		30
1,1-Dichloroethane	106		-		59-155	-		30
Chloroform	102		-		51-138	-		30
Carbon tetrachloride	110		-		70-140	-		30
1,2-Dichloropropane	105		-		1-210	-		30
Dibromochloromethane	106		-		53-149	-		30
1,1,2-Trichloroethane	110		-		52-150	-		30
2-Chloroethylvinyl ether	143		-		1-305	-		30
Tetrachloroethene	126		-		64-148	-		30
Chlorobenzene	104		-		37-160	-		30
Trichlorofluoromethane	98		-		17-181	-		30
1,2-Dichloroethane	95		-		49-155	-		30
1,1,1-Trichloroethane	110		-		52-162	-		30
Bromodichloromethane	102		-		35-155	-		30
trans-1,3-Dichloropropene	112		-		17-183	-		30
cis-1,3-Dichloropropene	109		-		1-227	-		30
Bromoform	103		-		45-169	-		30
1,1,2,2-Tetrachloroethane	91		-		46-157	-		30
Benzene	108		-		37-151	-		30
Toluene	110		-		47-150	-		30
Ethylbenzene	115		-		37-162	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG458987-9								
Chloromethane	174		-		1-273	-		30
Bromomethane	81		-		1-242	-		30
Vinyl chloride	63		-		1-251	-		30
Chloroethane	77		-		14-230	-		30
1,1-Dichloroethene	89		-		1-234	-		30
trans-1,2-Dichloroethene	117		-		54-156	-		30
cis-1,2-Dichloroethene	106		-		60-140	-		30
Trichloroethene	116		-		71-157	-		30
1,2-Dichlorobenzene	108		-		18-190	-		30
1,3-Dichlorobenzene	107		-		59-156	-		30
1,4-Dichlorobenzene	113		-		18-190	-		30
p/m-Xylene	112		-		40-160	-		30
o-Xylene	107		-		40-160	-		30
XYLENE (TOTAL)	110		-		40-160	-		30
Styrene	150		-		40-160	-		30
Acetone	67		-		40-160	-		30
Carbon disulfide	88		-		40-160	-		30
2-Butanone	102		-		40-160	-		30
Vinyl acetate	84		-		40-160	-		30
4-Methyl-2-pentanone	113		-		40-160	-		30
2-Hexanone	108		-		40-160	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG458987-9								
Acrolein	57		-		40-160	-		30
Acrylonitrile	88		-		40-160	-		30
Dibromomethane	128		-		70-130	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	102				80-120
Fluorobenzene	102				80-120
4-Bromofluorobenzene	103				80-120

Matrix Spike Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458987-3 QC Sample: L1103439-01 Client ID: MS Sample												
Methylene chloride	ND	20	12	58		-	-		1-221	-		30
1,1-Dichloroethane	ND	20	16	80		-	-		59-155	-		30
Chloroform	ND	20	16	78		-	-		51-138	-		30
Carbon tetrachloride	ND	20	18	89		-	-		70-140	-		30
1,2-Dichloropropane	ND	20	16	78		-	-		1-210	-		30
Dibromochloromethane	ND	20	17	83		-	-		53-149	-		30
1,1,2-Trichloroethane	ND	20	17	85		-	-		52-150	-		30
2-Chloroethylvinyl ether	ND	20	17	84		-	-		1-305	-		30
Tetrachloroethene	ND	20	18	90		-	-		64-148	-		30
Chlorobenzene	ND	20	16	78		-	-		37-160	-		30
Trichlorofluoromethane	ND	20	12	62		-	-		17-181	-		30
1,2-Dichloroethane	ND	20	15	73		-	-		49-155	-		30
1,1,1-Trichloroethane	ND	20	16	82		-	-		52-162	-		30
Bromodichloromethane	ND	20	16	82		-	-		35-155	-		30
trans-1,3-Dichloropropene	ND	20	15	77		-	-		17-183	-		30
cis-1,3-Dichloropropene	ND	20	14	71		-	-		1-227	-		30
Bromoform	ND	20	15	77		-	-		45-169	-		30
1,1,2,2-Tetrachloroethane	ND	20	16	78		-	-		46-157	-		30
Benzene	ND	20	16	79		-	-		35-151	-		30
Toluene	ND	20	16	80		-	-		47-150	-		30
Ethylbenzene	ND	20	16	82		-	-		37-162	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458987-3 QC Sample: L1103439-01 Client ID: MS Sample												
Chloromethane	ND	20	19	94		-	-		1-273	-		30
Bromomethane	ND	20	13	64		-	-		1-242	-		30
Vinyl chloride	ND	20	9.0	45		-	-		1-251	-		30
Chloroethane	ND	20	11	55		-	-		14-230	-		30
1,1-Dichloroethene	ND	20	14	69		-	-		1-234	-		30
trans-1,2-Dichloroethene	ND	20	17	87		-	-		54-156	-		30
cis-1,2-Dichloroethene	ND	20	15	75		-	-		60-140	-		30
Trichloroethene	ND	20	15	76		-	-		71-157	-		30
1,2-Dichlorobenzene	ND	20	17	83		-	-		18-190	-		30
1,3-Dichlorobenzene	ND	20	16	82		-	-		59-156	-		30
1,4-Dichlorobenzene	ND	20	16	81		-	-		18-190	-		30
p/m-Xylene	ND	40	32	80		-	-		40-160	-		30
o-Xylene	ND	20	15	76		-	-		40-160	-		30
XYLENE (TOTAL)	ND	60	47	79		-	-		40-160	-		30
Styrene	ND	20	14	71		-	-		40-160	-		30
Acetone	ND	50	100	46		-	-		40-160	-		30
Carbon disulfide	ND	20	11	56		-	-		40-160	-		30
2-Butanone	ND	50	38	77		-	-		40-160	-		30
Vinyl acetate	ND	40	19.J	47		-	-		40-160	-		30
4-Methyl-2-pentanone	ND	50	36	71		-	-		40-160	-		30
2-Hexanone	ND	50	34	69		-	-		40-160	-		30

Matrix Spike Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458987-3 QC Sample: L1103439-01 Client ID: MS Sample												
Acrolein	ND	40	19	48		-	-		40-160	-		30
Acrylonitrile	ND	40	25	64		-	-		40-160	-		30
Dibromomethane	ND	20	16	81		-	-			-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
4-Bromofluorobenzene	103				80-120
Fluorobenzene	99				80-120
Pentafluorobenzene	97				80-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 QC Batch ID: WG458987-4 QC Sample: L1103439-01 Client ID: DUP Sample						
Benzene	ND	ND	ug/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	101		100		80-120
Fluorobenzene	100		102		80-120
4-Bromofluorobenzene	106		107		80-120

METALS

Project Name:	WILLETS POINT	**Lab Number:**	L1103624
Project Number:	161893.00	**Report Date:**	03/25/11

SAMPLE RESULTS

Lab ID:	L1103624-01	Date Collected:	03/18/11 13:10
Client ID:	126-G9	Date Received:	03/18/11
Sample Location:	WILLETS PT. NY	Field Prep:	Not Specified
Matrix:	Water		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Molybdenum, Total	0.01	J	mg/l	0.05	0.004	1	03/19/11 12:30	03/23/11 15:24	EPA 3005A	19,200.7	AI

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG459555-1										
Molybdenum, Total	ND		mg/l	0.05	0.004	1	03/19/11 12:30	03/23/11 15:01	19,200.7	AI

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG459555-2								
Molybdenum, Total	98		-		85-115	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459555-4 QC Sample: L1102712-34 Client ID: MS Sample												
Molybdenum, Total	0.01J	1	0.98	98		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459555-3 QC Sample: L1102712-34 Client ID: DUP Sample						
Molybdenum, Total	0.01J	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

SAMPLE RESULTS

Lab ID: L1103624-01
Client ID: 126-G9
Sample Location: WILLETS PT. NY
Matrix: Water

Date Collected: 03/18/11 13:10
Date Received: 03/18/11
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total Suspended	160		mg/l	15	NA	3	-	03/22/11 09:35	30,2540D	DW
Solids, Total Settleable	1.5		ml/l	0.10	NA	1	-	03/18/11 22:45	30,2540F	KK
pH	6.6		SU	-	NA	1	-	03/18/11 21:00	1,9040B	KK
Nitrogen, Nitrate/Nitrite	0.30		mg/l	0.10	0.02	1	-	03/22/11 23:32	30,4500NO3-F	TH
Oil & Grease, Hem-Grav	7.7		mg/l	4.0	4.0	1	03/22/11 13:00	03/22/11 18:15	74,1664A	JO
Non-Polar Material by EPA 1664	3.64	J	mg/l	4.00	0.860	1	03/22/11 13:00	03/24/11 13:30	74,1664A	JO
Flash Point	>150		deg F	70	NA	1	-	03/22/11 13:00	1,1010	ST
General Chemistry										
Laboratory Temperature during pH test	24		deg. C				-	03/18/11 21:00	41	ED

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG459610-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	03/22/11 09:35	30,2540D	DW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG459713-2										
Oil & Grease, Hem-Grav	ND		mg/l	4.0	4.0	1	03/22/11 13:00	03/22/11 18:15	74,1664A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG459715-2										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	0.860	1	03/22/11 13:00	03/24/11 13:30	74,1664A	JO
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG459773-2										
Nitrogen, Nitrate/Nitrite	0.02	J	mg/l	0.10	0.02	1	-	03/22/11 23:12	30,4500NO3-F	TH

Lab Control Sample Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 01		Batch: WG459329-1					
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab	Associated sample(s): 01		Batch: WG459710-1					
Flash Point	104		-			-		
General Chemistry - Westborough Lab	Associated sample(s): 01		Batch: WG459713-1					
Oil & Grease, Hem-Grav	90		-		78-114	-		18
General Chemistry - Westborough Lab	Associated sample(s): 01		Batch: WG459715-1					
Non-Polar Material by EPA 1664	80		-		64-132	-		34
General Chemistry - Westborough Lab	Associated sample(s): 01		Batch: WG459773-1					
Nitrogen, Nitrate/Nitrite	96		-		90-110	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459713-3 QC Sample: L1103624-01 Client ID: 126-G9												
Oil & Grease, Hem-Grav	7.7	40.8	35	67	Q	-	-		78-114	-		18
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459715-3 QC Sample: L1103624-01 Client ID: 126-G9												
Non-Polar Material by EPA 1664	3.64J	20.4	16.6	81		-	-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459773-3 QC Sample: L1102712-42 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	0.09J	4	3.9	98		-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459329-2 QC Sample: L1103595-01 Client ID: DUP Sample						
pH	6.9	6.9	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459610-2 QC Sample: L1103624-01 Client ID: 126-G9						
Solids, Total Suspended	160	190	mg/l	17		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459713-4 QC Sample: L1103624-01 Client ID: 126-G9						
Oil & Grease, Hem-Grav	7.7	6.2	mg/l	22	Q	18
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459715-4 QC Sample: L1103624-01 Client ID: 126-G9						
Non-Polar Material by EPA 1664	3.64J	2.53J	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG459773-4 QC Sample: L1102712-42 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	0.09J	0.09J	mg/l	NC		20

Project Name: WILLETS POINT
Project Number: 161893.00

Lab Number: L1103624
Report Date: 03/25/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1103624-01A	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624(7)
L1103624-01B	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624(7)
L1103624-01C	Vial Na2S2O3 preserved	A	N/A	2	Y	Absent	624(7)
L1103624-01D	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSS-2540(7)
L1103624-01E	Plastic 1000ml unpreserved	A	7	2	Y	Absent	TSETS-2540(2)
L1103624-01F	Amber 1000ml unpreserved	A	7	2	Y	Absent	FLASH(),PH-9040(1)
L1103624-01G	Plastic 500ml H2SO4 preserved	A	<2	2	Y	Absent	NO3/NO2-4500(28)
L1103624-01H	Plastic 500ml HNO3 preserved	A	<2	2	Y	Absent	MO-UI(180)
L1103624-01I	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	OG-1664(28)
L1103624-01J	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	OG-1664(28)
L1103624-01K	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1103624-01L	Amber 1000ml HCl preserved	A	N/A	2	Y	Absent	NYTPH-1664(28)
L1103624-01X	Amber 1000ml unpreserved	A	7	2	Y	Absent	FLASH(),PH-9040(1)

*Values in parentheses indicate holding time in days

Project Name:	WILLETS POINT	**Lab Number:**	L1103624
Project Number:	161893.00	**Report Date:**	03/25/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name:	WILLETS POINT	**Lab Number:**	L1103624
Project Number:	161893.00	**Report Date:**	03/25/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL). This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample.

Report Format: DU Report with "J" Qualifiers

Project Name: WILLETS POINT
Project Number: 161893.00
Lab Number: L1103624
Report Date: 03/25/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

5 Methods for the Organic Chemical Analysis of Municipal and Industrial Wastewater. Appendix A, Part 136, 40 CFR (Code of Federal Regulations).

19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.

30 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WPCF. 18th Edition. 1992.

74 Method 1664,Revision A: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-98-002, February 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

Serial No:03251115:24

CHAIN OF COUSTODY

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

PAGE 1 OF 1

Date Rec'd in Lab: 3/18/11 | ALPHA Job #: L1103624

Client Information

Client: K2A
Address: 104 West 29th St. 10th FL NY. NY 10001
Phone: 212-594-8140
Fax: —
Email: James.Bellew@g[redacted]a.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Willets Point
Project Location: Willets Pt. NY
Project #: 161893.00
Project Manager: James Bellew
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)
Date Due: 3/25/11 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL ☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

Other Project Specific Requirements/Comments/Detection Limits:
All Samples are 126-G9 I did not have time to label them. Please remember on 0.1 + Grease to do Non-Polar Materials (TPH)

SAMPLE HANDLING
Filtration ____
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	pH	Temperature	Flashpoint	Settleable Solids	TSS	Nitrate/Nitrite	Molybdenum	2-Chloroethylvinyl	Oil+Grease→Non-Polar	GTPH 1664A			Sample Specific Comments	TOTAL # BOTTLES
03624.1	126-G9	3/18	13:10	GW	JMB	X	X	X	X	X	X	X	X	X	X	X	X	Field PH was 6.32 Field Temp was 16.7°C	

Container Type	Amber	Amber	Amber	plastic	plastic	Plastic	plastic	Vial	Amber	
Preservative	None	NA	NA	NA	NA	H2SO4	HNO3	NaHSO4	HCl	

Relinquished By:	Date/Time	Received By:	Date/Time
James Bellew JMB	3/18/11 15:00	[signature]	3/18/11 1500
[signature]	3/18/11	[signature]	3/18/11 1730
[signature]	3/18/11 2230	[signature]	3/18/11 2230

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)