

REMEDIAL INVESTIGATION REPORT

PRECISION CONCEPTS, INC., OU-2 SITE SHIRLEY, NEW YORK 11967

NYSDEC Site No. 152158 Work Assignment No. D007620-13

Submitted to:

New York State Department of Environmental Conservation Division of Environmental Remediation 625 Broadway, 12th Floor Albany, New York 12233

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FEBRUARY 2015

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1.0 INTRODUCTION

This report presents the results of the Remedial Investigation (RI) for Operable Unit 2 (OU-2) of the Precision Concepts, Inc. (Precision Concepts) Site. The RI was completed in accordance with the New York State Department of Environmental Conservation ("NYSDEC" or "Department") Division of Environmental Remediation (DER) Work Assignment (WA) No. D007620-13 Notice to Proceed letter dated June 4, 2013, the NYSDEC - WA Approval letter dated November 19, 2013, and DER-10, Technical Guidance for Site Investigation and Remediation.

The Precision Concepts Site, assigned NYSDEC Site Number 152158, is comprised of two operable units (OU-1 and OU-2). The two operable units were defined in the Precision Concepts Site OU-1 Record of Decision (ROD, *Appendix A*) dated March 2002. According to the ROD, OU-1 encompasses the environmental conditions within the boundary of the Precision Concepts facility located at 26 Precision Drive (a.k.a. Natcon Drive) in the Hamlet of Shirley, Town of Brookhaven, Suffolk County, New York, and OU-2 (referred to in this RI Report as the "Site") was assigned to assess areas outside of OU-1 to determine if conditions at the 26 Precision Drive property resulted in impacts to groundwater, surface water and sediment.

Precision Concepts occupied 26 Precision Drive from the original construction of the building in 1985 to 1993. Industrial activity at Precision Concepts included metal stamping, punching, light grinding, and metal cleaning, including the use of organic solvents 1,1,1-trichloroethane (TCA) and 1,1-dichloroethane (DCA). No spills were reported to the NYSDEC for 26 Precision Drive during the time Precision Concepts operated at the property; however, evidence of contamination sources was observed in samples collected from the facility's industrial leaching pools by the Suffolk County Department of Health Services (SCDHS) during a routine inspection in May 1988. Elevated concentrations of TCA and DCA were detected in the samples, and as a result, several investigations were conducted by the SCDHS and the NYSDEC.

In September 1996 Precision Concepts was listed in the Registry of Inactive Hazardous Waste Disposal Sites (Registry) and was assigned a Class 2 designation. A Remedial Investigation (RI) for OU-1 was conducted by the Potentially Responsible Party's (PRP) engineering consultant, with oversight by the Department, between June 1999 and January 2001. Based on the findings of the RI, which took into account previous investigations/actions conducted by the SCDHS and the NYSDEC for OU-1, the Department determined that OU-1 did not pose a significant threat to human health and the environment and selected "No Action" for OU-1 as documented in the ROD dated March 2002. The ROD; however, designates a separate Operable Unit (OU-2) to evaluate potential impacts to groundwater, surface water and sediment downgradient of OU-1.

A summary of the previous investigations and remedial actions for OU-1 is presented below. In June 2013 the Department issued an RI/Feasibility Study (FS) work assignment to TRC Engineers, Inc. (TRC) for OU-2, to assess groundwater, surface water and sediment. A multi-phase approach was developed for the OU-2 RI and the field investigation was implemented between February 2014 and July 2014, as described in this report.

2.0 SITE DESCRIPTION AND HISTORY

2.1 Site Location and Setting

Precision Concepts was located in an industrial park at 26 Precision Drive in the Hamlet of Shirley, Town of Brookhaven, Suffolk County, New York. The area of the 26 Precision Drive parcel is approximately sixteen (16) acres. The developed portion of the property encompasses approximately six (6) acres and contains one 38,000 square foot structure. Precision Drive is situated south of the Long Island Expressway (LIE) and east of the William Floyd Parkway. Brookhaven National Laboratory (BNL) is located north of the LIE, approximately 1/8 mile north of OU-1. BNL is a federal Superfund site and is also listed in the Registry as a Class 2 site.

The OU-1 ROD dated March 2002 designates OU-2 as the areas outside of OU-1, including areas downgradient of 26 Precision Drive, for the purpose of assessing groundwater, surface water, and sediment. The OU-2 study area is generally bordered to the north by the Long Island Expressway, to the south by Ridgewood Drive, to the west by the Carmans River and to the east by Wellwood Drive.

The OU-2 study area is predominantly residential with commercial properties located along William Floyd Parkway, and both commercial and industrial properties in the industrial park along Precision Drive. South Haven County Park is located west of River Road. Within the park is the Carmans River which flows north-south, ultimately discharging to Bellport Bay. A Site Location Map is presented in *Figure 1* and *Figure 2* is a Site Plan.

2.2 Current Site Uses

The 26 Precision Drive property is currently occupied by Luitpold Pharmaceutical Inc. (Luitpold), which is a distributor of pharmaceutical products. Luitpold uses the property for warehouse storage and office purposes. As stated above, the OU-2 study area is predominantly residential with commercial properties located along William Floyd Parkway, and both commercial and industrial properties in the industrial park along Precision Drive. South Haven County Park is located west of River Road.

2.3 Historic Site Uses

According to information provided by the Department, available on-line information from Suffolk County, and the OU-1 ROD dated March 2002, OU-1 generally appears today as it did when initially constructed in 1985 and the OU-2 study area remains similar to March 2002 conditions. Additional discussion regarding pertinent historic Site uses is presented in the description of previous investigations which follows.

3.0 PREVIOUS INVESTIGATIONS

The Department's Site Briefing Report provided in the work assignment package indicated that based on prior environmental investigations, the primary contaminants of concern include the chlorinated volatile organic compounds (CVOCs) 1,1,1-trichloroethane (TCA) and 1,1-dichloroethane (DCA). Presented below are brief summaries of prior investigations. The complete OU-1 ROD is provided in *Appendix A*.

3.1 OU-1 Remedial History

3.1.1 SCDHS – May 1988 Leachate Sampling at 26 Precision Drive (OU-1)

In May 1988, the SCDHS sampled liquid from a buried leaching pool used for roof drainage along the east side of the Precision Concepts building at 26 Precision Drive. TCA was detected at a concentration of 1,200 parts per billion (ppb) in the collected sample.

3.1.2 BNL – March 1990 Groundwater Sampling

In March 1990, BNL reported to SCDHS the detection of TCA and DCA in a monitoring well near the southern BNL monitoring network boundary near the Precision Concepts facility.

3.1.3 SCDHS – 1990 Residential Supply Well Sampling

In 1990 sampling of ninety (90) residential supply wells downgradient of 26 Precision Drive was conducted by SCDHS. TCA and another volatile organic compound (VOC), dichloroethene (DCE), were detected in five (5) residential supply wells. The concentrations detected ranged between 340 parts per billion (ppb) and 20 ppb (the drinking water standard for both TCA and DCE is 5 ppb). As a result, homes located downgradient of 26 Precision Drive were connected to the public water supply.

3.1.4 SCDHS – 1990 Groundwater Investigation

Due to the observed impacts to the residential wells, SCDHS conducted a groundwater investigation in the areas surrounding Precision Concepts in 1990. Groundwater samples were collected from temporary monitoring wells along four east-west transects perpendicular to the previously reported south/southwest groundwater flow for the area. One transect was upgradient of Precision Drive, along the LIE service road. Three transects were downgradient of 26 Precision Drive. TCA was found at a concentration of 9,300 ppb in one temporary monitoring well downgradient of Precision Drive at 71 to 80 feet below the ground surface. The next highest concentration of TCA, 120 ppb, was detected in the same temporary well, at a depth of 61 to 70 feet below the ground surface.

3.1.5 *OU-1 Remedial Actions (1990 through 1996)*

Two aboveground storage tanks (ASTs) and a number of drums were removed from the Precision Concepts property in January 1991. The removed items consisted of a 6,000-gallon industrial waste tank that had overflowed within a containment structure in October 1986, a 400-gallon solvent tank, and 1,875 gallons of drummed waste from a storage area within the building at 26 Precision Drive.

SCDHS sampled the sediment in the septic system at 26 Precision Drive in May 1990 and found that discharges to the septic system had exceeded State and County discharge standards. Toluene was detected above standards in the septic system sediments collected. Approximately 8,000 gallons of waste were pumped out of the septic system in May 1992.

An interior collection pit located on Precision Concepts property was found to be breached with contaminated soil beneath it. SCDHS sampled the soil under the pit in April 1996 and found it to contain elevated concentrations of metals. TCA and tetrachloroethene (PCE) were detected at levels below NYSDEC recommended soil cleanup objectives (Technical and Administrative Guidance Memorandum (TAGM) 4046). In July 1996, approximately two (2) cubic yards of soil were removed from the interior collection pit. Analysis of endpoint samples found the remaining soil to be in compliance with TAGM 4046 values. The pit was abandoned and a cement cap placed over the pit. Precision Concepts was listed on the Registry in September 1996 due to the contamination that had been detected in the drainage systems at the property.

3.1.6 *OU-1 Focused Remedial Investigation* (1999 – 2001)

General Consolidated Industries, Inc. (GCI), an engineering consultant representing the PRP, conducted a Focused RI for OU-1with oversight by the NYSDEC. The purpose of the Focused RI was to define the nature and extent of contamination that may have resulted from previous industrial operations conducted at the 26 Precision Drive property.

The Focused RI was conducted in two phases. The first phase was conducted in June 1999 and consisted of a sediment/soil investigation of a septic system and dry well located at the 26 Precision Drive property. The second investigation phase included groundwater sampling at the property in areas adjacent to these same features in October 2000. Separate reports were prepared for each phase of the investigation. The July 1999 Focused Remedial Investigation Report presented the results of the June 1999 investigation of soil and dry well sediments. The January 2001 Supplemental Remedial Investigation On-Site Groundwater Study Report documented the findings of the October 2000 groundwater investigation.

The Focused RI included the following activities:

A. Dry well sediment and soil investigation

- Subsurface soil and dry well sediment samples were collected from the inverts of the septic system and select dry wells.
- Subsurface soil samples were collected from immediately downgradient of the septic system and select dry wells.

B. Groundwater investigation

• Three upgradient and eight downgradient (relative to the septic system/dry wells) sampling points on the 26 Precision Drive property were sampled at the groundwater table surface, and twenty (20) and forty (40) feet below the water table.

GCI findings indicated that no VOCs were detected in the soil or dry well sediment samples collected during the Focused RI; however, metals were detected in a majority of these same samples. Most of the metals detected were within or below the range of background soil concentrations for the northeastern United States. There were no VOCs detected above Class GA groundwater standards in samples collected during the Focused RI.

3.1.7 NYSDEC – 2000 Groundwater Investigation

The NYSDEC conducted a groundwater investigation directly upgradient of the Carmans River in South Haven County Park in December 2000. Groundwater samples were collected from ten (10) sampling locations along a north/south transect over a distance of approximately 1,800 feet, along an unpaved road that parallels River Road in the eastern boundary of the park. Groundwater samples were collected at each location for laboratory analysis from the groundwater table surface and at approximately ten (10) and twenty (20) feet below the groundwater table surface. There were no OU-1 related VOCs detected in the groundwater samples collected.

3.1.8 NYSDEC – OU-1 Record of Decision (March 2002)

Based on the results of the Department's 2000 investigation and the past remedial measures that were implemented at the 26 Precision Drive property, the NYSDEC concluded that there was no threat to public health or the environment which remained at the 26 Precision Drive property and selected "No Action" as the remedy for OU-1 as described in the March 2002 ROD.

According to the OU-1 ROD dated March 2002, the Department had concerns regarding potential discharges to the Carmans River of contaminated groundwater, originating from the Precision Concepts property, that might still exist between the Carmans River and 26 Precision Drive. Therefore, the NYSDEC assigned TRC Work Assignment D007620-13 to conduct a comprehensive groundwater investigation of the area downgradient of the Precision Concepts property (OU-2) to determine if OU-1

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related compounds (as defined in the ROD) were present in the groundwater and could potentially impact the Carmans River.

4.0 REMEDIAL INVESTIGATION SCOPE AND METHODS

TRC, as part of the Work Assignment, reviewed available data and developed a multi-phase investigation approach for OU-2 in coordination with the Department. Data from previous investigations conducted for OU-1 as well as downgradient groundwater sampling in connection with ongoing monitoring for BNL was used to develop the multi-phase remedial investigation approach. The RI approach is described below.

The OU-2 RI field activities were performed between January 2014 and July 2014 in general accordance with the NYSDEC DER WA No. D007620-13 Notice to Proceed letter dated June 4, 2013, the NYSDEC - WA Approval letter dated November 19, 2013, and DER-10, Technical Guidance for Site Investigation and Remediation, including adherence to the Health and Safety Plan (HASP) and Quality Assurance Project Plan (QAPP) for sample collection and analysis, and validation of laboratory data.

4.1 Remedial Investigation Scope

The OU-2 RI pre-investigation and field activities consisted of the following:

4.1.1 Pre-Investigation Activities

• An in-depth file review, compilation of data, and development of a comprehensive proposed groundwater sampling plan for OU-2.

4.1.2 OU-2 RI Field Activities – Phase One

- A geophysical survey of twenty one (21) locations to confirm proposed boring locations were clear of utilities.
- Advancement of twenty one (21) Electrical Conductivity (EC) probes at soil boring locations PC-SB-I-01 through PC-SB-II-09, PC-SB-II-01 through PC-SB-III-09, and PC-SB-III-01 through PC-SB-III-03 to identify higher permeability subsurface zones that would be targeted for groundwater sampling.
- Advancement of twenty one (21) soil borings designated PC-SB-I-01 through PC-SB-I-09, PC-SB-II-01 through PC-SB-II-09 and PC-SB-III-01 through PC-SB-III-03 for the purpose of "grab" groundwater sample collection. One hundred and thirty nine (139) "grab" groundwater samples were collected from the 21 soil borings and submitted for laboratory analysis.

4.1.3 OU-2 RI Field Activities – Phase Two

 A survey of physical features, property boundaries and known utilities adjacent to soil boring locations. The coordinates of soil boring locations (marked in the field) as well as ground surface elevation at each boring location were also surveyed.

Following review of the data collected during Phase One of the OU-2 RI it was decided that installation and sampling of monitoring wells, and surface water and sediment sampling, planned as part of Phase Two, were not required.

The sampling locations are shown on Figure 2. The RI field methods are described in detail below.

4.2 Geophysical Survey

A geophysical survey was performed on January 10, 2014 and January 14, 2014 by Diversified Geophysics, Inc. (DGI) of Mineola, New York, under subcontract to TRC. The purpose of the geophysical survey was to confirm the absence of utilities at each of the soil boring locations (refer to *Figure 2*).

The geophysical survey equipment used consisted of a comprehensive subsurface utility pipe and cable locator and a 250 MHz ground-penetrating radar (GPR) unit. Utilities within ten (10) feet of the soil borings were marked in the field by DGI, under TRC field oversight, and included in the Site Survey.

4.3 Direct Push Sampling

4.3.1 Electric Conductivity Probes

As indicated above, twenty one (21) Electric Conductivity (EC) probes were advanced between January 28, 2014 and February 21, 2014. An EC probe measures the relative conductivity of the media surrounding the EC borehole (finer material such as silts or clays will indicate a higher EC signal, while coarser grained sediments, sands and gravels will indicate a lower EC signal). The EC data was used to assess the geologic conditions in OU-2, estimate the approximate depth of a clay confining layer identified during previous BNL investigations conducted in portions of the OU-2 study area and determine depth intervals that would be targeted for groundwater sampling. Zebra Environmental Services, Inc. (Zebra) of Lynbrook, New York was retained as a subcontractor by TRC for the EC survey. The EC probes were advanced by direct push drilling methods utilizing decontaminated downhole equipment.

EC probe location identification numbers (IDs) and completion depths of the probes are summarized in the table below. The complete EC logs are presented in *Appendix B*.

EC Pı	obes
Identification Number	Completion Depth (feet bgs)
PC-SB-I-01	149.5
PC-SB-I-02	132
PC-SB-I-03	131
PC-SB-I-04	132
PC-SB-I-05	150
PC-SB-I-06	150
PC-SB-I-07	154
PC-SB-I-08	152
PC-SB-I-09	165
PC-SB-II-01	134
PC-SB-II-02	154
PC-SB-II-03	162
PC-SB-II-04	150
PC-SB-II-05	169
PC-SB-II-06	152
PC-SB-II-07	177
PC-SB-II-08	150
PC-SB-II-09	150
PC-SB-III-01	98
PC`SB-III-02	91
PC-SB-III-03	107

Notes:

bgs - Below ground surface

4.3.2 Direct Push Groundwater Sampling

The EC data was reviewed and used to determine zones of higher permeability where potential contamination might be present and it was these specific intervals which were targeted for groundwater sample collection. The proposed discrete groundwater sampling intervals for each boring location were placed on the EC logs and reviewed/approved by the Department (*Appendix B*) prior to implementing this phase of the investigation. The twenty one (21) borings were advanced using direct push drilling methods by Zebra between February 26, 2014 and March 28, 2014; and one hundred and thirty nine (139) groundwater "grab" samples were collected and submitted for laboratory analysis.

Prior to sample collection each interval was purged to reduce turbidity in the sample, groundwater parameters (temperature, pH, conductivity, dissolved oxygen, oxidation/reduction potential and turbidity) were measured, and the purged groundwater was screened for VOCs using a photoionization detector (PID). The purged groundwater was containerized for off-site disposal. Field observations including groundwater parameters were recorded on field sampling logs. There was no evidence of groundwater contamination observed during sampling. The groundwater sampling logs are presented in *Appendix C*.

The boring location identification numbers (IDs), depths of samples selected for laboratory analysis, and the laboratory analyses performed on the grab groundwater samples are summarized in the table below.

Doring 103, D	epths of Groundwater	Sumpres serve		SIS UNIO GI GUILLO			
	Depth of Sample Interval Selected						
Boring Identification	for Analysis	TCL		Unfiltered	Filtered		
Number	(feet bgs)	VOCs +10	SVOCs	Metals	Metals	Pesticides	PCBs
	48.0-52.0	X					
	58.0-62.0	X	X	X	X	X	X
DC CD I 01	72.0-76.0	X	X	X	X	X	X
PC-SB-I-01	88.0-92.0	X					
	98.0-102.0	X					
	108.0-112.0	X					
	118.0-122.0	X					
	58.0-62.0	X	X	X	X	X	X
	68.0-72.0	X					
DC CD I OA	78.0-82.0	X					
PC-SB-I-02	88.0-92.0	X					
	98.0-102.0	X					
	108.0-112.0	X					
	118.0-122.0	X					
	48.0-52.0	X					
	58.0-62.0	X					
	68.0-72.0	X					
PC-SB-I-03	78.0-82.0	X					
10 22 1 00	88.0-92.0	X					
	98.0-102.0	X					
	108.0-112.0	X					
	118.0-122.0	X					
	58.0-62.0	X					
DG GD T 0.4	68.0-72.0	X					
PC-SB-I-04	80.0-84.0	X					
	96.0-100.0	X					
	50.0-54.0	X	X	X	X	X	X
	58.0-62.0	X	X			X	X
	68.0-72.0	X					
DG GD 1 05	78.0-82.0	X	X	X	X	X	X
PC-SB-I-05	88.0-92.0	X					
	98.0-102.0	X	X			X	X
	108.0-112.0	X	12			1	
	116.0-120.0	X					

Boring IDs, I	Depths of Groundwate	r Samples Selec	cted for Anal	ysis and Ground	dwater Sampl	le Analytical Pla	an
Boring Identification Number	Depth of Sample Interval Selected for Analysis (feet bgs)	TCL VOCs +10	SVOCs	Unfiltered Metals	Filtered Metals	Pesticides	PCBs
	58.0-62.0	X					
	68.0-72.0	X					
PC-SB-I-06	78.0-82.0	X					
1 C 5B 1 00	98.0-102.0	X					
	108.0-112.0	X					
	116.0-120.0	X					
	74.0-78.0	X					
	88.0-92.0	X					
PC-SB-I-07	98.0-102.0	X					
	108.0-112.0	X					
	118.0-122.0	X					
	74.0-78.0	X					
	88.0-92.0	X					
PC-SB-I-08	98.0-102.0	X					
1 C 5D 1 00	108.0-112.0	X					
	120.0-124.0	X					
	136.0-140.0	X					
	64.0-68.0	X					
	74.0-78.0	X					
	88.0-92.0	X					
	98.0-102.0	X					
PC-SB-I-09	108.0-112.0	X					
	118.0-122.0	X					
	128.0-132.0	X					
	136.0-140.0	X					
	150.0-154.0	X					
	68.0-72.0	X					
	78.0-82.0	X					
PC-SB-II-01	88.0-92.0	X					
T C DD II OI	98.0-102.0	X					
	108.0-112.0	X					
	118.0-122.0	X					
	68.0-72.0	X					
	78.0-82.0	X					
	88.0-92.0	X					
	98.0-102.0	X					
PC-SB-II-02	108.0-112.0	X					
	118.0-122.0	X				1	
	128.0-132.0	X				1	
	138.0-142.0	X			ļ	1	
	148.0-152.0	X				1	
	66.0-70.0	X				1	
	76.0-80.0	X	1			1	
PC-SB-II-03	86.0-90.0	X	1			1	
I C DD-II-03	98.0-102.0	X	1			1	
	108.0-112.0	X				1	
	118.0-122.0	X					

Boring IDs, D	epths of Groundwate	r Samples Selec	cted for Anal	ysis and Groun	dwater Sampl	e Analytical Pl	an
Boring Identification	Depth of Sample Interval Selected for Analysis	TCL		Unfiltered	Filtered		
Number	(feet bgs)	VOCs +10	SVOCs	Metals	Metals	Pesticides	PCBs
3 (4-22) 4 2	68.0-72.0	X			31200022		
	78.0-82.0	X					
	88.0-92.0	X					
DC CD II 04	100.0-104.0	X					
PC-SB-II-04	110.0-114.0	X					
	120.0-124.0	X					
	130.0-134.0	X					
	144.0-148.0	X					
	68.0-72.0	X					
	78.0-82.0	X					
PC-SB-II-05	88.0-92.0	X					
PC-3D-11-03	100.0-104.0	X					
	110.0-114.0	X					
	120.0-124.0	X					
	58.0-62.0	X					
	68.0-72.0	X					
	78.0-82.0	X					
PC-SB-II-06	88.0-92.0	X					
rC-3D-11-00	100.0-104.0	X					
	110.0-114.0	X					
	120.0-124.0	X					
	136.0-140.0	X					
	78.0-82.0	X					
	88.0-92.0	X					
PC-SB-II-07	98.0-102.0	X					
	108.0-112.0	X					
	118.0-122.0	X					
	78.0-82.0	X					
PC-SB-II-08	88.0-92.0	X					
TC DD II 00	98.0-102.0	X					
	110.0-114.0	X					
	58.0-62.0	X					
	68.0-72.0	X					
PC-SB-II-09	76.0-80.0	X					
100010	84.0-88.0	X			1		ļ
	90.0-94.0	X			1		
	108.0-112.0	X			1		
	8.0-12.0	X			 	1	ļ
	18.0-22.0	X					
DG 0D *** 04	28.0-32.0	X					
PC-SB-III-01	36.0-40.0	X			-		
	62.0-66.0	X			1	1	
	76.0-80.0	X			1	1	
	86.0-90.0	X	1		1		1

Boring IDs, D	epths of Groundwater	r Samples Selec	cted for Anal	ysis and Groun	dwater Sampl	le Analytical Pla	an
Boring Identification Number	Depth of Sample Interval Selected for Analysis (feet bgs)	TCL VOCs +10	SVOCs	Unfiltered Metals	Filtered Metals	Pesticides	PCBs
	8.0-12.0	X					
	18.0-22.0	X					
	28.0-32.0	X					
	36.0-40.0	X					
PC-SB-III-02	48.0-52.0	X					
	58.0-62.0	X					
	68.0-72.0	X					
	76.0-80.0	X					
	86.0-90.0	X					
	28.0-32.0	X					
	36.0-40.0	X					
PC-SB-III-03	48.0-52.0	X					
	58.0-62.0	X					
	64.0-68.0	X					

Notes:

bgs - Below ground surface

The one hundred and thirty nine (139) groundwater samples were collected from 4-foot long, depth discrete sampling intervals using a decontaminated screened sampler and disposable tubing for each sample interval. All 139 groundwater samples were submitted for laboratory analysis for TCL VOCs +10 by United States Environmental Protection Agency (USEPA) Method 8260. Seven (7) groundwater samples were selected in consultation with the Department for analysis for semi-volatile organic compounds (SVOCs), pesticides and polychlorinated biphenyls (PCBs) by USEPA Methods 8270, 8081 and 8082, respectively. Five (5) of the seven (7) groundwater samples were also analyzed for both unfiltered and filtered metals in accordance with USEPA Method 6010. The groundwater samples were collected in accordance with NYSDEC/USEPA protocols and the Generic Quality Assurance Project Plan (QAPP), and were containerized in laboratory supplied jars, labeled, sealed, and placed in chilled coolers for shipment to ALS Environmental of Rochester, New York. Standard chain-of-custody procedures were followed.

4.4 Sample Location Survey

On May 2, 2014 YEC Inc. (YEC) of Valley Cottage, New York, a New York State licensed surveyor, performed a survey of Site physical features, property boundaries near soil boring locations, and known utilities. Additionally, the survey included the coordinates of the direct-push soil boring locations (marked in the field) and ground surface elevation at each boring location. The survey map prepared by YEC is presented in *Appendix D*.

Presented in the table below are the coordinates and ground surface elevations of the soil boring locations, based on measurements collected by YEC in May 2014.

Boring Northings, Ea	stings and Ground	Surface Elevations	, May 2014
Boring Identification Number	Northing (feet)	Easting (feet)	Ground Surface Elevation (feet)
PC-SB-I-01	249926.33	1293400.17	75.35
PC-SB-I-02	249651.40	1292891.50	70.60
PC-SB-I-03	249342.00	1292457.89	72.91
PC-SB-I-04	249378.64	1293554.79	82.58
PC-SB-I-05	249007.15	1293122.04	76.49
PC-SB-I-06	248455.21	1292724.11	82.11
PC-SB-I-07	246637.96	1292578.79	89.16
PC-SB-I-08	247038.26	1293022.31	86.52
PC-SB-I-09	247223.53	1293401.28	93.93
PC-SB-II-01	246210.97	1292806.56	92.78
PC-SB-II-02	245820.07	1292625.23	89.82
PC-SB-II-03	245272.92	1292790.07	84.62
PC-SB-II-04	244849.35	1292029.96	84.05
PC-SB-II-05	244511.46	1292161.96	84.43
PC-SB-II-06	243858.92	1292398.76	78.26
PC-SB-II-07	243384.76	1291781.63	89.56
PC-SB-II-08	242848.63	1292218.51	86.69
PC-SB-II-09	242397.52	1292416.05	80.54
PC-SB-III-01	242910.06	1290187.28	19.20
PC`SB-III-02	242563.45	1290732.88	20.66
PC-SB-III-03	241989.08	1291364.42	34.53

Note:

Survey established from the New York State Plane Coordinate System, Long Island Zone, North American Datum 83. Vertical datum used is North American Vertical Datum 88.

As stated above, based on information gathered during the RI within the OU-2 study area, it was decided, in consultation with the Department, that the installation of monitoring wells originally planned to be part of the RI was not required. There were no existing monitoring wells located in OU-2 that could be used to generate a groundwater surface elevation contour map, therefore there are no groundwater surface elevation figures which accompany this RI Report. Historic groundwater surface elevation contour maps are in the March 2002 ROD for OU-1 presented in *Appendix A*.

4.5 Quality Assurance and Quality Control

Thirty four (34) quality control samples were submitted for laboratory analysis. The quality control samples consisted of fourteen (14) matrix spike and matrix spike duplicates (MS/MSD) and twenty (20) trip blanks. MS/MSD were collected by alternately filling sample bottles from the source being sampled. MS/MSD were collected at a frequency of one per twenty groundwater samples per analytical parameter.

Trip blanks were submitted to the laboratory at a frequency of one per cooler which contained groundwater samples to be analyzed for VOCs. The quality control samples were collected and containerized in accordance with NYSDEC/USEPA protocols, in laboratory supplied containers, labeled, sealed, and placed in a chilled cooler for shipment to ALS Environmental of Rochester, New York. Standard chain-of-custody procedures were followed.

4.6 Investigation Derived Waste (IDW)

IDW generated during the investigation included purged groundwater and sampling equipment decontamination water. The IDW was placed in U.S. Department of Transportation (DOT) approved 55-gallon drums and transported as non-DOT regulated material by Environmental Waste Minimization, Inc. of Northampton, Pennsylvania for disposal off-site at Environmental Recovery Group in Lancaster, Pennsylvania. The bill of lading for the IDW is included in *Appendix E*.

5.0 DISCUSSION OF RESULTS

This section presents a discussion of the results of the OU-2 RI. The results of laboratory analyses of groundwater are summarized in *Tables 1* through 5. The results of validation of the laboratory analytical data are summarized in the Data Usability Summary Reports (DUSRs). The data validation was performed in accordance with NYSDEC requirements, including the requirements for development of DUSRs listed in Appendix 2B of DER-10, Technical Guidance for Site Investigations and Remediation. The complete Analytical Services Protocol (ASP) Laboratory Analytical Data Reports and DUSRs are included in *Appendix F and G*, respectively.

5.1 Site Geology and EC Logs

Based on field observations, the topography of OU-2 slopes downward towards the south/southwest from 26 Precision Drive towards the Carmans River. Ground surface elevations across OU-2 vary between approximately 94 feet in the northern portions of the OU-2 study area (PC-SB-I-09) and 19 feet (NAVD 1988) along River Road, in the southern portion of OU-2 (PC-SB-III-01).

The March 2002 ROD for OU-1 indicates the site area is in the Atlantic Coastal Plain physiographic province. Regionally, the subsurface consists of Upper Glacial deposits that are characterized by southward sloping deposits of sand, gravel, and silt. Below the Site, the Upper Glacial formation extends reportedly approximately 200 feet deep (the OU-2 EC probes extended up to 177 feet bgs (PC-SB-II-07)). The Magothy, Raritan, and Lloyd formations are below the Upper Glacial deposits. According to historic reports for OU-1, the lithology at the Site in the Upper Glacial formation is classified as Riverhead Sandy-Loam.

Twenty one (21) EC probes were completed across OU-2. The EC probes identified multiple apparent higher permeability horizons throughout OU-2 consistent with a glacial alluvial depositional environment. The EC logs, however, did not conclusively exhibit a single continuous higher permeability unit across the OU-2 study area. The EC logs for probes advanced along the same east-west transects were compared to one another and used to target discrete groundwater sampling interval depths. The proposed groundwater sampling intervals were transposed onto the EC logs for presentation to the Department and approved by the Department prior to mobilization for groundwater sample collection (*Appendix B*).

5.2 Applicable Regulatory Standards

Groundwater was the only media sampled during this RI. Groundwater sampling results were evaluated by comparison to NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Class GA Standards and Guidance Values ("Class GA Values").

5.3 Direct Push Groundwater Sampling

The water table across OU-2 is in the Upper Glacial aquifer and varies in depth between approximately fifty (50) feet below ground surface near OU-1 to approximately ten (10) feet below the ground surface along River Road. The groundwater flow direction identified in previous investigations is south/southwest.

Field observations recorded during groundwater sampling are discussed in Section 4.3. Summaries of the results of the analyses of the groundwater samples are presented in *Tables 1* through 5. The complete laboratory analytical data reports are presented in *Appendix F. Figure 2* shows the locations of the direct push groundwater sampling points. A review of the results of the analyses of the direct push groundwater samples is presented below.

5.3.1 *VOCs in Groundwater (Direct Push Groundwater Sampling)*

A total of 139 grab groundwater samples collected from the 21 soil borings advanced in OU-2 were analyzed for VOCs by USEPA Method 8260. Several VOCs were detected in the groundwater samples; however, there were no VOCs detected at concentrations above Class GA Values. The complete results of the analyses for VOCs of the groundwater samples are presented in *Table 1*.

5.3.2 SVOCs, Pesticides and PCBs in Groundwater

Seven (7) groundwater samples (PC-SB-I-01 (58-62), PC-SB-I-01 (72-76), PC-SB-I-02 (58-62), PC-SB-I-05 (50-54), PC-SB-I-05 (58-62), PC-SB-I-05 (78-82) and PC-SB-I-05 (98-102)), were selected in consultation with the Department for analysis for SVOCs, pesticides and polychlorinated biphenyls (PCBs) by USEPA Methods 8270, 8081 and 8082, respectively. There were no SVOCs, pesticides or PCBs detected at concentrations above the laboratory reporting limits or Class GA Values in the groundwater samples. The complete results of the analyses of the groundwater samples for SVOCs, pesticides and PCBs are presented in *Table 2, Table 3* and *Table 4*, respectively.

5.3.3 Unfiltered and Filtered Metals in Groundwater

Five (5) groundwater samples (PC-SB-I-01 (58-62), PC-SB-I-01 (72-76), PC-SB-I-02 (58-62), PC-SB-I-05 (50-54), and PC-SB-I-05 (78-82)) were analyzed for unfiltered and filtered metals by USEPA Method 6010. Groundwater samples were selected from borings located both up-gradient (PC-SB-I-01 and PC-SB-I-02) and down-gradient (PC-SB-I-05) of the 26 Precision Drive property in order to determine if historic operations resulted in metals-related impacts to groundwater. Metals were detected in both unfiltered and filtered groundwater samples at concentrations above Class GA Values in each of the five (5) groundwater samples. However, only the typically naturally occurring metals iron, manganese, and sodium were detected above Class GA Values in the filtered samples.

A summary of the concentrations of metals detected above Class GA Values in the groundwater samples collected from the five selected intervals is presented in the table below and in *Table 5*.

			a. a	. ~ .											
	Sample Identification No. (Depth) (WG) (58-62) (WG) (72-76) (WG) (58-62) (WG) (50-54) (WG) (78-82) GA Value Date 3/3/14 3/3/14 2/27/14 3/4/14 3/4/14 μg/L μg/L<														
Groundwater	PC-SB-I-01	PC-SB-I-01	PC-SB-I-02	PC-SB-I-05	PC-SB-I-05	Class									
Sample	(WG) (58-62)	(WG) (72-76)	(WG) (58-62)	(WG) (50-54)	(WG) (78-82)	GA									
Identification						Value									
No. (Depth)															
Date	3/3/14	3/3/14	2/27/14	3/4/14	3/4/14										
Units	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L									
Unfiltered Meta	ıls:														
Antimony	< 60	< 60	< 60	31.7 J	24.5 J	3									
Arsenic	23.5	< 11.4	14.9	29.0	21.3	25									
Chromium	890	608	920	1,420	1,170	50									
Copper	277	132	310	305	239	200									
Iron	143,000	77,500	131,000	151,000	146,000	300									
Lead	64.3	28.4 J	45.3 J	31.3 J	60.4	25									
Manganese	4,760	2,520	3,360	2,540	4,280	300									
Nickel	162 J	138 J	278	185 J	296 J	100									
Sodium	38,300	10,200	36,800	82,400	60,000	20,000									
Filtered Metals:	;														
Iron	1,750	2,080	1,840	3,370	7,190	300									
Manganese	1,710	1,110	1,130	1,400	2,810	300									
Sodium	33,700	5,980	31,500	80,900	58,300	20,000									

Notes:

Depth is feet below the ground surface.

μg/L – micrograms per liter

J – Estimated value

Shading indicates results above Class GA Value.

With the exception of antimony, metals detected in the samples collected from down-gradient boring PC-SB-I-05 were also detected in groundwater collected upgradient of 26 Precision Drive (PC-SB-I-01 and/or PC-SB-I-02) and at similar concentrations. Antimony was not detected in the filtered samples, and as stated above, the only metals detected above Class GA Values in the filtered samples are the typically naturally occurring metals iron, manganese and sodium. Therefore, there is no evidence of metals-related impacts from the 26 Precision Drive property in downgradient groundwater in the OU-2 study area.

5.4 Data Usability

The results of the data validation are summarized in Data Usability Summary Reports (DUSRs). The DUSRs are provided in *Appendix G* and include a discussion on each qualified result, the potential bias and the effects on data usability. The analytical data was found to be valid and usable for decision making

6.0 FINDINGS AND RECOMMENDATIONS

The OU-2 RI field activities were completed between January 2014 and July 2014 in general accordance with the NYSDEC DER WA No. D007620-13 Notice to Proceed letter dated June 4, 2013, the NYSDEC - WA Approval letter dated November 19, 2013, and DER-10, Technical Guidance for Site Investigation and Remediation. Based on the results of analyses of the grab groundwater samples (i.e., no VOCs were detected above Class GA Values) it was decided, in consultation with the Department, that installation of the originally planned groundwater monitoring wells, and sediment and surface water sampling were not required. Findings and recommendations, based on the results of the RI, are presented below.

6.1 Findings

6.1.1 EC Probes

Based on EC probes advanced during the RI, there are apparent multiple higher permeable geologic units throughout and at different elevations in OU-2; however, a single continuous higher permeability unit was not found in the OU-2 study area. The discontinuous array of apparent higher permeability units across OU-2 may allow for vertical and horizontal migration of contamination; however, no impacts to groundwater (attributable to the OU-1 site) were detected in OU-2.

6.1.2 Groundwater

Depth to groundwater throughout OU-2, based on historic investigations completed in connection with OU-1, the EC data and the occurrence of groundwater available for sampling was found to vary between approximately ten (10) feet bgs (PC-SB-III-01) and fifty (50) feet bgs (PC-SB-I-01). Based on historic investigations completed for Precision Concepts OU-1 and continued BNL groundwater monitoring, the predominant direction of groundwater flow in OU-2 is expected to be to the south/southwest, towards the Carmans River. Specific conclusions regarding groundwater quality conditions are presented below.

A total of 139 direct push grab groundwater samples were collected at 21 soil borings locations designated PC-SB-I-01 through PC-SB-II-09, PC-SB-II-01 through PC-SB-II-09, and PC-SB-III-01 through PC-SB-III-03, and submitted for laboratory analysis. Each of the 139 grab groundwater samples collected were analyzed for VOCs according to USEPA Method 8260. There were no VOCs detected at concentrations above the Class GA Values in the 139 groundwater samples. The complete results of the analyses for VOCs of the groundwater samples from OU-2 are presented in *Table 1*.

Seven (7) groundwater samples (PC-SB-I-01 (58-62), PC-SB-I-01 (72-76), PC-SB-I-02 (58-62), PC-SB-I-05 (50-54), PC-SB-I-05 (58-62), PC-SB-I-05 (78-82) and PC-SB-I-05 (98-102)) were selected in consultation with the Department for analysis for SVOCs, pesticides and PCBs by USEPA Methods 8270, 8081 and 8082, respectively. There were no SVOCs, pesticides or PCBs detected at concentrations

above the laboratory reporting limits or Class GA Values in the groundwater samples collected from OU-2.

Five (5) groundwater samples (PC-SB-I-01 (58-62), PC-SB-I-01 (72-76), PC-SB-I-02 (58-62), PC-SB-I-05 (50-54), and PC-SB-I-05 (78-82)) collected from both upgradient and down-gradient locations relative to 26 Precision Drive were analyzed for unfiltered and filtered metals by USEPA Method 6010. Metals were detected at concentrations above Class GA Values in each of the unfiltered and filtered samples. With the exception of antimony, metals detected in the samples collected from down-gradient boring PC-SB-I-05 were also detected in groundwater collected upgradient of 26 Precision Drive (PC-SB-I-01 and/or PC-SB-I-02) and at similar concentrations. Antimony was not detected in the filtered samples, and the only metals detected above Class GA Values in the filtered samples are the typically naturally occurring metals iron, manganese and sodium. Therefore, there is no evidence of metals-related impacts from the 26 Precision Drive property in downgradient groundwater in the OU-2 study area.

The analytical results were reviewed by the Department and it was decided that considering the absence of any VOC, SVOC, pesticide or PCB above Class GA Values and the indication of no metals of concern in filtered samples, no additional investigation activities, including the originally planned monitoring well installation and the collection of surface water and sediment samples, was necessary in OU-2.

Based on the absence of any VOC, SVOC, pesticide or PCB above Class GA Values, along with the absence of metals of concern in groundwater from the samples collected across OU-2, and the inferred groundwater flow direction (south/southwest), it does not appear that a source with the potential to cause discharges to the Carmans River of contaminated groundwater, originating from the Precision Concepts property at 26 Precision Drive, exist between OU-1 and River Road.

6.2 Recommendations

Based on the findings of the RI, there does not appear to be an existing source of contaminated groundwater in OU-2, derived from the Precision Concepts Site (OU-1), that is or has the potential to discharge to the Carmans River. Therefore no further action is recommended.

7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

TRC Engineers, Inc. (TRC) performed a Remedial Investigation (RI) for the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) of the Precision Concepts, Inc. Operable Unit 2 (OU-2) Site which encompasses the area downgradient of 26 Precision Drive in Shirley, New York. The RI was performed in general accordance with the NYSDEC DER WA No. D007620-13 Notice to Proceed letter dated June 4, 2013, the NYSDEC - WA Approval letter dated November 19, 2013, and DER-10, Technical Guidance for Site Investigation and Remediation.

TRC Engineers, Inc.

Mare E. L.

Prepared By:

Marc E. Flanagan Project Manager

8.0 REFERENCES

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER)-10, Technical Guidance for Site Investigation and Remediation dated May 2010.
- 6 NYCRR 375, Remedial Program Requirements
- 6 NYCRR 703, Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations
- NYSDEC Division of Environmental Remediation (DER) Bureau of Program Management Work Assignment (WA) Notice to Proceed letter dated June 4, 2013.
- NYSDEC Division of Environmental Remediation (DER) Bureau of Program Management Work Assignment (WA) Approval Letter dated November 19, 2013.
- Focused Remedial Investigation Work Plan, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, September 1998, Kempy Engineering & General Consolidated Industries, Inc.
- Focused Remedial Investigation Report, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, July 1999, Kempy Engineering & General Consolidated Industries, Inc.
- <u>Supplemental Remedial Investigation Work Plan, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, August 2000, Kempy Engineering & General Consolidated Industries, Inc.</u>
- Supplemental Remedial Investigation On-Site Groundwater Study Report, Precision Concepts, 26
 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, January 2001, General Consolidated Industries, Inc. & Kempy Engineering.
- <u>Precision Concepts, Operable Unit 1, Brookhaven (T), Suffolk County, New York Site No. 1-52-158, Proposed Remedial Action Plan, January 2002, New York State Department of Environmental Conservation, Division of Environmental Remediation.</u>

TABLES

TRC ENGINEERS, INC. September 8, 2014

						PC-SB-I-01	PC-SB-I-01	PC-SB-I-01	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-
	CAMDLE ID	PC-SB-I-01		PC-SB-I-01	PC-SB-I-01	(WG) (98-	(WG) (108-	(WG) (118-	02(WG)(58-	02(WG)(68-	02(WG)(78-	02(WG)(88-	02(WG)(98-	02(WG)(108-	02(WG)(118-	03(WG)(48-	03(WG)(58-	03(WG)(68-	03(WG)(78-	03(WG)(88-	03(WG)(98-	03(WG)(108-		04(WG)(58-	04(WG)(68-
		(WG) (48-52) R1401463-001				102) R1401463-005	112) R1401463-006	122) R1401463-007	62) R1401360-013	72) R1401360-011	82) R1401360-010	92) R1401360-009	102) R1401360-008	112) R1401360-007	122) R1401360-006	52) R1401360-021	62) R1401360-020	72) R1401360-019	82) R1401360-018 I	92) R1401360-017	102) 7 R1401360-016	R1401360-015	122) R1401360-014 I	R1401360-004 I	72) R1401360-00
	COLLECTION DATE	-	3/3/2014	3/3/2014	3/3/2014	3/3/2014	3/3/2014	3/3/2014	2/27/2014	2/27/2014	2/27/2014	2/27/2014	2/27/2014	2/27/2014	2/27/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/28/2014	2/26/2014	2/26/2014
	SAMPLE MATRIX	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
VOLATILE ORGANIC COMPOUNDS (VOCs)	UNITS Class GA Value*	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results	μg/L Results
1,1,1-Trichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ		1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U		1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1 5	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	0.20 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U 1.0 U
1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	5 5	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U
1,2-Dibromo-3-chloropropane	0.04	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U
1,2-Dibromoethane	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U
1,2-Dichloropropane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,3-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
1,4-Dichlorobenzene 1,4-Dioxane (p-Dioxane)	3 NC	1.0 U	1.0 U	1.0 U 40 UJ	1.0 U 40 III	1.0 U 40 UJ	1.0 U 40 UJ	1.0 UJ 40 UJ	1.0 UJ 40 III	1.0 U 40 U	1.0 UJ 40 UJ	1.0 U 40 U	1.0 U	1.0 U 40 U	1.0 U 40 U	1.0 U	1.0 U 40 U	1.0 U 40 U	1.0 UJ 40 UJ	1.0 U	1.0 U 40 U	1.0 UJ 40 UJ	1.0 UJ 40 UJ	1.0 UJ	1.0 U 40 UJ
2-Butanone	50	1.7 J	5.0 U	5.0 U	0.92 J	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U
tert-butyl Alcohol	NC NC	40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 UJ 5.0 UJ	40 U	40 UJ	40 U 5.0 U	40 U	40 U	40 U 5.0 U	40 U 5.0 U	40 U	40 U	40 UJ	40 U 50 U	40 U	40 UJ	40 UJ 5.0 UJ	40 UJ	40 U 5.0 U
4-Methyl-2-pentanone Acetone	NC 50	3.0 U 3.1 J	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 2.1 J	5.0 U 5.0 U	5.0 U 5.0 U	5.0 UJ 5.0 UJ	5.0 UJ 5.0 UJ	5.0 U 5.0 U	5.0 UJ 5.0 UJ	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 1.6 J	2.0 J	5.0 U 5.0 U	5.0 U 1.4 J	5.0 U 5.0 U	5.0 UJ 2.1 J	3.0 U 1.4 J	5.0 U 1.7 J	5.0 UJ 5.0 UJ	1.9 J	5.0 UJ 5.0 UJ	5.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Bromochiloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Bromodichloromethane Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ	1.0 U 1.0 U
Bromomethane	5	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Carbon disulfide	60	1.0 U	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	0.22 J	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Carbon tetrachloride Chlorobenzene	5 5	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Chloroform	7	1.2	1.7	1.3	0.58 J	1.0 U	1.0 U	1.0 UJ	0.59 J	0.95 J	0.57 J	1.5	1.3	0.7 J	0.27 J	1.2	1.5	1.4	1.2 J	1.2	0.86 J	0.49 J	0.55 J	1.2 J	1.5
Chloromethane Cyclohexane	5 NC	0.43 J	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ	1.0 U 1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Dichlorodifluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Methylene chloride	5	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ	1.0 U 1.0 U
Ethylbenzene Isopropylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 UJ	1.0 UJ 1.0 UJ	1.0 U
Methyl acetate	NC	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U
Methyl-tert-butyl-ether	10 NG	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Methylcyclohexane Styrene	NC 5	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U
Tetrachloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Toluene	5	0.26 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	0.36 J	0.38 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	0.35 J	1.0 UJ	1.0 U
Trichloroethene Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ	1.0 U 2.0 U	1.0 UJ 2.0 UJ	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U	1.0 U	1.0 UJ 2.0 UJ	1.0 U 2.0 U	1.0 U 2.0 U	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ	1.0 UJ	1.0 U 2.0 U
m,p-Xylene o-Xylene	5	2.0 U 1.0 U	2.0 U	2.0 U	2.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 UJ	2.0 UJ 1.0 UJ	1.0 U	1.0 UJ	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U	2.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	1.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ 1.0 UJ	2.0 U
tert-Amyl Methyl Ether	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
trans-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
trans-1,3-Dichloropropene Tentotively Identified Compounds	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U
Tentatively Idenitified Compounds 1-Butene	NC	ND	ND	ND	5.4 JN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene	NC	ND	ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5 JN	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1-Propene, 2-methyl-	NC NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknowns	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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μg/L - micrograms per liter

J - Estimated value

N - Presumptive evidence of a compound based on the MS library search.

NC - No criterion

ND - Not detected.

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected

 \ast - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

TRC ENGINEERS, INC.

		PC-SB-I-	PC-SB-I-						PC-SB-I-05	PC-SB-I-05	PC-SB-I-05				PC-SB-I-06	PC-SB-I-06	PC-SB-I-06	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-			PC-SB-I-08
		04(WG)(80-	04(WG)(96-	PC-SB-I-05	PC-SB-I-05	PC-SB-I-05	PC-SB-I-05	PC-SB-I-05	(WG) (98-	(WG) (108-	(WG) (116-	PC-SB-I-06	PC-SB-I-06	PC-SB-I-06	(WG) (98-	(WG) (108-	(WG) (116-	07(WG)(74-	07(WG)(88-		07(WG)(108-	07(WG)(118-	PC-SB-I-08	PC-SB-I-08	(WG) (98-
	SAMPLE ID	84)	100)	(WG) (50-54)	(WG) (58-62)	`	` / ` /	(WG) (88-92)	102)	112)	120)	` / ` /	() ()	(WG) (78-82)	102)	112)	120)	78)	92)	102)	112)	122)	(WG) (74-78)	` ' ` '	102)
	COLLECTION DATE	R1401360-002 2/26/2014	2/26/2014	3/4/2014	R1401463-010 3/4/2014	3/4/2014	R1401463-012 3/4/2014	R1401463-013 3/4/2014	R1401463-014 3/4/2014	R1401463-015 3/4/2014	R1401463-016 3/4/2014	3/5/2014	R1401550-002 3/5/2014	3/5/2014	R1401550-004 3/5/2014	R1401550-005 3/5/2014	3/5/2014	3/6/2014	3/6/2014	R1401550-010 3/6/2014	R1401550-011 3/6/2014	R1401550-012 3/6/2014	3/7/2014	R1401550-015 3/7/2014	3/7/2014
	SAMPLE MATRIX	2/20/2014 Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
	UNITS	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
VOLATILE ORGANIC COMPOUNDS (VOCs)	Class GA Value*	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane 1,1,2,2-Tetrachloroethane	5 5	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
1,1,2-Trichloroethane	1	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane 1,1-Dichloroethane	5	1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ		1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
1,1-Dichloroethane	5 5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2,3-Trichlorobenzene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2,4-Trichlorobenzene 1,2-Dibromo-3-chloropropane	5 0.04	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ		1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 UJ 2.0 UJ	1.0 UJ 2.0 UJ
1,2-Dibromoethane	0.0006	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2-Dichlorobenzene	3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2-Dichloroethane 1,2-Dichloropropane	0.6 1	1.0 UJ 1.0 III	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ		1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
1,3-Dichlorobenzene	3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,4-Dichlorobenzene	3	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,4-Dioxane (p-Dioxane) 2-Butanone	NC 50	40 UJ 5.0 UJ	40 UJ 5.0 UJ	40 UJ 5.0 UJ	40 UJ 5.0 U	40 UJ 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 UJ 5.0 UJ	40 UJ 5.0 UJ	40 UJ 5.0 UJ	40 UJ 5.0 UJ		40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 UJ 5.0 UJ	40 UJ 5.0 UJ
2-Hexanone	50	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
tert-butyl Alcohol	NC NG	40 UJ	40 UJ	40 UJ	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 UJ	40 UJ	40 UJ		40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 UJ
4-Methyl-2-pentanone Acetone	NC 50	5.0 UJ 5.0 UJ	5.0 UJ 5.0 UJ	5.0 UJ 1.8 J	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 1.7 J	5.0 U 1.5 J	5.0 UJ 2.6 J	5.0 UJ 5.4 J	5.0 UJ 1.9 J	5.0 UJ 2.1 J	5.0 UJ 2.7 J	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 5.0 U	5.0 U 1.6 J	5.0 U 5.0 U	5.0 UJ 5.0 UJ	5.0 UJ 5.0 UJ
Benzene	1	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Bromochiloromethane	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Bromodichloromethane Bromoform	50 50	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
Bromomethane	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Carbon disulfide	60	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	0.26 J	1.0 UJ	1.0 UJ	0.23 J	1.0 U	1.0 U	1.0 U	1.0 U	0.23 J	1.0 U	1.0 UJ	1.0 UJ
Carbon tetrachloride Chlorobenzene	5 5	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
Chloroethane	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Chloroform Chloromethane	7	1.2 J	0.98 J 1.0 UJ	0.33 J 1.0 UJ	1.0 U 1.0 U	1.1 1.0 U	1.0	0.90 J 1.0 U	0.53 J 1.0 U	0.55 J 1.0 U	0.36 J 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	0.76 J 1.0 UJ	0.82 J 1.0 UJ	0.59 J 1.0 UJ	0.65 J 1.0 UJ	1.0 U	1.0 U 1.0 U	0.81 J	1.2 1.0 U	1.1 1.0 U	1.0 U 1.0 U	0.32 J 1.0 UJ	0.77 J 1.0 UJ
Chloromethane Cyclohexane	NC	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Dibromochloromethane	50	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Dichlorodifluoromethane Methylene chloride	5 5	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ		1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
Ethylbenzene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Isopropylbenzene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Methyl acetate Methyl-tert-butyl-ether	NC 10	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ		2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ
Methylcyclohexane	NC	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Styrene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Tetrachloroethene Toluene	5 5	1.0 UJ 1.0 TIT	1.0 UJ 1.0 UJ	0.91 J 1.0 UJ	1.8 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ		1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
Trichloroethene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.22 J	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Trichlorofluoromethane	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ		1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Vinyl chloride cis-1,2-Dichloroethene	5	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ		1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
cis-1,3-Dichloropropene	0.4	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
m,p-Xylene	5	2.0 UJ	2.0 UJ 1.0 UJ	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U 1.0 U	2.0 U	2.0 U 1.0 U	2.0 UJ 1.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ 1.0 UJ		2.0 U	2.0 U 1.0 U	2.0 U	2.0 U 1.0 U	2.0 U	2.0 U 1.0 U	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ
o-Xylene tert-Amyl Methyl Ether	NC	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
trans-1,2-Dichloroethene	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
trans-1,3-Dichloropropene	0.4	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Tentatively Idenitified Compounds	NC	ND	ND	ND	MD	MD	MD	MD	MD	ND	MD	MD	ND	NID	ND	ND	ND	ND	MD	MD	ND	ND	ND	ND	ND
1-Butene Propylene	NC NC	ND ND	ND ND	ND ND	ND ND	ND ND	ND 5.2 JN	ND ND	ND ND	ND ND	ND ND	ND ND	9.2 JN	ND 9.8 JN	ND 7.3 JN	12 JN	33 JN	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1-Propene, 2-methyl-	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.3 JN	17 JN	ND	ND	ND	ND	ND	ND	ND	ND
Unknowns	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.7 J	ND

Notes:

 $\mu g/L$ - micrograms per liter

J - Estimated value

N - Presumptive evidence of a compound based on the MS library search.

NC - No criterion ND - Not detected.

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect. Values in **bold** indicate the compound was detected

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

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		PC-SB-I-08	PC-SB-I-08	PC-SB-I-08	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-	PC-SB-I-							PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-
		(WG) (108-	(WG) (120-	(WG) (136-	09(WG) (64-				09(WG) (108-				09(WG) (150-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	02(WG) (68-					02(WG) (118-
	SAMPLE ID	112)	124)	140)	68)	78)	92)	102)	112)	122)	132)	140)	154)	01(68-72)	01(78-82)	01(88-92)	01(98-102)	` ′	01(118-122)	72)	82)	92)	102)	112)	122)
		R1401550-017		8 R1401550-019		+						7 R1401731-008			1	R1401731-013	R1401731-014		R1401731-016		R1401755-002		R1401755-004 1		R1401755-006
	COLLECTION DATE SAMPLE MATRIX		3/7/2014 Water	3/7/2014	3/10/2014	3/10/2014 Water	3/10/2014	3/10/2014	3/10/2014 Water	3/10/2014 Water	3/10/2014 Water	3/10/2014	3/10/2014 Water	3/11/2014 Water	3/11/2014 Water	3/11/2014	3/11/2014	3/11/2014 Water	3/11/2014 Water	3/12/2014 Water	3/12/2014 Water	3/12/2014 Water	3/12/2014	3/12/2014	3/12/2014 Water
	UNITS	Water µg/L	water µg/L	Water µg/L	Water µg/L	Water µg/L	Water µg/L	Water µg/L	water µg/L	water μg/L	water μg/L	Water µg/L	Water µg/L	water µg/L	Water µg/L	Water µg/L	Water µg/L	Water µg/L	Water µg/L	water µg/L	water µg/L	water μg/L	Water µg/L	Water µg/L	water µg/L
VOLATILE ORGANIC COMPOUNDS (VOCs)	Class GA Value*	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	5	1.0 UJ	1.0 U	1.1 J	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-trifluoroethane	1 5	1.0 UJ	1.0 U	1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U
1,1-Dichloroethane	5	1.0 UJ	1.0 U	0.32 J	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,1-Dichloroethene	5	1.0 UJ	1.0 U	0.84 J	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,2,3-Trichlorobenzene 1,2,4-Trichlorobenzene	5	1.0 UJ	1.0 U 1.0 U		1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U
1,2-Dibromo-3-chloropropane	0.04	2.0 UJ	2.0 U		2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U
1,2-Dibromoethane	0.0006	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,2-Dichlorobenzene	3	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,2-Dichloroethane 1,2-Dichloropropane	0.6	1.0 UJ 1.0 III	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U
1,3-Dichlorobenzene	3	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,4-Dichlorobenzene	3	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
1,4-Dioxane (p-Dioxane)	NC 50	40 UJ	40 U 5.0 U	40 UJ 0.96 J	40 U 5.0 U	40 UJ 5.0 UJ	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 UJ 1.5 J	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 UJ 5.0 UJ	40 UJ 5.0 UJ	40 UJ 5.0 UJ	40 U 5.0 U	40 U 5.0 U
2-Butanone 2-Hexanone	50	5.0 UJ	5.0 U		5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U
tert-butyl Alcohol	NC	40 UJ	40 U	40 UJ	40 U	40 UJ	40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 UJ	40 UJ	40 U	40 U
4-Methyl-2-pentanone	NC	5.0 UJ	5.0 U	5.0	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ	5.0 U	5.0 U
Acetone Benzene	50	3.0 J	2.3 J	2.7 J 1.0 UJ	5.0 U 1.0 U	1.4 J 1.0 UJ	5.0 U 1.0 U	5.0 U 1.0 U	5.0 U 1.0 U	5.0 U 1.0 U	5.0 U 1.0 U	1.4 J	2.8 J 0.22 J	5.0 U	5.0 U	5.0 U	5.0 U 1.0 U	5.0 U 1.0 U	5.0 U 1.0 U	5.0 U 1.0 U	5.0 UJ 1.0 UJ	5.0 UJ 1.0 UJ	5.0 UJ 1.0 UJ	5.0 U	5.0 U 1.0 U
Bromochiloromethane	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Bromodichloromethane	50	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Bromoform	50	1.0 UJ	1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U	1.0 U
Bromomethane Carbon disulfide	60	0.53 J	1.0 U	$\begin{array}{c c} 0.23 & \mathbf{J} \\ \end{array}$	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.31 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Carbon tetrachloride	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Chlorobenzene	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Chloroethane Chloroform	5 7	0.71 J	1.0 U 0.71 J	1.0 UJ 1.1 J	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 0.25 J	1.0 U 0.53 J	1.0 U 1.2	1.0 U 1.3	1.0 U 0.87 J	1.0 U 1.1	1.0 UJ 0.62 J	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 0.63 J	1.0 U 0.70 J	1.0 U 0.75 J	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 0.52 J	1.0 U 0.64 J	1.0 U 0.57 J
Chloromethane	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Cyclohexane	NC	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Dibromochloromethane Dichlorodifluoromethane	50 5	1.0 UJ	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U
Methylene chloride	5	1.0 UJ	1.0 U		1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Ethylbenzene	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Isopropylbenzene	5 NC	1.0 UJ	1.0 U 2.0 U		1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ 2.0 UJ	1.0 U 2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U 2.0 U	1.0 U 2.0 U
Methyl acetate Methyl-tert-butyl-ether	10	2.0 UJ 1.0 UJ	2.0 U 1.0 U		2.0 U 1.0 U	2.0 UJ 1.0 UJ	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U		2.0 UJ 1.0 UJ	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 U 1.0 U	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ	2.0 UJ 1.0 UJ	2.0 U	2.0 U
Methylcyclohexane	NC	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Styrene Tetrachloroethone	5	1.0 UJ	1.0 U		1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Tetrachloroethene Toluene	5	0.53 J	1.0 U 0.31 J	1.0 UJ 0.33 J	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 0.44 J	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 0.20 J	1.0 U 0.37 J	1.0 U 1.0 U
Trichloroethene	5	1.0 UJ	0.22 J	0.65 J	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.23 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Trichlorofluoromethane	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Vinyl chloride cis-1,2-Dichloroethene	2	1.0 UJ	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U
cis-1,3-Dichloropetnene	0.4	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
m,p-Xylene	5	0.34 J	2.0 U	2.0 UJ	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ	2.0 U	2.0 U
o-Xylene	5	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
tert-Amyl Methyl Ether trans-1,2-Dichloroethene	NC 5	1.0 UJ 1.0 UJ	1.0 U 1.0 II	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U
trans-1,3-Dichloropropene	0.4	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U	1.0 U
Tentatively Idenitified Compounds																									
1-Butene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene	NC NC	ND 6 IN	ND ND	ND ND	ND ND	12 JN ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	34 JN	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
1-Propene, 2-methyl- Unknowns	NC NC	6 JN 23 J	7 J	15 J	7.2 J	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	7 J	ועא 10 J	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND
			, ,					1	· I											- 1		1			

 $\mu g/L$ - micrograms per liter

J - Estimated value

N - Presumptive evidence of a compound based on the MS library search.

NC - No criterion ND - Not detected.

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

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		PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-	PC-SB-II-				PC-SB-II-05	PC-SB-II-05	PC-SB-II-05	PC-SB-II-
		02(WG) (128-			03(WG)(66-	03(WG)(76-	03(WG)(86-	03(WG)(98-	03(WG)(108-		04(WG)(68-	04(WG)(78-					04(WG)(130-	04(WG)(144-	PC-SB-II-05	PC-SB-II-05	PC-SB-II-05	(WG) (100-	(WG) (110-	(WG) (120-	06(WG)(58-
	SAMPLE ID	132)	142)	152)	70)	80)	90)	102)	112)	122)	72)	82)	92)	104)	114)	124)	134)	148)	` ' ' '	(WG) (78-82)	· / ` /	104	114	124	62)
						R1402135-018				R1402135-022		R1402135-009			-		R1402135-014			R1402135-002	+	+	R1402135-005	R1402135-006	-
	COLLECTION DATE SAMPLE MATRIX	3/12/2014 Water	3/12/2014 Water	3/12/2014 Water	3/28/2014 Water	3/28/2014 Water	3/28/2014 Water	3/28/2014 Water	3/28/2014 Water	3/28/2014 Water	3/27/2014 Water	3/27/2014 Water	3/27/2014 Water	3/27/2014 Water	3/27/2014 Water	3/27/2014 Water	3/27/2014 Water	3/27/2014 Water	3/26/2014 Water	3/26/2014 Water	3/26/2014 Water	3/26/2014 Water	3/26/2014 Water	3/26/2014 Water	3/19/2014 Water
	UNITS	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
VOLATILE ORGANIC COMPOUNDS (VOCs)	Class GA Value*	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results	Results
1,1,1-Trichloroethane	5	1.0 UJ	1.0 U	0.83 J	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U							
1,1,2,2-Tetrachloroethane 1,1,2-Trichloroethane	5	1.0 UJ	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	1.0 UJ	1.0 U	0.27 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U							
1,1-Dichloroethene 1,2,3-Trichlorobenzene	5 5	1.0 UJ	1.0 U 1.0 U	0.57 J	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U							
1,2,4-Trichlorobenzene	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dibromoethane 1,2-Dichlorobenzene	0.0006	1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U		1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U
1,2-Dichlorobenzene 1,2-Dichloroethane	0.6	1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U 1.0 U
1,2-Dichloropropane	1	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene 1,4-Dioxane (p-Dioxane)	3 NC	1.0 UJ 40 UJ	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 U	1.0 U 40 UJ	1.0 U 40 UJ
2-Butanone	50	5.0 UJ	5.0 U	0.89 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U		5.0 U	5.0 U	5.0 U	5.0 U							
2-Hexanone	50	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	3.0	5.0 U	5.0 U	5.0 U	5.0 U
tert-butyl Alcohol 4-Methyl-2-pentanone	NC NC	40 UJ	40 U 5.0 U	40 U 50 U	40 U 5.0 U	40 U 50 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U 5 0 U	40 U 5.0 U	40 U 5.0 U	40 U 5.0 U	40 U	40 U 5.0 U	40 U 50 U	40 U 50 U	40 U 50 U	40 U 5.0 U	40 U 5.0 U	40 U 50 U	40 U 5.0 U
Acetone	50	5.0 UJ	2.1 J	2.8 J	1.4 J	1.4 J	5.0 U	5.0 U	5.0 U	1.7 J	1.7 J	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	5.0 UJ	1.7 J	3.0 J	1.4 J	5.0 U	3.0	5.0 U	5.0 U	1.5 J	1.6 J
Benzene	1	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0	1.0 U				
Bromochiloromethane Bromodichloromethane	5	1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform Bromoform	50 50	1.0 UJ	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U
Bromomethane	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 U						
Carbon disulfide	60	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride Chlorobenzene	5 5	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U
Chloroethane	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	0.93 J	0.96 J	1.1	0.48 J	0.43 J	0.26 J	0.33 J	0.36 J	0.67 J	0.66 J	1.0 U	1.0 U	0.31 J	0.28 J	0.56 J	0.90 J	0.80 J	1.0 U	0.43 J	0.61 J	0.27 J	0.44 J	0.49 J	1.0 U
Chloromethane Cyclohexane	5 NC	1.0 UJ 1.0 IJI	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U
Dibromochloromethane	50	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride Ethylbenzene	5	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	0.39 J 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	0.38 J 1.0 U	0.95 J 1.0 U	0.49 J 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U		1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U
Isopropylbenzene	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	NC	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U		2.0 U	2.0 U	2.0 U	2.0 U
Methyl-tert-butyl-ether Methylcyclohexane	10 NC	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U		1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U		1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U
Styrene	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	1.0 UJ	1.0 U	0.58 J	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene Trichlorofluoromethane	5	1.0 UJ 1.0 UJ	1.0 U 1.0 U	0.58 J 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U
Vinyl chloride	2	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene m,p-Xylene	0.4 5	1.0 UJ 2.0 UJ	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U		1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U	1.0 U 2.0 U
o-Xylene	5	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
tert-Amyl Methyl Ether	NC	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	5 0.4	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U
^ ^	0.4	1.0 UJ	1.0 U	1.U U	1.0 0	1.0 U	1.0 U	1.U U	1.0 U	1.U U	1.U U	1.U U	1.0 U	1.0 U	1.0 0	1.0 U	1.0 U	1.0 0	1.0 U	1.0 U	1.0 0	1.0 0	1.0 U	1.U U	1.0 U
Tentatively Idenitified Compounds 1-Butene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Propylene	NC	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.9 JN	ND	ND	ND	ND	ND	ND	ND	ND
1-Propene, 2-methyl-	NC NC	ND ND	ND ND	ND	ND ND	ND	ND	ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND ND	ND ND	ND	ND
Unknowns	NC	ND	ND	9.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND							

Notes:

 $\mu g/L$ - micrograms per liter

J - Estimated value

N - Presumptive evidence of a compound based on the MS library search.

NC - No criterion ND - Not detected.

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected * - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

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Part
Part
Column
SAMTE MATER STATE
Sept. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
1.3. Fragment 1.3. Fragmen
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1-2-bis-observations
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14. Printage (Printage) 15. Printage (Pr
2 Adjustices 50 5.0 U 5.0
instruct Model NC
Absolight September 1
Accorde 50
Brownechshare 5
Romardshorowerhane
Bromscheme 5 1,0 U
Carbon desidalide 60 10 10 10 10 10 10 10 10 10
Carbon terachioride 5
Chloresthermer 5 1,0 U 1
Chlorosform Chloro
Chloromethane
Cyclohexane
Dichlorodiffluromethane 5 1.0 U 1.0
Methylene chloride
Ethylbenzene 5 1.0 U 1.0
Isopropylenzene 5
Methyl-tetr-butyl-ether 10 1.0 U 1.0
Methylcyclohexane NC 1.0 U 1.0
Styrene 5 1.0 U 1.
Toluene 5 1.0 U 1.
Trichloroethene 5 1.0 U
Trichlorofluoromethane 5 1.0 U
Vinyl chloride 2 1.0 U 1
cis-1,3-Dichloropropene 0.4 1.0 U 1.
m,p-Xylene 5 2.0 U
o-Xylene 5 1.0 U 1
trans-1,2-Dichloroethene 1.0 U 1.0
trans-1,3-Dichloropropene 0.4 1.0 U
Tentatively Idenitified Compounds
1-Butene NC ND
Propylene NC ND
Unknowns NC ND

Notes:

 $\mu g/L$ - micrograms per liter

J - Estimated value

N - Presumptive evidence of a compound based on the MS library search.

NC - No criterion ND - Not detected.

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

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						Т			<u> </u>			 		1			 			
		PC-SB-III-01	PC-SB-III-01	DC SR III 01	PC-SB-III-01	PC SR III 01	DC SR III 02	PC SR III 02	PC SB III 02	PC SR III 02	PC SR III 02	PC SB III 02	DC SR III 02	PC SR III 02	PC-SB-III-02	DC SB III 03	PC SB III 03	PC SB III 03	DC SB III 03	DC SB III 03
	SAMPLE ID	(WG) (28-32)			(WG) (76-80)										(WG) (86-90)					
		R1402066-018	` / ` /	R1402066-020	R1402066-021	` ' ' '	R1402066-001	, , , , ,	R1402066-003	, , , , ,	` ' ' '	` ' ' '	, , , , ,		R1402066-009	` ' ' '	<u> </u>	` ' ` '	R1402066-013	` ' ' '
	COLLECTION DATE	3/25/2014	3/25/2014	3/25/2014	3/25/2014	3/25/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014	3/24/2014
	SAMPLE MATRIX	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water
	UNITS	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	µg/L	water μg/L	ug/L	μg/L	μg/L	water μg/L	μg/L	water μg/L	ug/L	ug/L
VOLATILE ORGANIC COMPOUNDS (VOCs)		1.9	10	10	10	1.8	1.0	10	1.0	10	10	10	10	10	·	10	1		1.0	10
1,1,1-Trichloroethane	Class GA Value*	Results	Results	Results 1.0 U	Results	Results	Results 1.0 U	Results	Results 1.0 U	Results 1.0 U	Results 1.0 U	Results 0.97 J	Results 0.4 J	Results 0.58 J	Results	Results 1.0 U	Results	Results	Results	Results 1.0 UJ
1,1,2,2-Tetrachloroethane	5 5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 UJ
1,1,2-Trichloroethane	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,1-Dichloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		0.22 J	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,1-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	0.72 J	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2,3-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2,4-Trichlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2-Dibromo-3-chloropropane	0.04	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U		2.0 U	2.0 UJ	2.0 UJ
1,2-Dibromoethane	0.0006	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,2-Dichlorobenzene 1,2-Dichloroethane	3	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
1,2-Dichloroethane 1,2-Dichloropropane	0.6	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
1,3-Dichlorobenzene	3	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
1,4-Dichlorobenzene	3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
1,4-Dioxane (p-Dioxane)	NC	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 U	40 U	40 UJ	40 U	40 U	40 U	40 UJ	40 UJ
2-Butanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
2-Hexanone	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
tert-butyl Alcohol	NC	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 UJ	40 U	40 U	40 UJ	40 U	40 U	40 U	40 UJ	40 UJ
4-Methyl-2-pentanone	NC	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 UJ
Acetone	50	1.8 J	5.0 U	5.0 U	5.0 U	1.5 J	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U	2.1 J	1.4 J	5.0 U	5.3	5.0 UJ	4.1 J
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Bromochiloromethane Bromodichloromethane	5	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
Bromodicnioromethane Bromoform	50 5 0	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ	1.0 UJ
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Carbon disulfide	60	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	0.32 J	1.0 U	1.0 U	1.0 U	1.0 UJ	0.28 J
Carbon tetrachloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Chlorobenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Chloroethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Chloroform	7	0.7 J	1.0	0.81 J	0.73 J	1.0 U	0.25 J	1.0 U	1.0 U	0.5 J	1.2	1.0 J	0.47 J	0.54 J	1.0 UJ	1.0 U	1.0 U	0.27 J	0.45 J	0.53 J
Chloromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U		1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Cyclohexane Dibromochloromethane	NC 50	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U	1.0 UJ	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
Dichlorodifluoromethane	50 5	1.0 U	1.0 U	1.0 U	2.4	2.0	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U 1.0 U	1.0 UJ 1.2 J	0.58 J	1.0 U 0.46 J	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ	1.0 UJ
Methylene chloride	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Ethylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Isopropylbenzene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Methyl acetate	NC	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
Methyl-tert-butyl-ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Methylcyclohexane	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Styrene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Tetrachloroethene	5	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ
Toluene Trichloroethene	5 5	1.0 U	1.0 U	0.6 J	0.58 J	1.0 U	1.0 U 1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ 1.3 J	1.0 U 0.59 J	1.0	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	0.31 J 1.0 UJ
Trichlorofluoromethane	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Vinyl chloride	2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
cis-1,2-Dichloroethene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
m,p-Xylene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 UJ
o-Xylene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
tert-Amyl Methyl Ether	NC	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 UJ
trans-1,2-Dichloroethene	5 0.4	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U	1.0 U	1.0 UJ 1.0 UJ	1.0 U 1.0 U	1.0 U 1.0 U	1.0 U 1.0 U	1.0 UJ 1.0 UJ	1.0 UJ 1.0 UJ
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 UJ	1.0 0	1.0 U	1.0 U	1.0 UJ	1.0 UJ
Tentatively Idenitified Compounds	NG			3.75			3.770	377		3.77	,		3.75			3.77				3.770
1-Butene	NC NC	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND 25 IN	ND ND	ND ND	ND ND	ND	ND 20 IN
Propylene 1-Propene, 2-methyl-	NC NC	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	25 JN 14 JN	ND ND	ND ND	ND ND	ND ND	20 JN 10 JN
Unknowns	NC NC	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	.,0	- 12	. 12	٠, ـ	- 12		٠.٠	- 12	- 12	. 120		- 120	- 12	- 1-	- 120	. 12	- 12	- 12	- 12	- 12

Notes:

μg/L - micrograms per liter

J - Estimated value

 \ensuremath{N} - Presumptive evidence of a compound based on the MS library search.

NC - No criterion ND - Not detected.

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect.

Values in **bold** indicate the compound was detected

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

TRC ENGINEERS, INC.

				PC-SB-I-				PC-SB-I-05
	SAMDI E ID	PC-SB-I-01 (WG) (58-62)	PC-SB-I-01 (WG) (72-76)	02(WG)(58- 62)	PC-SB-I-05 (WG) (50-54)	PC-SB-I-05 (WG) (58-62)	PC-SB-I-05 (WG) (78-82)	(WG) (98- 102)
			R1401464-003	,	R1401464-005			
	COLLECTION DATE	3/3/2014	3/3/2014	2/27/2014	3/4/2014	3/4/2014	3/4/2014	3/4/2014
	SAMPLE MATRIX	Water	Water	Water	Water	Water	Water	Water
ļ	UNITS	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
SEMI-VOLATILE ORGANIC COMPOUNDS	Class GA Value*	Results	Results	Results	Results	Results	Results	Results
1,2,4,5-Tetrachlorobenzene 2,3,4,6-Tetrachlorophenol	10 1	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
2,4,5-Trichlorophenol	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4,6-Trichlorophenol	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dichlorophenol	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,4-Dimethylphenol 2,4-Dinitrophenol	50 10	9.4 U 47 U	9.4 U 47 U	9.4 U 47 U	9.4 U 47 U	9.4 U 47 U	9.4 U 47 U	9.4 U 47 U
2,4-Dinitrotoluene	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2,6-Dinitrotoluene	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chloronaphthalene	10	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Chlorophenol	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
2-Methylnaphthalene o-Cresol (2-Methylphenol)	NC 1	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
2-Nitroaniline	5	47 U	47 U	47 U	47 U	47 U	47 U	47 U
2-Nitrophenol	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3,3'-Dichlorobenzidine	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3 & 4- Methylphenol (total)	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
3-Nitroaniline 4,6-Dinitro-2-methylphenol	5	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U
4-Bromophenylphenyl ether	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloro-3-methylphenol	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Chloroaniline	5	9.4 U	9.4 U	9.4 UJ	9.4 U	9.4 U	9.4 U	9.4 U
4-Chlorophenylphenyl ether	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
4-Nitroaniline 4-Nitrophenol	5	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U	47 U 47 U
Acenaphthene	20	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Acenaphthylene	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Acetophenone	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Anthracene	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Atrazine Benzo(a)anthracene	7.5 0.002	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
Benzaldehyde	0.002 NC	47 U	47 U	47 U	47 U	47 U	47 U	47 U
Benzo(a)pyrene	> ND	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Benzo(b)fluoranthene	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Benzo(g,h,i)perylene	NC	9.4 U	9.4 U	9.4 U	9.4 U 9.4 U	9.4 U	9.4 U	9.4 U
Benzo(k)fluoranthene 1,1-Biphenyl	0.002 5	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
2,2'-Oxybis(1-Chloropropane)	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Bis(2-Chloroethoxy)methane	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Bis(2-Chloroethyl)ether	1	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Bis(2-Ethylhexyl)phthalate Butylbenzylphthalate	5 50	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
Caprolactam	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Carbazole	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Chrysene	0.002	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Di-n-butylphthalate	50 50	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U	9.4 U 9.4 U
Di-n-octylphthalate Dibenz(a,h)anthracene	NC	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
Dibenzofuran	NC	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Diethylphthalate	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dimethylphthalate	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Fluoranthene Fluorene	50 50	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
Hexachlorobenzene	0.04	9.4 U	9.4 U	9.4 U 9.4 U	9.4 U	9.4 U 9.4 U	9.4 U	9.4 U
Hexachlorobutadiene	0.5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachlorocyclopentadiene	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Hexachloroethane	5	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Indeno(1,2,3-cd)pyrene Isophorone	0.002 50	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U
Isopnorone N-Nitroso-di-n-propylamine	NC	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U 9.4 U	9.4 U
N-Nitrosodiphenylamine	50	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Naphthalene	10	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Nitrobenzene	0.4	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U

TRC ENGINEERS, INC. Page 1 of 2

Table 2

New York State Department of Environmental Conservation Precision Concepts, Inc., OU-2 Site

Summary of Results of Analysis of Groundwater for Semi-Volatile Organic Compounds - Direct Push Sampling

						PC-SB-I-					PC-SB-1	[-05
				PC-SB-I-	01	02(WG)(58-	PC-SB-I-05	PC-SB-I-0)5	PC-SB-I-05	(WG) (
SAMPLE ID ((WG) (58-62)		76)	62)	(WG) (50-54	(WG) (58-6	52)	(WG) (78-82	102))
LAB ID R			R1401464-001		01464-003 R1401442-		1 R1401464-00	5 R1401549-0	R1401549-001		9 R1401549	9-003
COLLECTION DATE			3/3/2014		1	2/27/2014	3/4/2014	3/4/2014		3/4/2014	3/4/20	14
	SAMPLE MATRIX	Water	•	Water		Water	Water	Water		Water	Wate	r
	UNITS	μg/L		μg/L		μg/L	μg/L	μg/L		μg/L	μg/L	,
SEMI-VOLATILE ORGANIC COMPOUNDS	Class GA Value*	Result	s	Results		Results	Results	Results		Results	Resul	ts
Pentachlorophenol	1	47	U	47	U	47 U	47 U	47	U	47 U	47	U
Phenanthrene	50	9.4	U	9.4	U	9.4 U	9.4 U	9.4	U	9.4 U	9.4	U
Phenol	1	9.4	U	9.4	U	9.4 U	9.4 U	9.4	U	9.4 U	9.4	U
Pyrene	50	9.4	U	9.4	U	9.4 U	9.4 U	9.4	U	9.4 U	9.4	U
Tentatively Idenitified Compounds												
Unknowns	NC	63.9	J	ND		ND	5.7 J	47.0	J	NA	19.1	J

Notes:

 $\mu g/L$ - micrograms per liter

UJ - Estimated non-detect.

J - Estimated value

NA - Sample not analyzed for the listed analyte.

NC - No Criterion

ND - Not detected.

> ND - Class GA value is any detected concentration

U - Compound was not detected at specified quantitation limit

Values in bold indicate the compound was detected

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

TRC ENGINEERS, INC. Page 2 of 2

Table 3
New York State Department of Environmental Conservation
Precision Concepts, Inc., OU-2 Site
Summary of Results of Analysis of Groundwater for Pesticides - Direct Push Sampling

				PC-SB-I-				PC-SB-I-05
		PC-SB-I-01	PC-SB-I-01	02(WG)(58-	PC-SB-I-05	PC-SB-I-05	PC-SB-I-05	(WG) (98-
			62)	(WG) (50-54)		(WG) (78-82)	102)	
		R1401464-003		, , , , ,	` ' ` '	, , , , ,	· · · · · · · · · · · · · · · · · · ·	
				-				
	COLLECTION DATE	3/3/2014	3/3/2014	2/27/2014	3/4/2014	3/4/2014	3/4/2014	3/4/2014
	SAMPLE MATRIX	Water	Water	Water	Water	Water	Water	Water
	UNITS	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
PESTICIDES	Class GA Value*	Results	Results	Results	Results	Results	Results	Results
4,4'-DDD	0.3	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
4,4'-DDE	0.2	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
4,4'-DDT	0.2	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Aldrin	> ND	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Dieldrin	0.004	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Endosulfan I	NC	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Endosulfan II	NC	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Endosulfan Sulfate	NC	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Endrin	> ND	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Endrin Aldehyde	5	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Endrin Ketone	5	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Heptachlor	0.04	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Heptachlor Epoxide	0.03	0.047 UJ	0.047 UJ	0.047 UJ	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Methoxychlor	35	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
Toxaphene	0.06	0.47 U	0.47 U	0.47 U	0.47 U	0.50 U	0.47 U	0.50 U
alpha-BHC	0.01	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
alpha-Chlordane	0.05	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
beta-BHC	0.04	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
delta-BHC	0.04	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
gamma-BHC	0.05	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ
gamma-Chlordane	0.05	0.047 UJ	0.047 UJ	0.047 U	0.047 UJ	0.050 UJ	0.047 UJ	0.050 UJ

Notes:

 $\mu g/L$ - micrograms per liter

NC - No Criterion

TRC ENGINEERS, INC. Page 1 of 1

> ND - Class GA value is any detected concentration

U - Compound was not detected at specified quantitation limit

UJ - Estimated non-detect.

^{* -} NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 4
New York State Department of Environmental Conservation
Precision Concepts, Inc., OU-2 Site
Summary of Results of Analysis of Groundwater for Polychlorinated Biphenyl (PCB) Aroclors - Direct Push Sampling

				PC-SB-I-				PC-SB-I-05
		PC-SB-I-01	PC-SB-I-01	02(WG)(58-	PC-SB-I-05	PC-SB-I-05	PC-SB-I-05	(WG) (98-
	SAMPLE ID (W			62)	(WG) (50-54)	(WG) (58-62)	(WG) (78-82)	102)
	LAB ID	R1401464-001	R1401464-003	R1401442-001	R1401464-005	R1401549-001	R1401464-009	R1401549-003
	COLLECTION DATE	3/3/2014	3/3/2014	2/27/2014	3/4/2014	3/4/2014	3/4/2014	3/4/2014
	SAMPLE MATRIX	Water						
	UNITS	μg/L						
POLYCHLORINATED BIPHENYL AROCLORS	Class GA Value*	Results						
Aroclor 1016	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Aroclor 1221	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Aroclor 1232	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Aroclor 1242	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Aroclor 1248	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Aroclor 1254	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Aroclor 1260	NC	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U
Total PCBs	0.09	0.047 U	0.047 U	0.047 U	0.047 U	0.050 U	0.047 U	0.050 U

Notes:

 $\mu g/L$ - micrograms per liter

NC - No Criterion

U - Compound was not detected at specified quantitation limit

TRC ENGINEERS, INC. Page 1 of 1

^{* -} NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

Table 5
New York State Department of Environmental Conservation
Precision Concepts, Inc., OU-2 Site
Summary of Results of Analysis of Groundwater for Metals - Direct Push Sampling

	SAMPLE ID	PC-SB-I-01 (V	WG) (58-62)	PC-SB-I-01 (WG) (72-76)	PC-SB-I-02(V	VG)(58-62)	PC-SB-I-05 (W	G) (50-54)	PC-SB-I-05 (W	VG) (78-82)
	LAB ID^	R1401464-	-001/002	R1401464	1-003/004	R1401442-	001/002	R1401464-0	005/006	R1401464-	009/010
	COLLECTION DATE	3/3/20	014	3/3/2	2014	2/27/2	014	3/4/201	14	3/4/20)14
	SAMPLE MATRIX	Wat		Wa		Wat		Water		Wate	
	UNITS	μg/		μg		μg/l		μg/L		μg/I	
	Class GA Value*	Resu		Res		Resu		Result		Resu	
METALS (UNFILTERED)	Class GA Value	Resu	111.5	Res	uits	Resu	11.5	Result	.5	Kesu.	11.5
Aluminum	NC	60,900		30,800		49,600		23,000		56,800	
	3	60	U	30,800 60	U	49,000	U	31.7	T	24.5	J
Antimony			U		U		U		J		J
Arsenic	25	23.5		11.4	U	14.9		29.0		21.3	
Barium	1,000	371	.	216	**	285	-	209	**	376	-
Beryllium	3	2.5	J	3.0	U	2.4	J	3.0	U	2.1	J
Cadmium	5 NG	2.4	J	2.6	J	1.5	J	5.0	U	5.0	U
Calcium	NC	5,720		5,800		7,900		11,700		19,300	
Chromium	50	890		608	.	920		1,420	-	1,170	
Cobalt	NC	55.2		26.9	J	44.4	J	36.5	J	58.3	
Copper	200	277		132		310		305		239	
Iron	300	143,000		77,500		131,000		151,000	-	146,000	
Lead	25	64.3		28.4	J	45.3	J	31.3	J	60.4	
Magnesium	35,000	14,800		7,260		12,400		6,550		23,600	
Manganese	300	4,760		2,520		3,360		2,540		4,280	
Mercury	0.7	0.20	U	0.20	U	0.20	U	0.20	U	0.20	U
Nickel	100	162	J	138	J	278		185	J	296	J
Potassium	NC	9,870		6,560		10,100		7,260		11,100	
Selenium	10	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Silver	50	10.0	U	10.0	U	4.6	J	10.0	U	10.0	U
Sodium	20,000	38,300		10,200		36,800		82,400		60,000	
Thallium	0.5	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
Vanadium	NC	108		52.0		107		49.2	J	116	
Zinc	2,000	861		305		564		113		337	
METALS (FILTERED)											
Aluminum	NC	28.4	J	100	U	100	U	100	U	100	U
Antimony	3	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
Arsenic	25	10.0	U	10.0		10.0	U	10.0	U	10.0	U
Barium	1,000	20.0	U	20.0	U	31.4		53.8		53.4	
Beryllium	3	3.0	\mathbf{U}	3.0	U	3.0	U	3.0	U	3.0	U
Cadmium	5	5.0	\mathbf{U}	5.0	U	5.0	U	5.0	U	5.0	U
Calcium	NC	1,250		2,570		3,160		10,500		12,600	
Chromium	50	10.0	U	10.0	U	0.893	J	10.0	U	10.0	U
Cobalt	NC	50.0	U	50.0	U	7.0	J	10.3	J	12.5	J
Copper	200	20.0	U	20.0	U	21.6	U	20.0	U	20.0	U

TRC ENGINEERS, INC. Page 1 of 2

Table 5
New York State Department of Environmental Conservation
Precision Concepts, Inc., OU-2 Site
Summary of Results of Analysis of Groundwater for Metals - Direct Push Sampling

	SAMPLE ID	PC-SB-I-01 (WG) (5	58-62)	PC-SB-I-01 (V	VG) (72-76)	PC-SB-I-02(W	VG)(58-62)	PC-SB-I-05 (W	G) (50-54)	PC-SB-I-05 (WC	G) (78-82)	
	LAB ID^		R1401464-001/002		R1401464-003/004		R1401442-001/002		R1401464-005/006		R1401464-009/010	
	COLLECTION DATE	3/3/2014		3/3/20	3/3/2014		2/27/2014		3/4/2014		3/4/2014	
	SAMPLE MATRIX	Water		Wat	Water		Water		r	Water		
	UNITS			μg/L		μg/L		μg/L		μg/L		
	Class GA Value*	Results		Resu	lts	Resu	lts	Result	ts	Results	3	
METALS (FILTERED)		_										
Iron	300	1,750		2,080		1,840		3,370		7,190		
Lead	25	50.0 I	U	50.0	U	50.0	U	50.0	U	50.0	U	
Magnesium	35,000	692	J	1,610		1,510		3,040		7,830		
Manganese	300	1710		1,110		1,130		1,400		2,810		
Mercury	0.7	0.20 U	U	0.20	U	0.20	U	0.20	U	0.20	U	
Nickel	100	15.1	J	13.3	J	12.7	J	25.3	J	31.7	J	
Potassium	NC	,	J	2,000	U	805	J	3,140		2,320		
Selenium	10	10.0 U	U	10.0	U	10.0	U	2.5	J	10.0	U	
Silver	50	10.0 U	U	10.0	U	10.0	U	10.0	U	10.0	U	
Sodium	20,000	33,700		5,980		31,500		80,900		58,300		
Thallium	0.5	10.0 U	U	10.0	U	10.0	U	10.0	U	10.0	U	
Vanadium	NC	50.0 U	U	50.0	U	50.0	U	50.0	U	50.0	U	
Zinc	2,000	177		120		111		16.7	J	112		

 $\mu g/L$ - micrograms per liter

J - Estimated value

NC - No Criterion

U - Compound was not detected at specified quantitation limit

* - NYSDEC Ambient Water Quality Standards and Guidance Values for Class GA water.

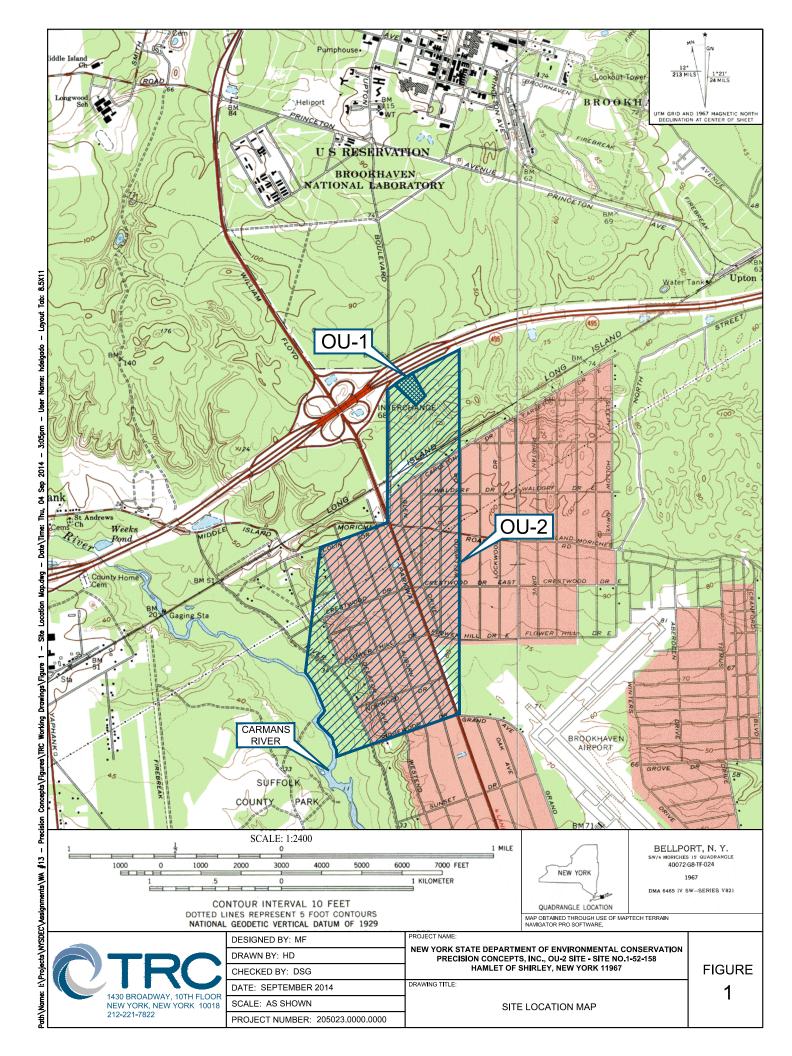
Shading indicates result above Class GA Value.

^ - Lab ID for total metals and dissolved metals, respectively.

TRC ENGINEERS, INC. Page 2 of 2

FIGURES

TRC ENGINEERS, INC. September 8, 2014



LEGENDOU-1 SITE-GEOPROBE SAMPLE LOCATION W/ELEVATION APPROX PROPERTY LINE FROM TAX MAPS SHEET 2 NOTES 1. SURVEY COMPLETED MAY 2, 2014 BY JOHN DAMIANO, LS. 2. GRID NORTH ESTABLISHED FROM THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NAD83, FEET. 3. VERTICAL DATUM IS NAVD 88. SHEET 3 - MIDDLE ISLAND ROAD SHEET 4 SHEET 5 SHEET 6

1200 FT.

600

APPROXIMATE SCALE: 1"=600'

PAPER SIZE: 11" x 17"

DESIGNED BY: MEF
DRAWN BY: HD
CHECKED BY: DSG
DATE: SEPTEMBER 2014
SCALE: AS SHOWN
PROJECT NUMBER: 205023.0000.0000

PROJECT NUMBER: 205023.0000.0000

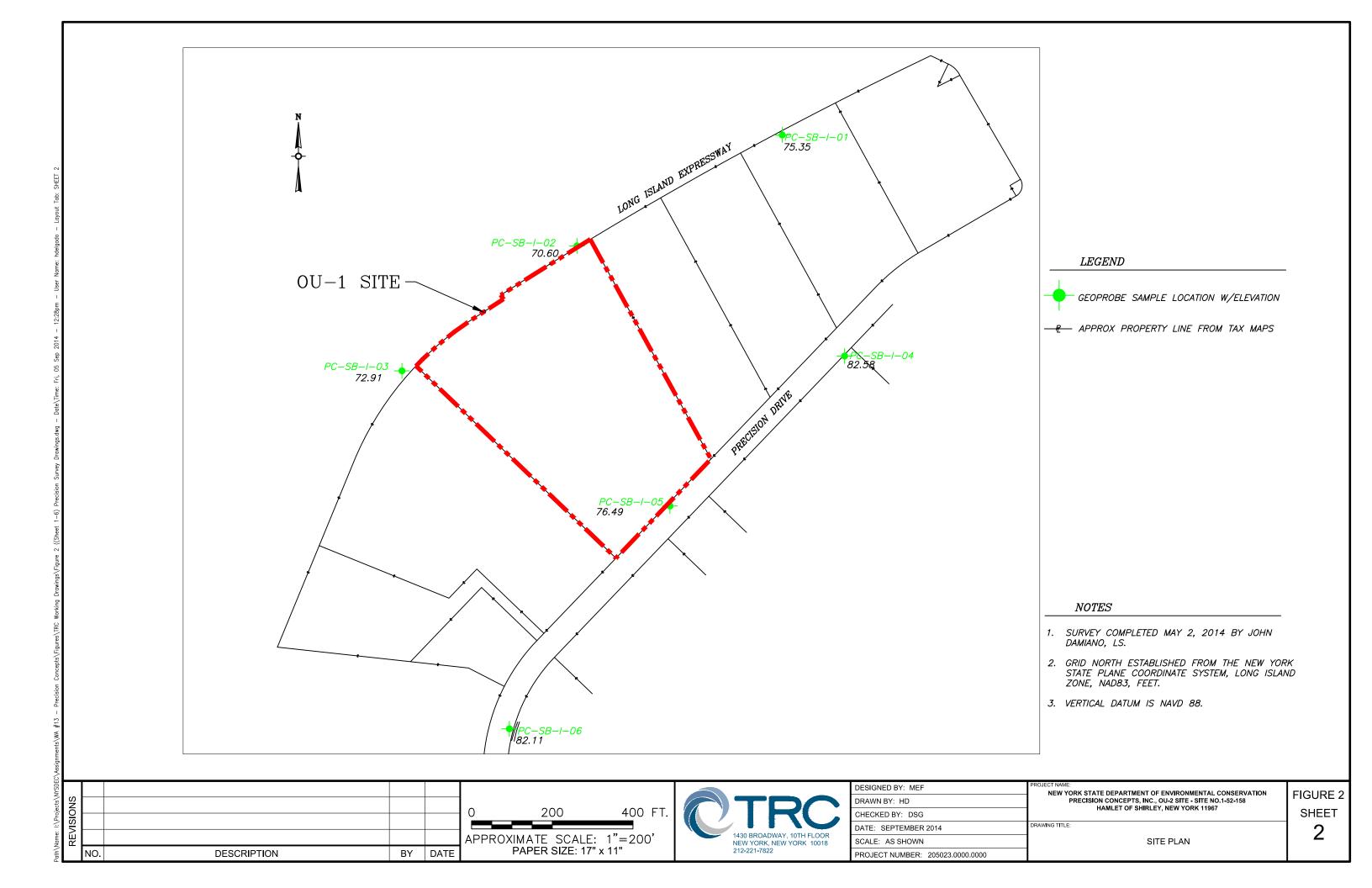
PROJECT NAME:
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
PRECISION CONCEPTS, INC., OU-2 SITE - SITE NO.1-52-158
HAMLET OF SHIRLEY, NEW YORK 11967

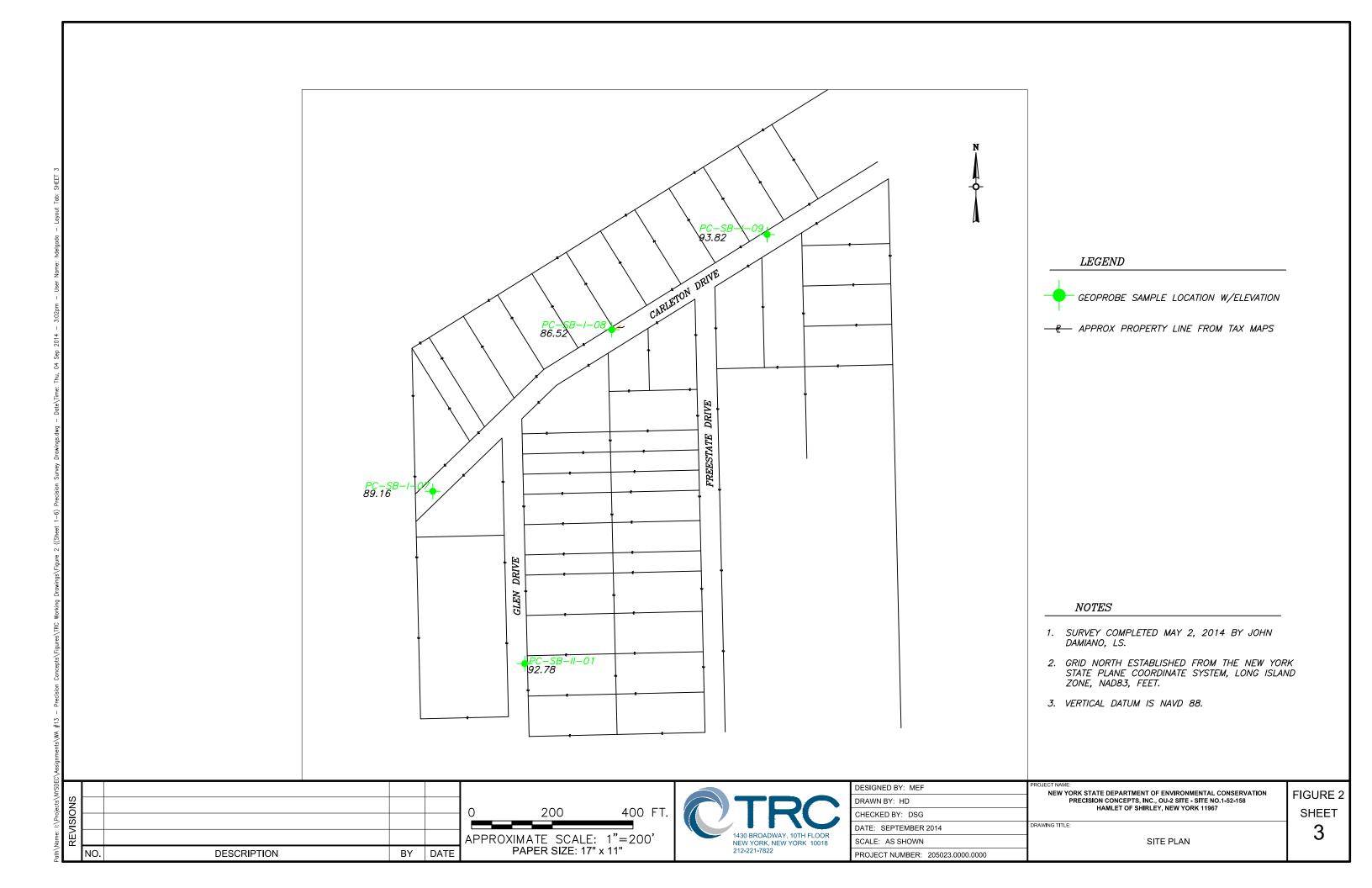
DRAWING TITLE:
SITE PLAN - KEY

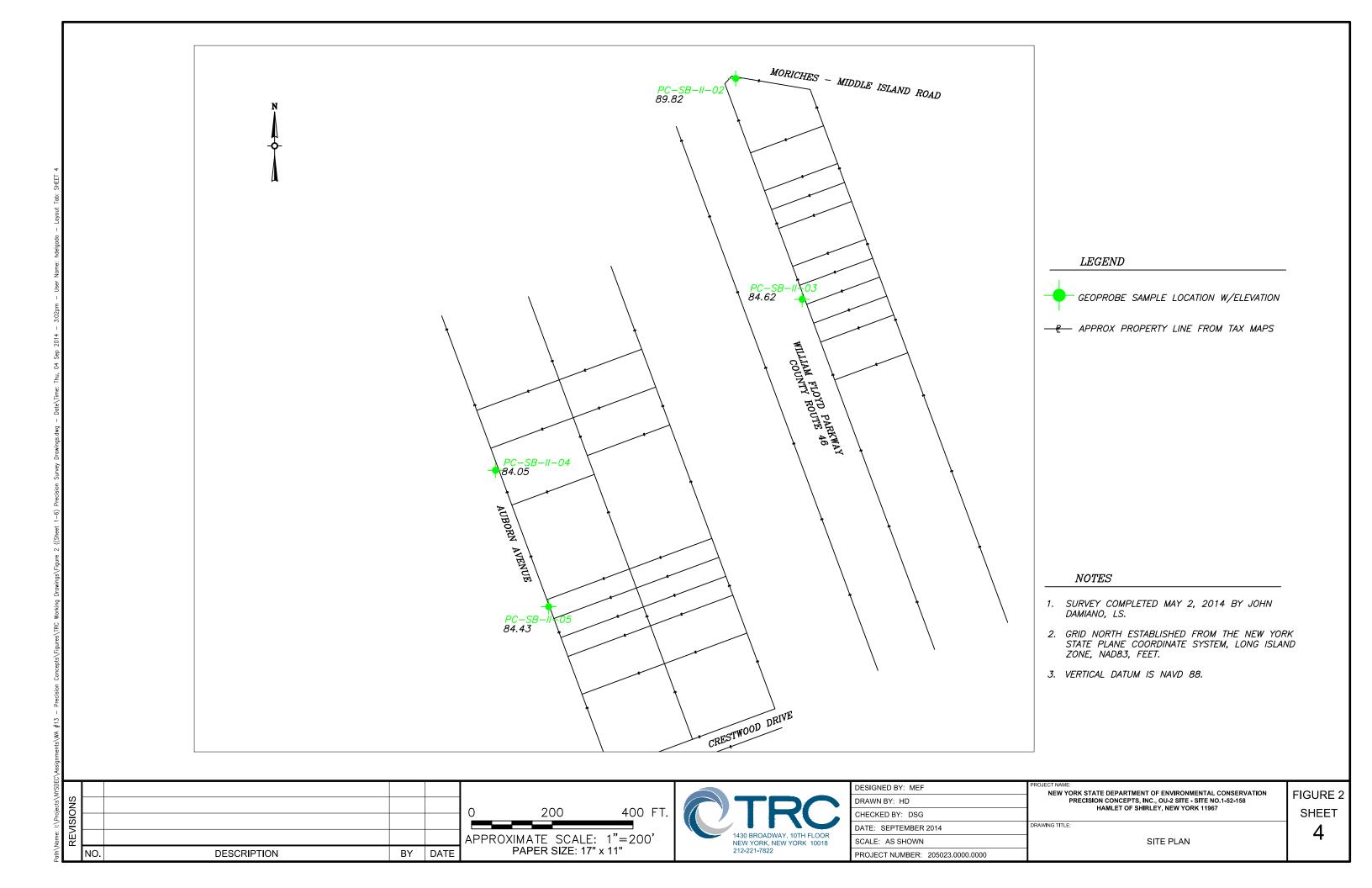
FIGURE 2

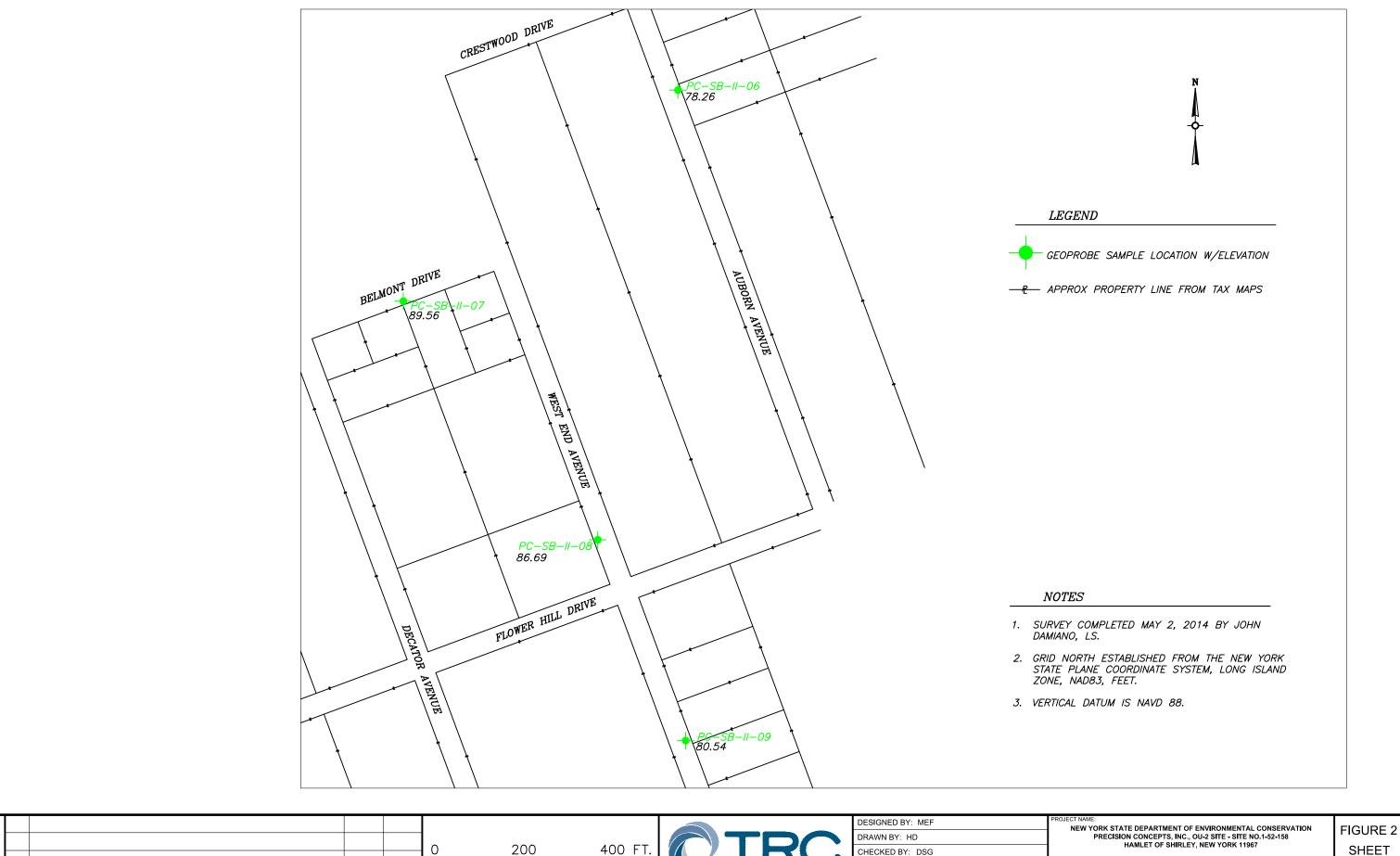
SHEET

1









NO.

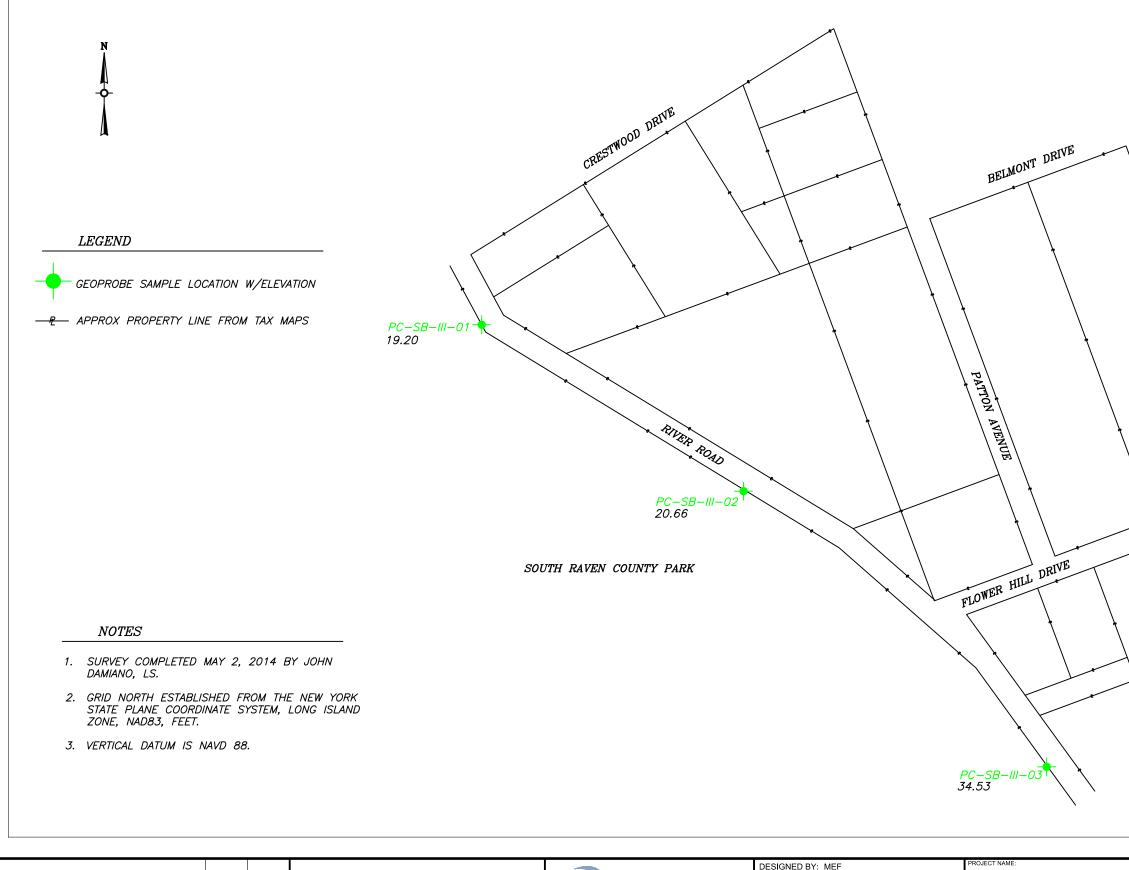
DESCRIPTION

0 200 400 FT.

APPROXIMATE SCALE: 1"=200'
PAPER SIZE: 17" x 11"



DESIGNED BY: MEF DRAWN BY: HD	PROJECT NAME: NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION PRECISION CONCEPTS, INC., OU-2 SITE - SITE NO.1-52-158 HAMLET OF SHIRLEY, NEW YORK 11967
CHECKED BY: DSG	TAMEET OF STREET, NEW YORK (1997)
DATE: SEPTEMBER 2014	DRAWING TITLE:
SCALE: AS SHOWN	SITE PLAN
PROJECT NUMBER: 205023.0000.0000	



NO. DESCRIPTION BY DATE

400 FT. APPROXIMATE SCALE: 1"=200' PAPER SIZE: 17" x 11"



DESIGNED BY: MEF	PROJECT NAME: NEW YORK
DRAWN BY: HD	PREC
CHECKED BY: DSG	
DATE: SEPTEMBER 2014	DRAWING TITLE:
SCALE: AS SHOWN	
PROJECT NUMBER: 205023.0000.0000	

FIGURE 2		
SHEET		
6		

APPENDIX A – PRECISION CONCEPTS OPERABLE UNIT 1 RECORD OF DECISION MARCH 2002

TRC ENGINEERS, INC. September 8, 2014

Division of Environmental Remediation

Record of Decision

Precision Concepts Site
Operable Unit 1
On-Site Soil and Groundwater
Town of Brookhaven, Suffolk County
Site Number 1-52-158

March 2002

New York State Department of Environmental Conservation
GEORGE E. PATAKI, Governor ERIN M. CROTTY, Commissioner

DECLARATION STATEMENT - RECORD OF DECISION

Precision Concepts Inactive Hazardous Waste Disposal Site Operable Unit 1 Town of Brookhaven, Suffolk County, New York Site No. 152158

Statement of Purpose and Basis

The Record of Decision (ROD) presents the selected remedy for Operable Unit 1 of the Precision Concepts Class 2 inactive hazardous waste disposal site which was chosen in accordance with the New York State Environmental Conservation Law. The remedial program selected is not inconsistent with the National Oil and Hazardous Substances Pollution Contingency Plan of March 8, 1990 (40CFR300).

This decision is based on the Administrative Record of the New York State Department of Environmental Conservation (NYSDEC) for the Precision Concepts inactive hazardous waste disposal site and upon public input to the Proposed Remedial Action Plan (PRAP) presented by the NYSDEC. A listing of the documents included as a part of the Administrative Record is included in Appendix B of the ROD.

Assessment of the Site

Actual or threatened release of hazardous waste constituents from this site have been addressed by past remedial actions implemented at the Site. No evidence of contamination was detected on-site during the Remedial Investigation. Therefore, no threat to public health or the environment was found at the site.

An off-site groundwater investigation will be implemented as Operable Unit 2 to determine if past conditions at the site have resulted in impacts to the off-site groundwater, surface water, and sediments

Description of Selected Remedy

Based on the results of the Remedial Investigation (RI) for the Precision Concepts site, the NYSDEC has selected No Action as the remedy for Operable Unit 1. No evidence of significant contamination has been found in soils, dry well sediments, or groundwater at the site.

However, the NYSDEC has a concern for possible future discharges of contaminated groundwater to the Carmans River. Therefore, the NYSDEC will conduct an investigation of

groundwater downgradient from the Precision Concepts site and near the River. The downgradient groundwater investigation will be performed as a separate Operable Unit (OU2).

New York State Department of Health Acceptance

The New York State Department of Health concurs with the remedy selected for this site as being protective of human health.

Declaration

The selected remedy is protective of human health and the environment, complies with State and Federal requirements that are legally applicable or relevant and appropriate to the remedial action to the extent practicable, and is cost effective. This remedy utilizes permanent solutions and alternative treatment or resource recovery technologies, to the maximum extent practicable, and satisfies the preference for remedies that reduce toxicity, mobility, or volume as a principal element.

3/26/2002 Date

Michael J. O'Toole, Jr., Director

Division of Environmental Remediation

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RECORD OF DECISION

Precision Concepts Site
Operable Unit 1 - On-Site Soil and Groundwater
Town of Brookhaven, Suffolk County
Site No. 1-52-158
March 2002

SECTION 1: SUMMARY OF THE RECORD OF DECISION

Operable Unit 1 encompasses on-site environmental conditions within the boundary of the Precision Concepts facility. Based on the findings of the investigation of this site, which indicate that the presence of hazardous waste at the site does not pose a significant threat to human health or the environment, No Action was selected as the remedy for Operable Unit1.

SECTION 2: SITE LOCATION AND DESCRIPTION

The Precision Concepts Site is located in the North Shirley Industrial Complex at 26 Precision Drive (a.k.a. Natcon Drive) in the Hamlet of Shirley, Town of Brookhaven, Suffolk County. See Figure 1. As shown on Figure 2, the site is approximately 6 acres in size and contains one 38,000 square foot structure. The site is situated immediately south of the Long Island Expressway (LIE) and 1,350 feet east of the William Floyd Parkway. The site is listed in the New York State Registry of Inactive Hazardous Waste Disposal Sites (the Registry) as a Class 2 site. A Class 2 site is defined as "a significant threat to public health or environment - action required".

Brookhaven National Laboratory (BNL) lies along the north side of the LIE approximately 1/8 mile to the north of Precision Concepts. BNL is a federal Superfund site and is also listed in the Registry as a Class 2 site.

SECTION 3: SITE HISTORY

3.1: Operational/Disposal History

Precision Concepts occupied the site from the original construction of the building in 1985 until 1993. During its occupancy, Precision Concepts manufactured metal machine parts for the electronics industry. The facility used and stored the solvents 1,1,1-trichloroethane (TCA) and 1,1-dichloroethane (DCA) on site. TCA and DCA are part of a group of chemicals known as volatile organic compounds (VOCs). The site is presently occupied by a pharmaceutical distributor.

No spills are documented to have occurred at the site. However, evidence of contamination sources was observed by the Suffolk County Department of Health Services (SCDHS) during regular site inspections.

3.2: Remedial History

In May 1988, the SCDHS sampled liquid from a buried on-site leaching pool used for roof drainage along the east side of the building. TCA was found at 1,200 parts per billion (ppb) in the liquid.

In March 1990, BNL reported to SCDHS the detection of TCA and DCA in a monitoring well near the southern BNL boundary.

Subsequent sampling was conducted on 90 residential supply wells downgradient from the site. TCA and another VOC, dichloroethene (DCE) were found in five wells at concentrations of up to 340 ppb and 20 ppb, respectively. The drinking water standards for both TCA and DCE are 5 ppb. DCA was also detected at concentrations below the groundwater standard of 5 ppb in two of these five wells. As described in Section 4.2 below, these homes were connected to the public water supply.

Due to the impacts to the residential wells, SCDHS conducted a groundwater investigation near the Precision Concepts Site in 1990. Groundwater was sampled along four east-west transects of temporary wells perpendicular to the southerly groundwater flow as shown in Figure 3. One transect was sampled along the upgradient site boundary, along the LIE service road. Three transects were sampled downgradient of the site. TCA was found at 9,300 ppb in one sampling point downgradient of the site at 31 to 40 feet below the water table. The water table is at about 40 feet below the ground surface in the area of the sampling locations. The next highest concentration of TCA in the same well was 120 ppb at 21 to 30 feet below the water table. Two other downgradient wells had one sample each above the groundwater standards.

Two aboveground tanks and a number of drums were removed in January 1991. These consisted of a 6,000 gallon industrial waste tank that had overflowed within a containment structure in October 1986, a 400-gallon solvent tank, and 1,875 gallons of drummed waste from a storage area within the building.

SCDHS sampled the sediment in the on-site septic system in May 1990 and found that discharges to the septic system had exceeded state and county discharge standards. Toluene was detected at 330 ppb. SCDHS also observed that the septic system was filled to capacity. Toluene was detected in the septic system sediment at 11 ppm when the septic system was sampled again in July 1991. Approximately 8,000 gallons of waste was pumped out of the septic system in May 1992.

An interior collection pit was found to be breached with contaminated soil beneath it. SCDHS sampled the soil under the pit in April 1996 and found it to have elevated concentrations of metals. TCA and tetrachloroethene (PCE) were detected at levels below NYSDEC's recommended soil cleanup objectives (TAGM 4046). In July 1996, approximately two cubic yards of contaminated soil were removed from the interior collection pit. Analysis of endpoint samples found the remaining soil to be in compliance with TAGM 4046 values. The pit was then cemented over

Precision Concepts was listed on the Registry in September 1996 due to the contamination that had been detected in the on-site drainage systems and in downgradient groundwater.

Based on the findings of the 1990 downgradient groundwater investigation, the Carmans River, located about 1.5 miles downgradient from the site, could be impacted by a pocket of contaminated groundwater that may have originated from the site. The NYSDEC has a concern for possible future discharges of this contaminated groundwater migrating to the River. Therefore, a separate Operable Unit (OU2) has been designated to evaluate for potential off-site impacts of the site to groundwater, surface water and sediments.

SECTION 4: SITE CONTAMINATION

To evaluate the suspected contamination at the site and to evaluate alternatives to address the threat to human health and/or the environment posed by the possible presence of hazardous waste, an engineering consultant representing the potentially responsible party (PRP) conducted a Remedial Investigation with oversight by the NYSDEC.

4.1: Summary of the Remedial Investigation

The purpose of the Remedial Investigation (RI) was to define the nature and extent of any contamination resulting from previous activities at the site.

The RI was conducted in two phases. The first phase was an investigation of on-site dry well sediments and soils that was conducted in June 1999. The second investigation phase consisted of sampling on-site groundwater in October 2000. Separate reports were prepared for each investigation. The July 1999 Focused Remedial Investigation Report presents the results of the June 1999 on-site investigation of soil and dry well sediments. The January 2001 Supplemental Remedial Investigation On-Site Groundwater Study Report documents the findings of the October 2000 groundwater investigation.

The RI included the following activities:

- Dry well sediment and soil investigation.
 - Subsurface soil and dry well sediment samples were collected from the inverts of the septic system and select dry wells.
 - Subsurface soil samples were collected from immediately downgradient of the same structures.
- Groundwater investigation.
 - Three upgradient and eight downgradient sampling points were sampled at the water table and at twenty and forty feet below the water table.

To determine which media (soil, groundwater, etc.) are contaminated at levels of concern, the RI analytical data were compared to standards, criteria, and guidance values (SCGs). Groundwater, drinking water and surface water SCGs identified for the Precision Concepts site are based on NYSDEC Ambient Water Quality Standards and Guidance Values and Part 5 of New York State Sanitary Code. For soils, NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 provides soil cleanup guidelines for the protection of groundwater, background conditions, and health-based exposure scenarios. In addition, for soils, site specific background concentration levels can be considered for certain classes of contaminants.

4.1.1: Site Geology and Hydrogeology

The site is located in the Atlantic Coastal Plain physiographic province. Regionally, the subsurface consist of Upper Glacial deposits that are characterized by southward sloping deposits of sand, gravel, and silt. Below the site, the Upper Glacial formation is approximately 200 feet deep. The Magothy, Raritan, and Lloyd formations underlay the Upper Glacial deposits.

The lithology at the Site in the Upper Glacial formation is classified as Riverhead Sandy-Loam. The Riverhead Sandy-Loam series consists of well-drained, moderately coarse textured soils that are very permeable and allow for rapid groundwater flow.

The water table at the site is in the Upper Glacial aquifer at approximately 40 feet below the ground surface. Groundwater flows due south at the site.

4.1.2: Nature of Contamination

As described in the RI reports, soil, groundwater and dry well sediment samples were collected at the site to characterize the nature and location of contamination. Volatile organic compounds (VOCs) were the only class of contaminants found to exceed SCGs during the remedial investigation.

The contaminants of concern are TCA and DCA. These are the solvents that were used and stored at the facility and were also detected in groundwater during previous investigations.

4.1.3: Extent of Contamination

Table 1 summarizes the extent of contamination for the contaminants of concern in the on-site dry well sediments, soils and groundwater and compares the data for the site with the SCGs. The following are the media which were investigated and a summary of the findings of the investigation.

Chemical concentrations are reported in parts per billion (ppb) or parts per million (ppm). For comparison purposes, where applicable, SCGs are provided for each medium.

Soil and Dry Well Sediment

No VOCs were detected in the soil or dry well sediment samples collected from the site during the RI. Metals are naturally occurring and were detected in all samples as expected. Most of the metals detected were within or below the range of background concentrations for the northeastern United States. The sample locations are depicted in Figure 2. The sampling points are designated as CP-1, CP-2, CP-3 and CP-4 in the cesspool and the septic leaching pits to the west side of the building, LP-1 and LP-2 in the roof drain leach pools along the east side of the building, DW-1 and DW-2 in the dry wells near the loading dock, and RDP-1 and RDP-2 in the roof drainage pools at the south side of the building.

Groundwater

The groundwater sampling locations are designated as GSP-1 through GSP-11 in Figure 2. No site-related contaminants were detected above groundwater standards during the RI. TCA was detected at 4.9 ppb in sample GSP-7 at the water table 40 feet below the ground surface. The groundwater standard for TCA is 5 ppb. TCA was not detected in any other samples collected from on-site groundwater during the Remedial Investigation.

Chloroform was detected in GSP-10 at 10 ppb. The groundwater standard for chloroform is 7 ppb. Chloroform was not detected in any other samples and is not considered to be indicative of site contamination. Acetone was detected in up-gradient sample GSP-1 at 20 ppb. The groundwater standard for acetone is 5 ppb. The acetone is likely a laboratory contaminant and is not indicative of groundwater contamination.

The NYSDEC conducted a downgradient groundwater investigation just upgradient from the Carmans River in December 2000. Groundwater samples were collected from ten sampling points over a distance of 1800 feet running north to south along a dirt road that parallels River Road and the eastern boundary of Southaven County Park. The sampling locations are shown on Figure 4. Each point was sampled at the water table interface and at 10 and 20 feet below the water table. No evidence of site related contamination was detected in groundwater near the river during the 2000 investigation.

SCDHS has been conducting an ongoing investigation of groundwater impacts from the nearby Yaphank train station. The investigation included sampling of groundwater from one sampling point near the Carmans River in November 2001. The approximate location of the sampling point is depicted on Figure 4, to the north of NYSDEC's December 2000 sampling locations. SCDHS found MTBE at 20,000 ppb, benzene at 150 ppb, TCA at 270 ppb, tetrachloroethene (PCE) at 11 ppb and 1,1-dichloroethene (DCE) at 31 ppb. These contaminants were above their respective groundwater standards of 10 ppb, 1 ppb, 5 ppb, 5 ppb and 5 ppb.

This result from the SCDHS investigation suggests that groundwater contamination is migrating towards the Carmans River. The contamination near the river appears to be from different sources. The MTBE is an additive of gasoline and benzene is a component of gasoline. These are believed to be from a leaking tank at an upgradient gas station. The TCA, PCE, and DCE may be from a past release of contamination migrating from Precision Concepts and/or another source.

Further investigation of downgradient groundwater will be conducted under a second Operable Unit (OU2).

Surface Water and River Sediment

In November 2001, the NYSDEC collected five surface water and two sediment samples from points along the Carmans River where contaminated groundwater could have been discharging. The samples were analyzed for VOCs. No VOC contamination was detected in the sediment samples. No VOCs were detected in four of the five surface water samples. One surface water sample contained MTBE at 46 ppb and TCA at 2 ppb. No VOCs were detected in the sediment sample collected from the same location. The contaminated sample was collected downstream from where contaminated groundwater migrating from Precision Concepts would be expected to discharge into the river

The MTBE is an additive of gasoline and is not a site related contaminant. The TCA may be from a past release of contamination migrating from Precision Concepts and/or another source.

Further investigation of Carmans River surface water and sediment will be conducted under OU2.

4.2: Summary of Human Exposure Pathways:

This section describes the types of human exposures that may present added health risks to persons at or around the site.

An exposure pathway is the manner by which an individual may come in contact with a contaminant. The five elements of an exposure pathway are 1) the source of contamination; 2) the environmental media and transport mechanisms; 3) the point of exposure; 4) the route of exposure; and 5) the receptor population. These elements of an exposure pathway may be based on past, present, or future events.

The ingestion of groundwater from private downgradient supply wells is the only known route of exposure. No public water supply wells are located downgradient of the site. In the past, at least five private supply wells were affected by groundwater contamination that may have originated at the Precision Concepts site.

Suffolk County and the Town of Brookhaven arranged for public water to be supplied to the affected residents in the early 1990s. In 1996, the United States Department of Energy (US DOE) offered free connections to the public water system to residents downgradient of BNL because of the potential for groundwater contamination from BNL to affect private supply wells. The hookup area included all homes and businesses downgradient of the Precision Concepts site. Public water is available from the Suffolk County Water Authority to all of the potentially impacted homes and businesses. If any site-related groundwater contamination remains downgradient of the site, the potential for exposure is expected to be minimal due to the widespread availability of public water.

4.3: Summary of Environmental Exposure Pathways

This section summarizes the types of environmental exposures and ecological risks which may be presented by the site. No pathways for environmental exposure and/or ecological risks have been observed while conducting the site investigations or the December 2000 off-site groundwater investigation. However, based on the findings of the Suffolk County 1990 and 2001 groundwater investigations, a pocket of contaminated groundwater may have originated from the site and could be migrating in the direction of the Carmans River.

The Carmans River is a protected trout stream in the South Haven County Park and the Wertheim National Wildlife Refuge. The river is a gaining stream and receives groundwater discharge from the Upper Glacial aquifer. TCA contaminated groundwater reaching the river at concentrations of 280 ppb or greater could result in detrimental impacts to the young trout that develop in the river. Using the Tier II water quality standards derivation methodology in the NYS 6NYCRR Part 706.1, the 280 ppb of TCA is the chronic toxicity guidance value derived from information acquired from the USEPA Aquatic Toxicity Information Retrieval system.

SECTION 5: ENFORCEMENT STATUS

Potentially Responsible Parties (PRPs) are those who may be legally liable for contamination at a site. This may include past or present owners and operators, waste generators, and haulers.

The NYSDEC and Precision Concepts, Inc. entered into Order on Consent W1-0803-98-01 on February 10, 1999. The order obligated the responsible parties to implement a Remedial Investigation and if necessary a Feasibility Study for OU1. The PRP will be given the opportunity to perform the OU2 off-site investigation.

SECTION 6: SUMMARY OF THE SELECTED REMEDY

Based on the results of the investigations and the past remedial measures that have been performed at the site, the NYSDEC concludes that no threat to public health or the environment remains at the site. Therefore, the selected remedy for the site, Operable Unit 1 (OU1), is no action.

As summarized in this document and detailed in the RI reports, no evidence of significant contamination has been found in soils, dry well sediments, or groundwater at the site. The RI demonstrated that the site is not currently a source of groundwater contamination.

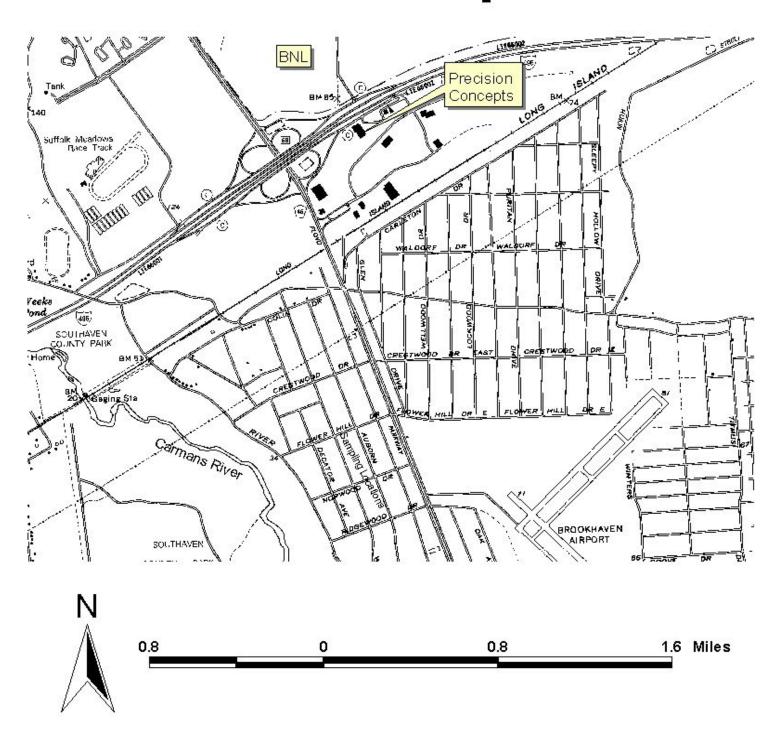
However, the Department has concern for potential discharges to the Carmans River of contaminated groundwater that may have originated from the Precision Concepts Site. Therefore, the NYSDEC will conduct an investigation of groundwater downgradient from the Precision Concepts site and near the River. The downgradient groundwater investigation will be performed as a separate Operable Unit (OU2).

SECTION 7: HIGHLIGHTS OF COMMUNITY PARTICIPATION

As part of the remedial investigation process, a number of Citizen Participation activities were undertaken in an effort to inform and educate the public about conditions at the site and the potential remedial alternatives. The following public participation activities were conducted for the site:

- A repository for documents pertaining to the site was established.
- A site mailing list was established which included nearby property owners, local political officials, local media and other interested parties.
- A fact sheet was mailed to the public on January 7, 2002
- A public informational meeting was held on January 14, 2002
- In March 2002, a Responsiveness Summary was prepared and made available to the public, to address the comments received during the public comment period for the PRAP.

Figure 1 Area Map



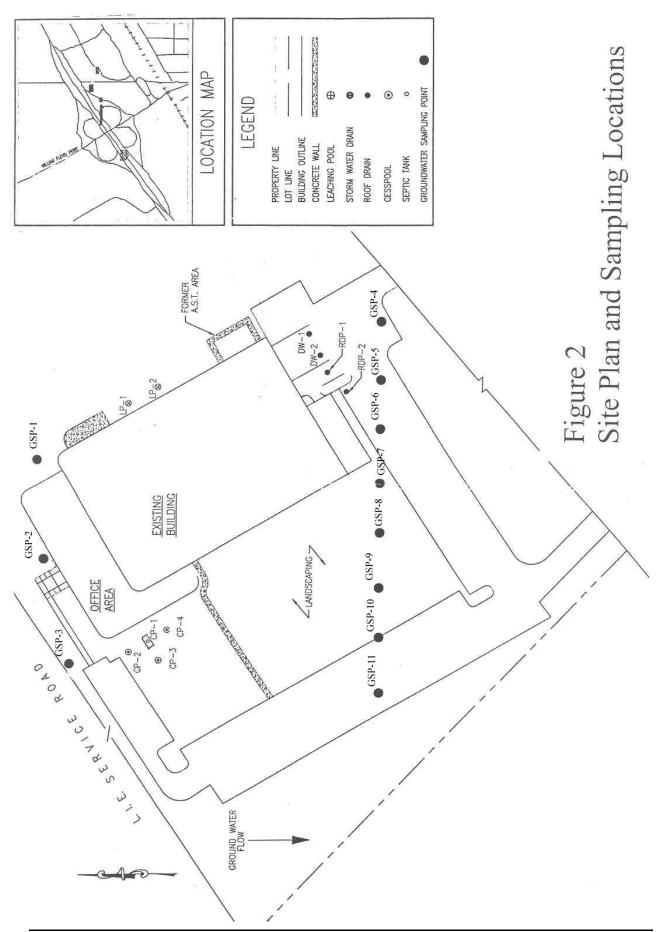


Figure 3 SCDHS 1990 Groundwater Sampling Locations

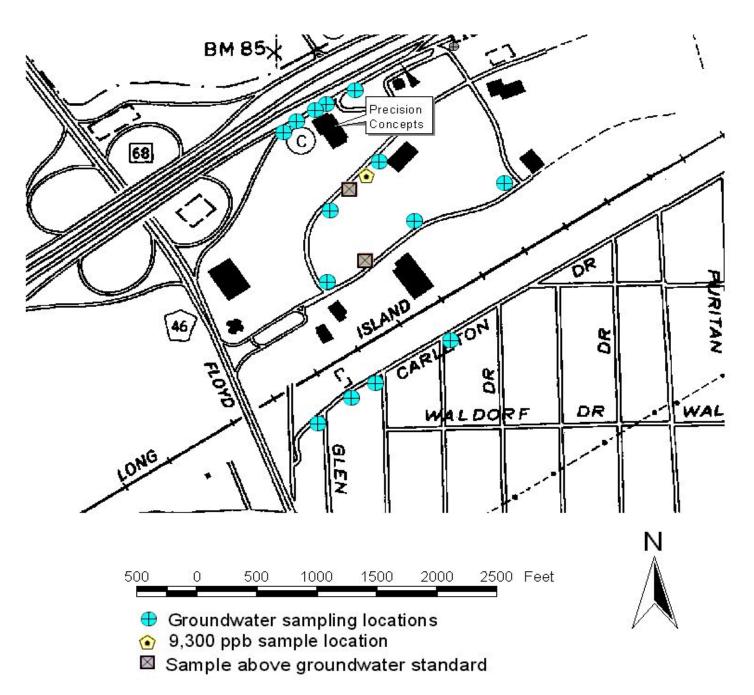


Figure 4

Carmans River Groundwater Sampling Locations

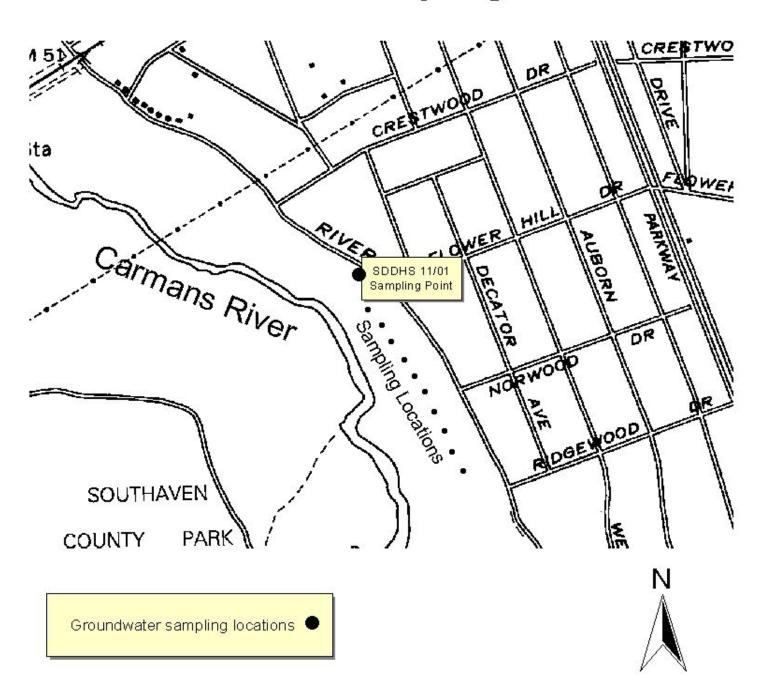


Table 1 **Nature and Extent of Contamination**

MEDIUM	CATEGORY	CONTAMINANT OF CONCERN	CONCENTRATION RANGE	FREQUENCY of EXCEEDING SCGs / Background	SCG / Bkgd.
Groundwater (ppb)	Volatile Organic	1,1,1-Trichloroethane	ND (3.8) to 4.9	0 of 24	5
	Compounds (VOCs)	1,1-Dichloroethane	ND (4.7)	0 of 24	5
Soils (ppm)	Volatile Organic	1,1,1-Trichloroethane	ND (100)	0 of 19	800
(ppiii)	Compounds (VOCs)	1,1-Dichloroethane	ND (140)	0 of 19	200
	Inorganics (Metals)	Aluminum	246 - 7,240	1 of 19	SB (6,800)
		Cadmium	ND (0.11) - 0.39	0 of 19	10 / SB
		Chromium	1.9 - 19.3	0 of 19	50 / SB
		Copper	3 - 153	4 of 19	25 / SB
		Lead	1 - 29.4	0 of 19	400
		Silver	ND (0.11) - 0.89	1 of 19	SB (0.37)
		Zinc	3.7 - 64.8	4 of 19	20 / SB

APPENDIX A

Responsiveness Summary

RESPONSIVENESS SUMMARY

Precision Concepts
Operable Unit 1
Proposed Remedial Action Plan
Brookhaven (T), Suffolk County
Site No. 1-52-158

The Proposed Remedial Action Plan (PRAP) for the Precision Concepts site, was prepared by the New York State Department of Environmental Conservation (NYSDEC) and issued to the local document repository on January 7, 2002. This plan outlined the preferred remedial measure proposed for the remediation of the contaminated soil and sediment at the Precision Concepts site. The preferred remedy is no action.

The release of the PRAP was announced via a notice to the mailing list, informing the public of the PRAP's availability.

A public meeting was held on January 14, 2002 which included a presentation of the Remedial Investigation (RI) and a discussion of the proposed remedy. The meeting provided an opportunity for citizens to discuss their concerns, ask questions and comment on the proposed remedy. These comments have become part of the Administrative Record for this site. Written comments were received from Brookhaven National Laboratory. The public comment period for the PRAP ended on February 18, 2002.

This Responsiveness Summary responds to all questions and comments raised at the January 14, 2002 public meeting and to the written comments received.

The following are the comments received at the public meeting, with the NYSDEC's responses:

COMMENT 1:

Was any investigation conducted or interviews held concerning the historic mismanagement of solvents at the site? I am concerned that a pool of solvent may be present under the site that has not been detected, that may pose a future problem.

RESPONSE 1:

Suffolk County Department of Health Services (SCDHS) conducted periodic investigations of the facility when Precision Concepts conducted operations at the site. Other than a collection pit that was remediated, no evidence of contamination sources were observed in the building. The groundwater investigation conducted during the Remedial Investigation found no evidence of a contamination source under the building. If a source of contamination was located beneath the building, it is not impacting on-site groundwater.

COMMENT 2:

What future testing is planned for Operable Unit 2 (OU2)? When will the investigation of Operable Unit 2 be performed?

RESPONSE 2:

Presently (winter & spring 2002) SCDHS is conducting a general investigation of groundwater conditions in the proximity of the Carmans River. This may include an investigation of river sediments and surface water. Following the completion of the current SCDHS investigation, the NYSDEC will evaluate the data and determine the next course of action. If further investigation of the river and off-site groundwater conditions is deemed necessary, the investigation will be conducted by the NYSDEC under OU2.

COMMENT 3:

Is every residence to the south and west of the site connected to public water? Were all residences that were connected to public water required to abandon their wells, or are these possibly being used for irrigation or other uses? The DEC or DOH should perform a survey to determine the current use of groundwater in the down gradient area.

RESPONSE 3:

Public water is available throughout the area downgradient of the Precision Concepts site, and nearly all homes in the area are connected to the public water supply. While residents connecting to the public water supply system are not required to abandon private wells, they must ensure that no cross-connection can occur between a private well and the public water supply. This means that a tap connected to the public water supply cannot also be connected to a private well. Some residents whose homes are served by the public water supply may have chosen to maintain private wells for irrigation. There is no estimate of the number of wells that might still be in use. The scope of work for the investigation of Operable Unit 2, the off-site groundwater contamination, will also include a private well survey.

Anyone who has or knows of a private drinking water well that is in use downgradient of the Precision Concepts site is encouraged to contact the New York State Department of Health or the Suffolk County Department of Health Services.

A letter dated February 13, 2002 was received from L. M. Hill of Brookhaven National Laboratory that included the following comments:

COMMENT 4:

Of the 11 Geoprobes that were performed as part of the on-site (Operable Unit 1) investigation only three appear to be in a location that was identified during the previous investigation as being in a location generally consistent with the previously identified (1990) high concentration groundwater plume. The previous (1990) investigation showed a very narrow high concentration plume at very discreet depth intervals. The highest concentration found was 9,300 ppb of 1,1,1-trichloroethane (TCA) at 31-40 feet into the water table. No samples were taken at this same depth interval (only at 20 feet and 40 feet into the water table) during the recent field effort. The one sample that detected TCA at 4.9 ppb (GSP-7) was obtained at the water table. This location is generally consistent

with the previously identified plume, however, the high concentrations were identified at the 30-foot depth interval below the water table, and no samples were taken here.

RESPONSE 4:

The groundwater sampling points were sufficient to ascertain if groundwater contamination existed on-site. The Geoprobe groundwater sampling screen is 3.5 feet long and the sampling interval spanned from 36.5 to 40 feet below the water table. This spans a portion of the 31 - 40 feet of the previous sampling interval.

Plumes of contamination on Long Island tend to sink as fresh water recharges into the surface above them. If the 9,300 ppb of TCA detected at 31 - 40 feet below the water table originated at the site, the contaminant plume would have migrated from the source over a distance of about 500 feet to the sampling location. If there was an on-going source of that contamination, it would have been evident in the on-site samples. The off-site groundwater conditions documented in 1990 will be studied in the OU2 investigation.

COMMENT 5:

Before a no-action decision is made, we believe that additional groundwater sampling should be performed. Additional characterization of the groundwater should be performed at additional locations, in the area of the previously identified groundwater plume with samples taken at more frequent intervals starting at the water table to a minimum depth of 60 feet into the water table (approximately 100 feet below grade). If this work is performed and contamination above MCL's is not identified, then the PRAP recommendations for no further action would be appropriate for the Operable Unit 1 (source area) portion of this plume.

RESPONSE 5:

Based on the data obtained from the remedial investigation, NYSDEC concludes that no contamination source remains on the site. If information obtained from the OU2 investigation indicates that groundwater in the area of the previously-identified plume is contaminated, it will be addressed as part of the OU2 remedy.

COMMENT 6:

Considering the nature of the original releases, the State should consider the potential for a dense non aqueous phase liquid (DNAPL) source. A DNAPL screening nor data were collected to answer this question. The samples collected are too shallow to address the presence of DNAPL.

RESPONSE 6:

Based on the SCDHS historical monitoring of the site and the NYSDEC investigation of subsurface structures, there is no indication that high volume / high concentration discharge occurred to indicate the presence of a DNAPL source.

COMMENT 7:

The previous plume delineation (1990) in the vicinity of Precision Concepts should be shown on the map showing the more recent investigation. A scale should be included on the maps so the distances between Geoprobe sampling locations can be determined.

RESPONSE 7:

The suspected 1990 plume was never delineated in part because no on-site source was identified. The 1990 SCDHS groundwater sampling points and the points where contamination was detected are represented in Figure 3. The 2000 NYSDEC on-site groundwater sampling locations, represented on Figure 2, were placed fifty feet apart in a line perpendicular to groundwater flow. Due to differences in scale, the 2000 sampling locations and the 1990 sampling locations will not fit on the same figure.

A scale has been added to Figure 3. However, the Geoprobe sampling designations on the figure are approximate.

COMMENT 8:

It wasn't evident from the Proposed Plan whether any modeling was performed to model the contaminant flow pathway and travel times from Precision Concepts to the Carmans River. If contamination from Precision Concepts is expected to be at River Road by this time, are the sample depths for the wells installed along River Road appropriate? This could be addressed in Operable Unit 2.

RESPONSE 8:

Groundwater models developed for SCDHS were used to approximate transport of groundwater from Precision Concepts towards the Carmans River. NYSDEC consulted with SCDHS in the selection of the December 2000 groundwater sampling locations near the river.

The objective of the December 2000 groundwater sampling just upgradient from the river was to determine if the river was at risk of being impacted by shallow groundwater contamination that may have originated at the site. Deeper groundwater contamination was not a concern in regard to impacting the river.

Precision Concepts Operable Unit 2 (OU2) will be designed to investigate groundwater contamination that may have originated at the site. If site related contamination is identified in groundwater, OU2 will include an investigation of possible impacts to the Carmans River.

COMMENT 9:

We wanted to ensure that the State is aware of the contamination detected west of the William Floyd Parkway in the late 1980s. If needed, we have a copy of a report that was prepared by Marine Pollution Control (now MEG) - the NYSDEC Spill number was 87-4055. A series of shallow wells were installed from William Floyd Parkway to River Road. Samples from some of these wells had high levels of BTEX, carbon tetrachloride, TCA, PCE, and TCE. The contamination that the SCDHS detected in the well installed in November 2001 may be part of this plume (Figure 4 of the PRAP). Also there is a

gasoline station and dry cleaning establishment located at the intersection of William Floyd Parkway and Moriches-Middle Island Road. Were any follow-up investigations or remedial actions conducted at these sites?

RESPONSE 9:

The NYSDEC central office has a copy of the spill report form for spill #87-04055. The petroleum related contamination was first detected by SCDHS in July 1987 in a residential supply well. Based on their investigation of the spill, the NYSDEC Region 1 Spills Response Unit (Spills) reported, "All the data colleted in association with the investigation of spill #97-04055 is consistent with a gasoline release occurring at USA S/S at 520 William Floyd Parkway."

Federal community development funds were provided to the Town of to install water mains throughout the affected community circa 1988 - 1989.

Prior to 1992, the NYSDEC did not regularly analyze for MTBE. Consequently, MTBE data for spill #87-04055 is extremely limited. The objective at the time was for source identification only. Therefore, the investigation focused between 44 Belmont Drive and 520 William Floyd Parkway. At the time of the 1987 investigation, MTBE was not a major issue at the site, and BTEX levels were relatively low due to natural attenuation of the dissolved plume and source removal. Source removal consisted of tank removal and excavation of contaminated soil. Due to the presence of the new water mains, the low levels of dissolved BTEX, the source removal, and the high costs of a deep three-dimensional investigation, the NYSDEC did not authorize additional state funded action past source identification.

The contamination that SCDHS recently detected in the fall of 2001 has been reported to Spills and has been assigned spill # 01-25275. Based on knowledge of the local groundwater flow and the contaminant migration pathway associated with spill #87-04055, the NYSDEC believes that the source may be the same as spill #01-25275. However, additional data is required to attempt to determine if the contamination reported under spill #01-25275 is from the same petroleum release as that reported under spill #87-04055.

NYSDEC is presently investigating spill #01-25275. SCDHS is also conducting an investigation of groundwater conditions in the area.

BROOKH&VEN

NATIONAL LABORATORY





February 13, 2002

Michael MacCabe, P.E. Environmental Engineer NYSDEC 625 Broadway Albany, New York 12233-7015

SUBJECT: COMMENTS ON THE PRECISION CONCEPTS SITE PROPOSED REMEDIAL ACTION PLAN FOR OPERABLE UNIT 1

Brookhaven National Laboratory appreciates the opportunity to review the Proposed Plan for the Precision Concepts Operable Unit I plume, located in North Shirley, New York. The Plan was well written and summarizes in sufficient detail the various investigations conducted at the site, as well as describing the exposure pathways and conclusions.

We agree with the State conclusions that additional groundwater investigations are needed for the downgradient portion of the plume to address possible future discharges of contaminated groundwater into the Carmans River. This would be accomplished under a separate Operable Unit. However, we believe that additional characterization of the site, in the form of deeper Geoprobes or vertical profiles closer to the originally identified higher concentrations of contaminants, as well as closer to the two cesspools and dry well areas, is needed to more confidently ensure there is not a significant continuing source of contamination. We recommend this limited additional field effort be performed prior to finalizing the Operable Unit I remedy.

Enclosed are more specific comments on the Proposed Plan. If you have any questions, please call Bob Howe of our office at (631) 344-5588.

Sincerely,

L.M. Hill Director, Environmental Management



L. M. Hill to M. MacCabe Page Two

Enclosure

RH:kar

CC: D. Bennett

T. Burke

L. Cunniff

W. Dorsch

J. Granzen

K. Geiger
M. Hauptmann
R. Howe

K. Klaus

S. Kumar

M. McCann

J. Lister

D. Paquette G. Penny J. Pim

D. Pocze

V. Racaniello

S. Robbins

M. Trent

K. White

File: OU III Corresp.

2/12/02

Brookhaven National Laboratory Comments on the January 2002 Proposed Remedial Action Plan (PRAP) for the Precision Concepts Operable Unit 1 Plume

General Comment:

We agree with the State conclusions that additional groundwater investigations are needed for the downgradient portion of the plume to address possible future discharges of contaminated groundwater into the Carmans River. This study, which would be accomplished under a separate Operable Unit, should range from the site boundary to the Carmans River. However, we believe that additional characterization of the site, in the form of deeper Geoprobes or vertical profiles closer to the originally identified higher concentrations of contaminants as well as near the two cesspools and dry well areas, is needed to more confidently ensure there is not a significant continuing source of contamination. We recommend this limited additional field effort be performed prior to finalizing the Operable Unit I remedy. See specific comments below for more detail.

Specific Comments:

- 1. Of the 11 Geoprobes that were performed as part of the on-site (Operable Unit 1) investigation only three appear to be in a location that was identified during the previous investigation as being in a location generally consistent with the previously identified (1990) high concentration groundwater plume. The previous (1990) investigation showed a very narrow high concentration plume at very discreet depth intervals. The highest concentration found was 9,300 ppb of 1,1,1-trichloroethane (TCA) at 31-40 feet into the water table. No samples were taken at this same depth interval (only at 20 feet and 40 feet into the water table) during the recent field effort. The one sample that detected TCA at 4.9 ppb (GSP-7) was obtained at the water table. This location is generally consistent with the previously identified plume, however, the high concentrations were identified at the 30-foot depth interval below the water table, and no samples were taken here.
- 2. Before a no-action decision is made, we believe that additional groundwater sampling should be performed. Additional characterization of the groundwater should be performed at additional locations, in the area of the previously identified groundwater plume with samples taken at more frequent intervals starting at the water table to a minimum depth of 60 feet into the water table (approximately 100 feet below grade). If this work, along with the concern in comment 3 below, is performed and contamination above MCL's is not identified, then the PRAP recommendations for no further action would be appropriate for the Operable Unit 1 (source area) portion of this plume.
- Considering the nature of the original releases, the State should consider the potential for a DNAPL source. A DNAPL screening nor data were collected to answer this question. The samples collected are too shallow to address a DNAPL.
- 4. The previous plume delineation (1990) in the vicinity of Precision Concepts should be shown on the map showing the more recent investigation. A scale should be included on the maps so the distances between Geoprobe sampling locations can be determined.
- 5. It wasn't evident from the Proposed Plan whether any modeling was performed to model the contaminant flow pathway and travel times from Precision Concepts to the Carmans River. If contamination from Precision Concepts is expected to be at River Road by this time, are the sample depths for the wells installed along River Road appropriate? This could be addressed in Operable Unit II.

6. We wanted to ensure that the State is aware of the contamination detected west of the William Floyd Parkway in the late 1980s. If needed, we have a copy of a report that was prepared by Marine Pollution Control (now MEG) - the NYSDEC Spill number was 87-4055. A series of shallow wells were installed from William Floyd Parkway to River Road. Samples from some of these wells had high levels of BTEX, carbon tetrachloride, TCA, PCE, and TCE. The contamination that the SCDHS detected in the well installed in November 2001 may be part of this plume (Figure 3 of the PRAP). Also there is a gasoline station and dry cleaning establishment located at the intersection of William Floyd Parkway and Moriches-Middle Island Road. Were any follow-up investigations or remedial actions conducted at these sites?

APPENDIX B

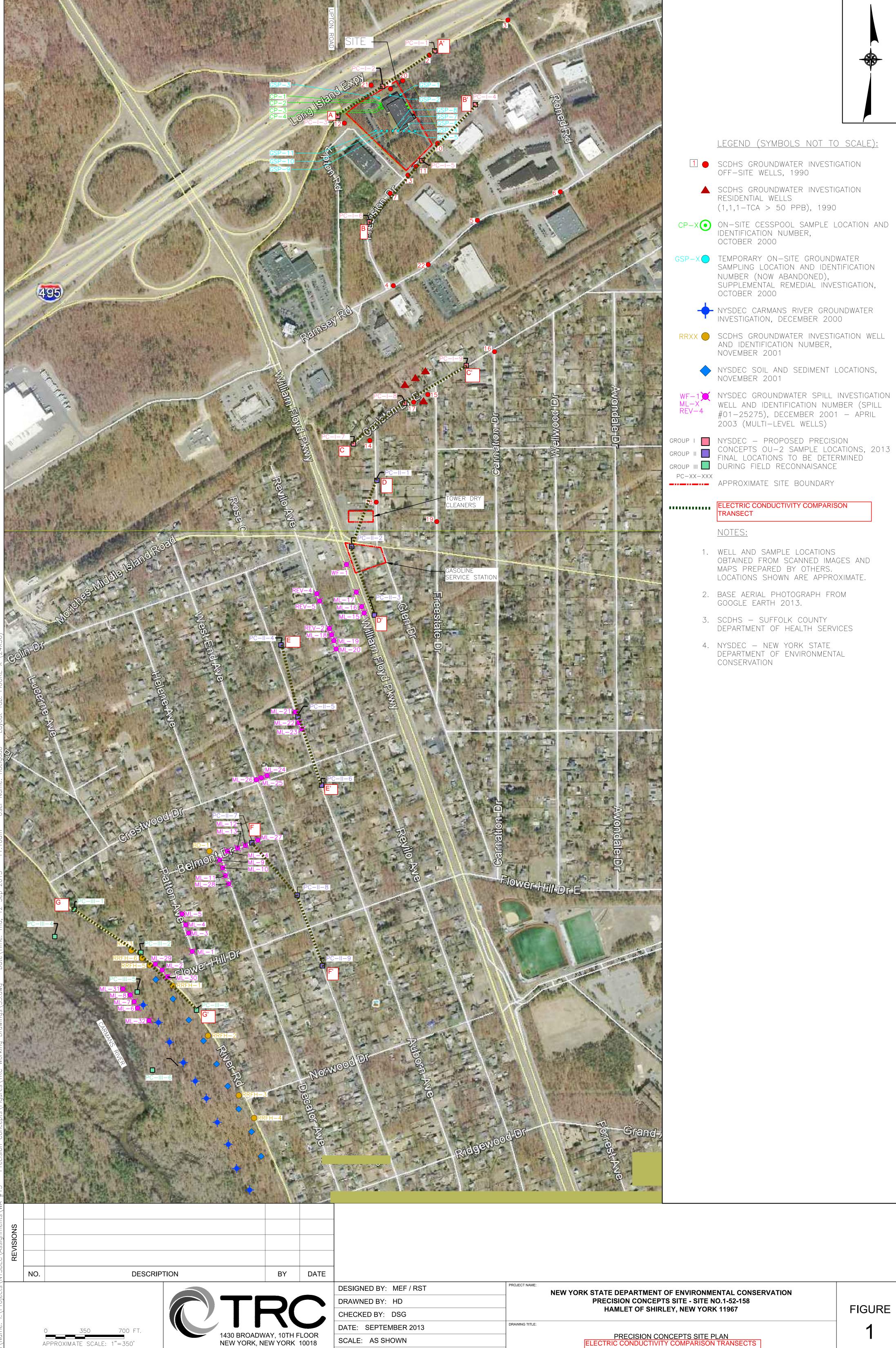
Administrative Record

Administrative Record

- 1. <u>Focused Remedial Investigation Work Plan, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, September 1998, Kempy Engineering & General Consolidated Industries, Inc.</u>
- Focused Remedial Investigation Report, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, July 1999, Kempy Engineering & General Consolidated Industries, Inc.
- 3. <u>Supplemental Remedial Investigation Work Plan, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158</u>, August 2000, Kempy Engineering & General Consolidated Industries, Inc.
- 4. <u>Spplemental Remedial Investigation On-Site Groundwater Study Report, Precision Concepts, 26 Precision Drive, Shirley, New York 11967, NYSDEC IHWDS I.D. No. 1-52-158, January 2001, General Consolidated Industries, Inc. & Kempy Engineering.</u>
- 5. <u>Precision Concepts, Operable Unit 1, Brookhaven (T), Suffolk County, New York Site No. 1-52-158, Proposed Remedial Action Plan, January 2002, New York State Department of Environmental Conservation, Division of Environmental Remediation.</u>

APPENDIX B ELECTRIC CONDUCTIVITY LOGS SUMMARY AND PROPOSED GROUNDWATER SAMPLE INTERVALS

TRC ENGINEERS, INC. September 8, 2014



SCALE: AS SHOWN

PROJECT NUMBER: 205023.0000.0000

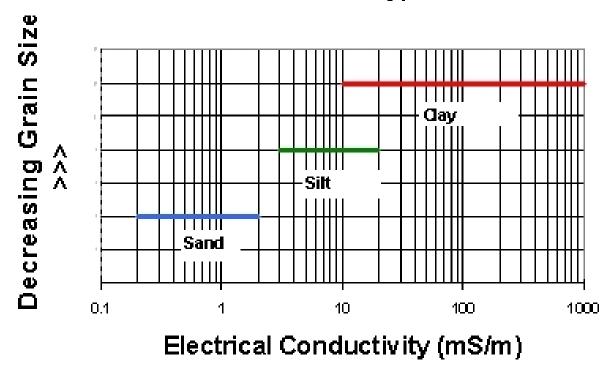
NEW YORK, NEW YORK 10018

212-221-7822

APPROXIMATE SCALE: 1"=350'

Figure 2
New York State Department of Environmental Conservation
Precision Concepts, Inc., OU#2 Site
Typical Electric Conductivity Ranges for Basic Soil Types
February 2014

Typical Electrical Conductivity Ranges for Basic Soil Types



Results you can rely on

Reference: http://geoprobe.com/ec-electrical-conductivity

ELECTRIC CONDUCTIVITY LOG COMPARISON A-A' & PROPOSED GROUNDWATER SAMPLING PLAN PC-I-3.DAT (mS/m) PC-I-1.DAT (mS/m) PC-I-2.DAT (mS/m) 50 100 0 100 0 100 0 10 20 Groundwater Table Surface 28-32 28-32 36-40 H38-42 40-44 48-52 58-62 60 58-62 68-72 68-72 70 Depth (ft) 78-82 88-92 88-92 90 88-92 98-102 98-102 98-102 108-112 108-112 108-112 118-122 118-122 118-122 130 LEGEND: Proposed Groundwater 140 29-33 Sampling Interval (feet bgs) 150 East West LIE Entrance Ramp EC PC-I-3.DAT 2/21/2014 Company: _ZEBRA Environmental Operator: 2/20/2014 Mike R Project ID: Client: PC-I-2.DAT 2/19/2014

TRC

DS23435

ELECTRIC CONDUCTIVITY LOG COMPARISON B-B' & PROPOSED GROUNDWATER SAMPLING PLAN PC-I-6.DAT (mS/m) PC-I-5.DAT (mS/m) PC-I-4.DAT (mS/m) 50 100 200 0 100 100 200 150 50 200 0 50 10 Groundwater Table Surface 20 29-33 30 39-43 39-43 48-52 50-54 58-62 58-62 58-62 68-72 68-72 68-72 80 78-82 80-84 88-92 90 96-100 98-102 100 108-112 108-112 116-120 116-120 130 LEGEND: 140 Proposed Groundwater 29-33 Sampling Interval 150 (feet bgs) B' 160 East West Natcon/Precision Drive EC 1/29/2014 PC-I-6.DAT Operator PC-I-5.DAT 1/28/2014 ZEBRA ENvironmental Mike R

DS23435

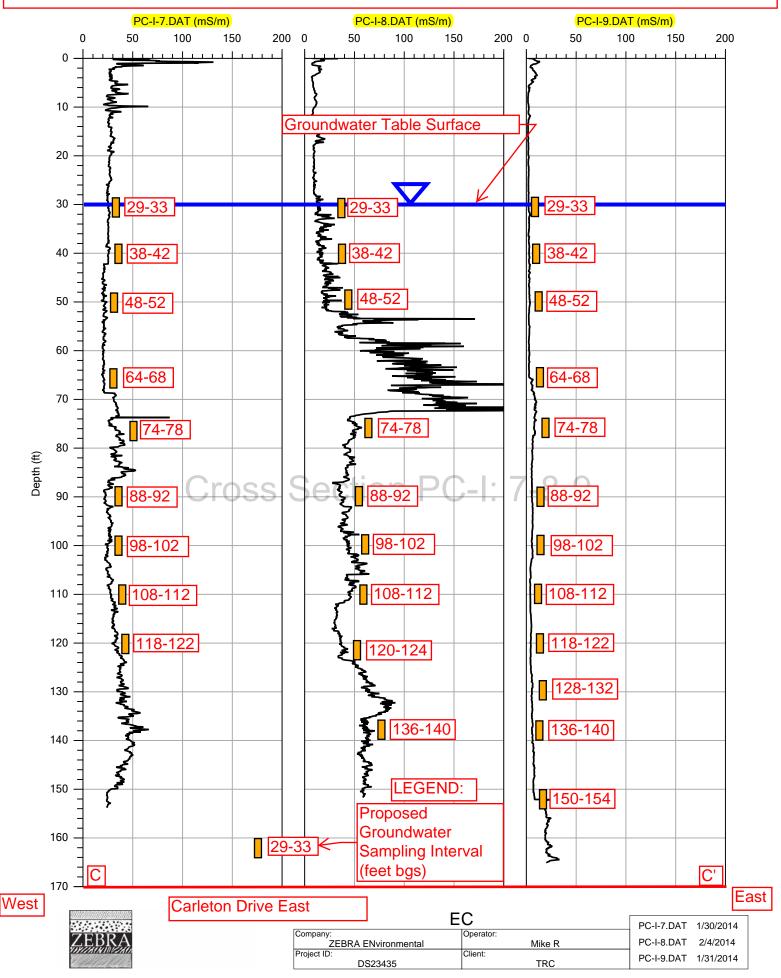
PC-I-4.DAT

TRC

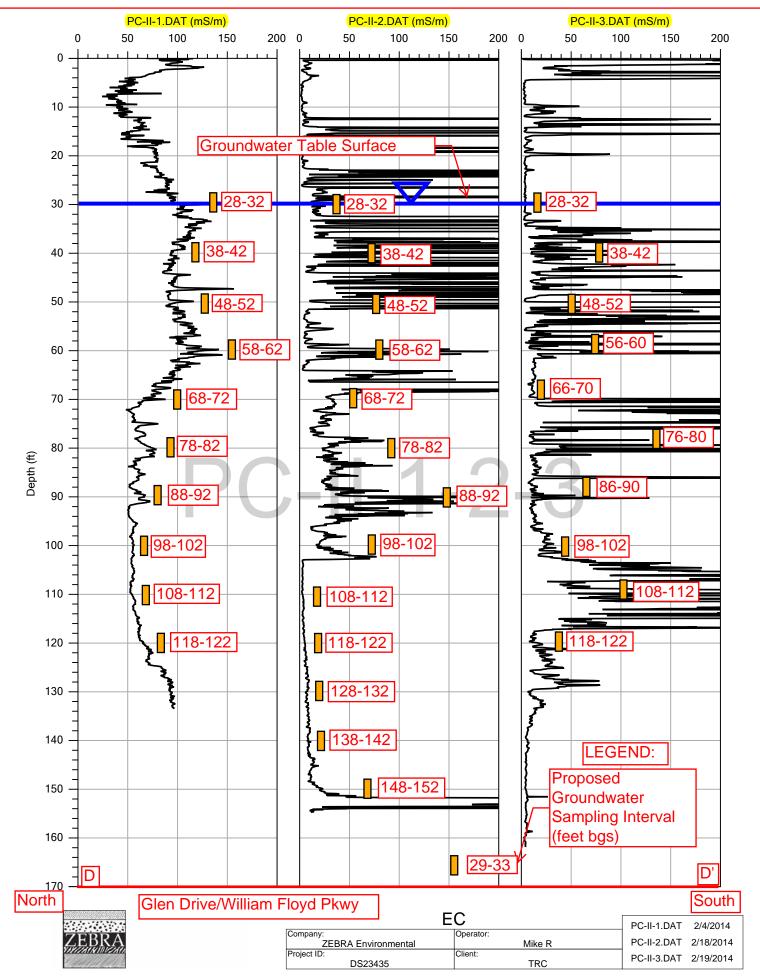
1/28/2014

Project ID:

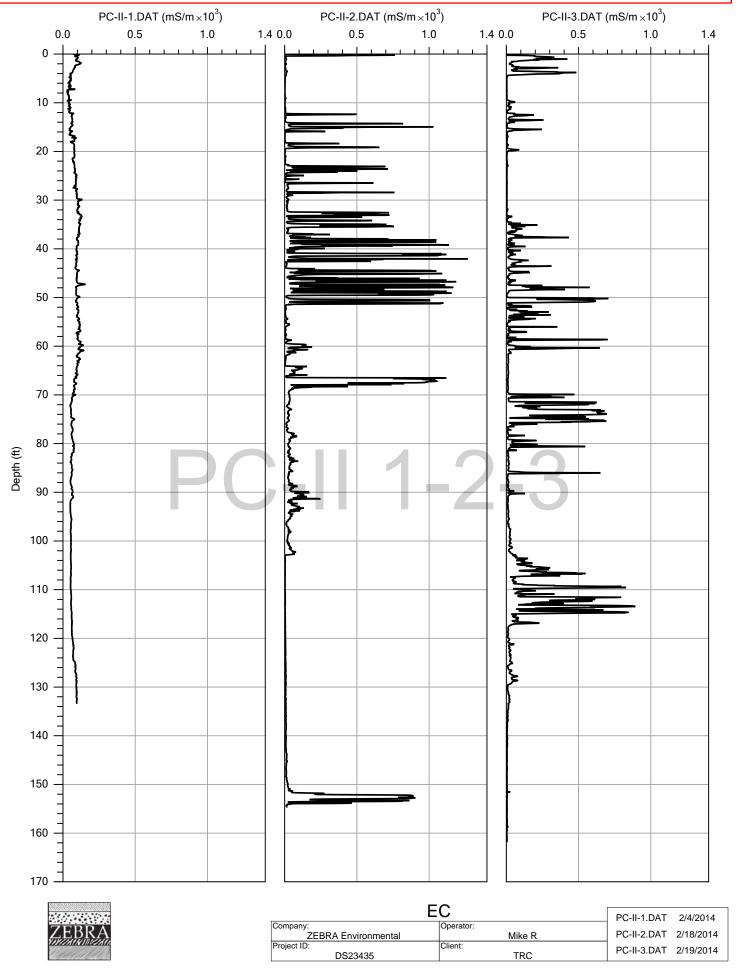
ELECTRIC CONDUCTIVITY LOG COMPARISON C-C' & PROPOSED GROUNDWATER SAMPLING PLAN



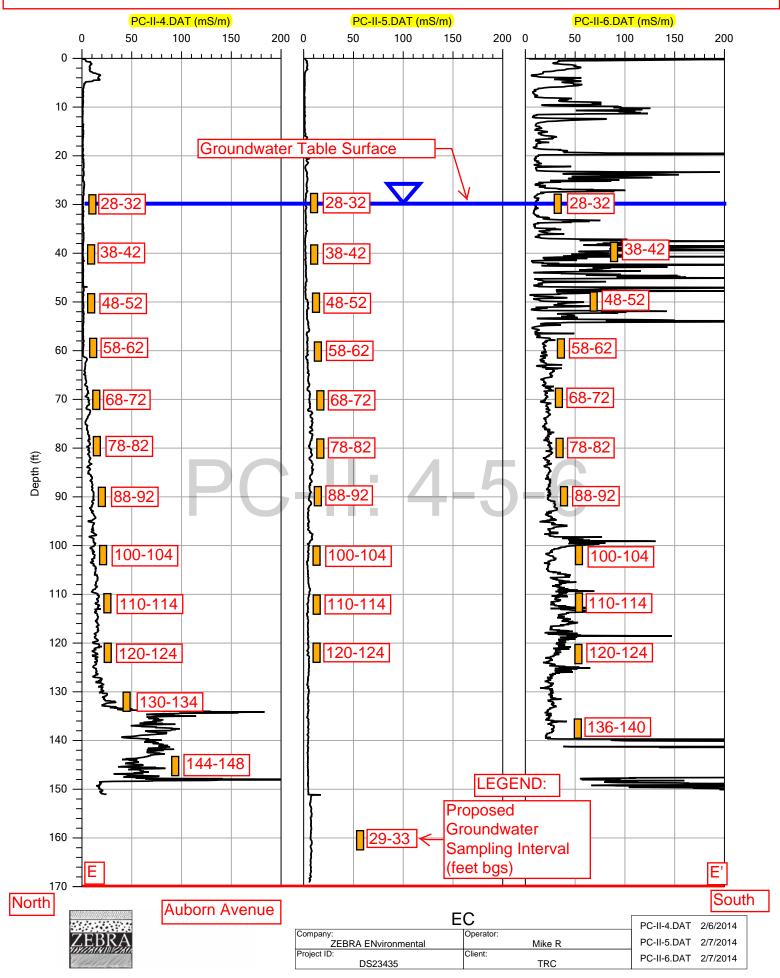
ELECTRIC CONDUCTIVITY LOG COMPARISON D-D' & PROPOSED GROUNDWATER SAMPLING PLAN



ELECTRIC CONDUCTIVITY LOG COMPARISON D-D' DIFFERENT LOG SCALE



ELECTRIC CONDUCTIVITY LOG COMPARISON E-E' & PROPOSED GROUNDWATER SAMPLING PLAN



ELECTRIC CONDUCTIVITY LOG COMPARISON F-F' & PROPOSED GROUNDWATER SAMPLING PLAN PC-II-9.DAT (mS/m) PC-II-7.DAT (mS/m) PC-II-8.DAT (mS/m) 100 200 300 0 100 200 300 0 100 200 300 10 Groundwater Table Surface 20 28-32 38-42 40 H38-42 48-52 50 57-61 58-62 58-62 68-72 68-72 H68-72 76-80 78-82 |78-82 80 84-88 Depth (ft) 88-92 88-92 90-94 98-102 98-102 108-112 108-112 110 110-114 118-122 120 130 140 LEGEND: 150 **Proposed** Groundwater 160 29-33 Sampling Interval (feet bgs) 170 F' 180 South North West End Drive EC PC-II-7.DAT 2/10/2014

ZEBRA ENvironmental

DS23435

Operator:

Mike R

TRC

2/11/2014

2/11/2014

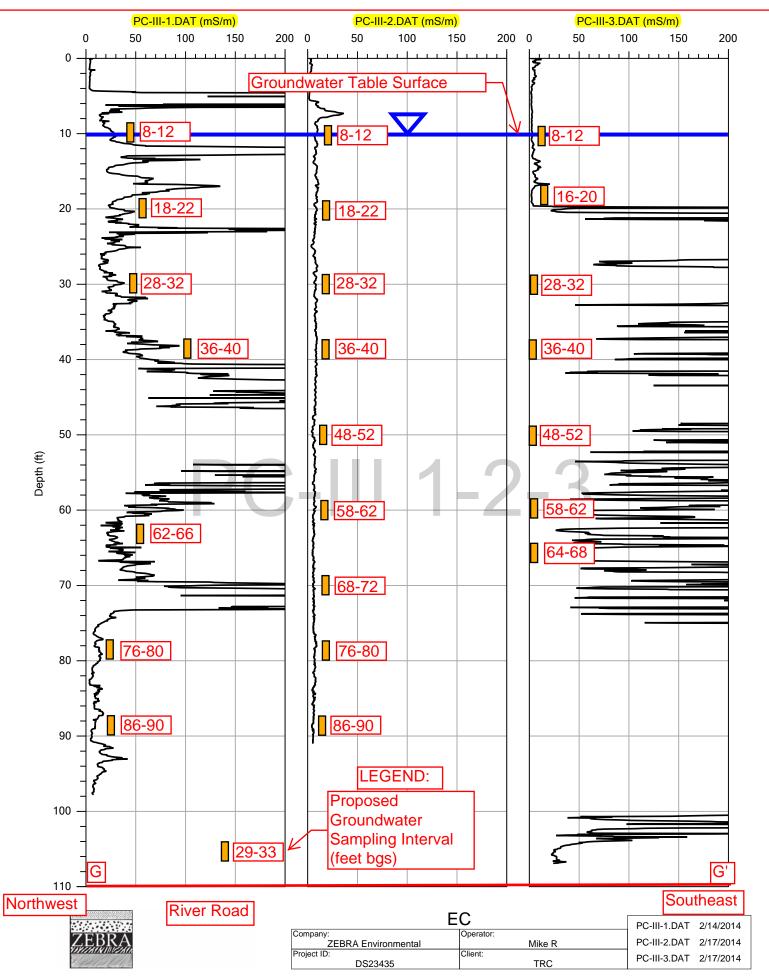
PC-II-8.DAT

PC-II-9.DAT

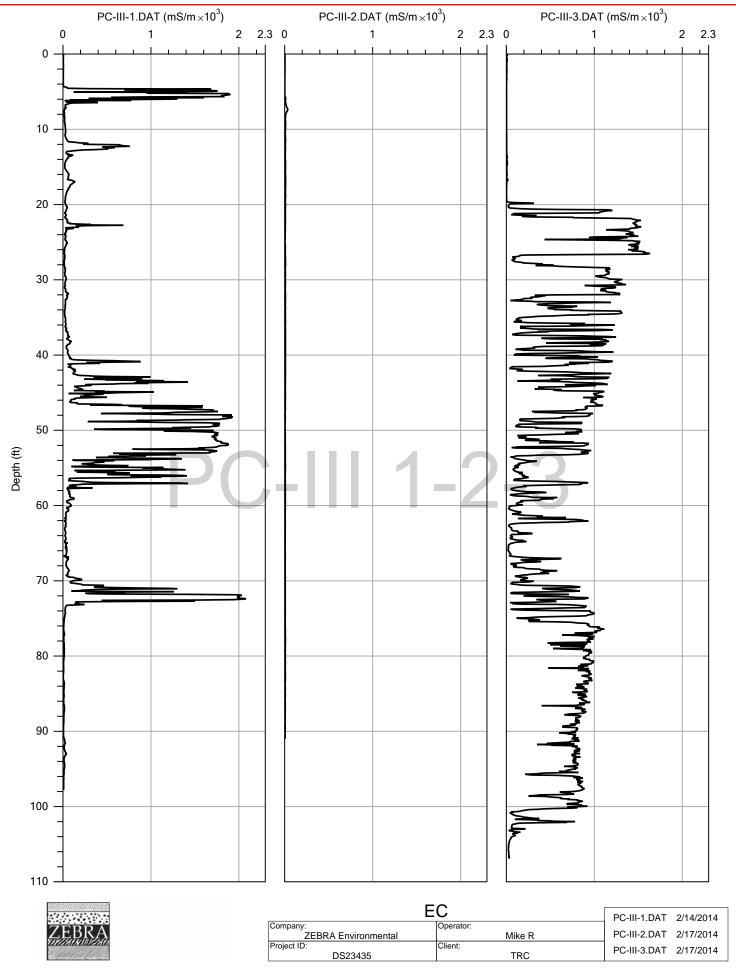
Company

Project ID:

ELECTRIC CONDUCTIVITY LOG COMPARISON G-G' & PROPOSED GROUNDWATER SAMPLING PLAN



ELECTRIC CONDUCTIVITY LOG COMPARISON G-G' DIFFERENT LOG SCALE



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect A-A' - LIE Entrance Ramp

Transect A-A - Lie E	ntrance Kamp								
Direct Push Boring Loca	ation ID: PC-SB-I-01								
Proposed Sample Interval				Analysis Requ	iired (1)				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-I-01 (WG) (28-32)			X					
40 to 44	PC-SB-I-01 (WG) (40-44)			X					
48 to 52	PC-SB-I-01 (WG) (48-52)			X					
58 to 62	PC-SB-I-01 (WG) (58-62)			X					
72 to 76	PC-SB-I-01 (WG) (72-76)			X					
88 to 92	PC-SB-I-01 (WG) (88-92)			X					
98 to 102	PC-SB-I-01 (WG) (98-102)			X					
108 to 112	PC-SB-I-01 (WG) (108-112)			X					
118 to 122	PC-SB-I-01 (WG) (118-122)			X					

Direct Push Boring Loca	ntion ID: PC-SB-I-02	2								
Proposed Sample Interval					Analysis Requ	ired (1)				
(feet below ground surface)	Sample ID		Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-I-02 (WG) (2	28-32)			X					
36 to 40	PC-SB-I-02 (WG) (3	36-40)			X					
58 to 62	PC-SB-I-02 (WG) (5	58-62)			X					
68 to 72	PC-SB-I-02 (WG) (6	58-72)			X					
78 to 82	PC-SB-I-02 (WG) (7	78-82)			X					
88 to 92	PC-SB-I-02 (WG) (8	38-92)			X					
98 to 102	PC-SB-I-02 (WG) (9	98-102)			X					
108 to 112	PC-SB-I-02 (WG) (1	108-112)			X					
118 to 122	PC-SB-I-02 (WG) (1	118-122)			X					

Direct Push Boring Location ID: PC-SB-I-03											
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾						
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides		
28 to 32	PC-SB-I-03 (WG) (28-32)			X							
38 to 42	PC-SB-I-03 (WG) (38-42)			X							
48 to 52	PC-SB-I-03 (WG) (48-52)			X							
58 to 62	PC-SB-I-03 (WG) (58-62)			X							
68 to 72	PC-SB-I-03 (WG) (68-72)			X							
78 to 82	PC-SB-I-03 (WG) (78-82)			X							
88 to 92	PC-SB-I-03 (WG) (88-92)			X							
98 to 102	PC-SB-I-03 (WG) (98-102)			X							
108 to 112	PC-SB-I-03 (WG) (108-112)			X							
118 to 122	PC-SB-I-03 (WG) (118-122)			X							

Notes:

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010

Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect B-B' - Natcon/Precision Drive

Transect B-B - Natcor									
Direct Push Boring Loca	ation ID: PC-SB-I-04		_	•					
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
29 to 33	PC-SB-I-04 (WG) (29-33)			X					
39 to 43	PC-SB-I-04 (WG) (39-43)			X					
48 to 52	PC-SB-I-04 (WG) (48-52)			X					
58 to 62	PC-SB-I-04 (WG) (58-62)			X					
68 to 72	PC-SB-I-04 (WG) (68-72)			X					
80 to 84	PC-SB-I-04 (WG) (80-84)			X					
96 to 100	PC-SB-I-04 (WG) (96-100)			X					
Direct Push Boring Loca	ation ID: PC-SB-I-05								
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
29 to 33	PC-SB-I-05 (WG) (29-33)	Î	•	X					
39 to 43	PC-SB-I-05 (WG) (39-43)			X					
50 to 54	PC-SB-I-05 (WG) (50-54)			X					
58 to 62	PC-SB-I-05 (WG) (58-62)			X					
68 to 72	PC-SB-I-05 (WG) (68-72)			X					
78 to 82	PC-SB-I-05 (WG) (78-82)			X					
88 to 92	PC-SB-I-05 (WG) (88-92)			X					
98 to 102	PC-SB-I-05 (WG) (98-102)			X					
108 to 112	PC-SB-I-05 (WG) (108-112)			X					
116 to 120	PC-SB-I-05 (WG) (116-120)			X					
Direct Push Boring Loca	ation ID: PC-SB-I-06								
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
29 to 33	PC-SB-I-06 (WG) (29-33)	Î	•	X					
39 to 43	PC-SB-I-06 (WG) (39-43)			X					
50 to 54	PC-SB-I-06 (WG) (50-54)			X					
58 to 62	PC-SB-I-06 (WG) (58-62)			X					
68 to 72	PC-SB-I-06 (WG) (68-72)			X					
78 to 82	PC-SB-I-06 (WG) (78-82)			X					
98 to 102	PC-SB-I-06 (WG) (98-102)			X					
108 to 112	PC-SB-I-06 (WG) (108-112)			X					
116 to 120	PC-SB-I-06 (WG) (116-120)			X					

Notes:

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010

Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect C-C' - Carleton Drive East

Tansect C-C - Carreton Diffee East										
Direct Push Boring Loca	ation ID: PC-SB-I-07									
(feet below ground surface)	Sample ID	Sample Date	Sample Time	Analysis Requ	ired (1)					
29 to 33	PC-SB-I-07 (WG) (29-33)			X						
38 to 42	PC-SB-I-07 (WG) (38-42)			X						
48 to 52	PC-SB-I-07 (WG) (48-52)			X						
64 to 68	PC-SB-I-07 (WG) (64-68)			X						
74 to 78	PC-SB-I-07 (WG) (74-78)			X						
88 to 92	PC-SB-I-07 (WG) (88-92)			X						
98 to 102	PC-SB-I-07 (WG) (98-102)			X						
108 to 112	PC-SB-I-07 (WG) (108-112)			X						
118 to 122	PC-SB-I-07 (WG) (118-122)			X						

Direct Push Boring Loca	ation ID: PC-SB-I-08								
Proposed Sample Interval				Analysis Requ	ired (1)		_		
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
29 to 33	PC-SB-I-08 (WG) (29-33)			X					
38 to 42	PC-SB-I-08 (WG) (38-42)			X					
48 to 52	PC-SB-I-08 (WG) (48-52)			X					
74 to 78	PC-SB-I-08 (WG) (74-78)			X					
88 to 92	PC-SB-I-08 (WG) (88-92)			X					
98 to 102	PC-SB-I-08 (WG) (98-102)			X					
108 to 112	PC-SB-I-08 (WG) (108-112)			X					
120 to 124	PC-SB-I-08 (WG) (120-124)			X					
136 to 140	PC-SB-I-08 (WG) (136-140)			X					

Direct Push Boring Loca	ation ID: PC-SB-I-09								
Proposed Sample Interval				Analysis Requ	aired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
29 to 33	PC-SB-I-09 (WG) (29-33)			X					
38 to 42	PC-SB-I-09 (WG) (38-42)			X					
48 to 52	PC-SB-I-09 (WG) (48-52)			X					
64 to 68	PC-SB-I-09 (WG) (64-68)			X					
74 to 78	PC-SB-I-09 (WG) (74-78)			X					
88 to 92	PC-SB-I-09 (WG) (88-92)			X					
98 to 102	PC-SB-I-09 (WG) (98-102)			X					
108 to 112	PC-SB-I-09 (WG) (108-112)			X					
118 to 122	PC-SB-I-09 (WG) (118-122)			X					
128 to 132	PC-SB-I-09 (WG) (128-132)			X					
136 to 140	PC-SB-I-09 (WG) (136-140)			X					
150 to 154	PC-SB-I-09 (WG) (150-154)			X					

Notes:

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010

Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect D-D' - Glen Drive/William Floyd Parkway

Transect D-D - Gien L	211ve/ vviillaili Filoyu 1 ai kwa	ı y							
Direct Push Boring Loca	ation ID: PC-SB-II-01								
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-01 (WG) (28-32)			X					
38 to 42	PC-SB-II-01 (WG) (38-42)			X					
48 to 52	PC-SB-II-01 (WG) (48-52)			X					
58 to 62	PC-SB-II-01 (WG) (58-62)			X					
68 72 72	PC-SB-II-01 (WG) (68-72)			X					
78 to 82	PC-SB-II-01 (WG) (78-82)			X					
88 to 92	PC-SB-II-01 (WG) (88-92)			X					
98 to 102	PC-SB-II-01 (WG) (98-102)			X					
108 to 112	PC-SB-II-01 (WG) (108-112)			X					
118 to 122	PC-SB-II-01 (WG) (118-122)			X					

Proposed Sample Interval					Analysis Requ	uired ⁽¹⁾				
(feet below ground surface)	Sample ID		Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-02 (WG) (28-	-32)			X					
38 to 42	PC-SB-II-02 (WG) (38-	-42)			X					
48 to 52	PC-SB-II-02 (WG) (48-	-52)			X					
58 to 62	PC-SB-II-02 (WG) (58-	-62)			X					
68 72 72	PC-SB-II-02 (WG) (68-	-72)			X					
78 to 82	PC-SB-II-02 (WG) (78-	-82)			X					
88 to 92	PC-SB-II-02 (WG) (88-	-92)			X					
98 to 102	PC-SB-II-02 (WG) (98-	-102)			X					
108 to 112	PC-SB-II-02 (WG) (108	8-112)			X					
118 to 122	PC-SB-II-02 (WG) (118	8-122)			X					
128 to 132	PC-SB-II-02 (WG) (128	8-132)			X					
138 to 142	PC-SB-II-02 (WG) (138	8-142)			X					
148 to 152	PC-SB-II-02 (WG) (148	8-152)			X					

Direct Push Boring Location ID: PC-SB-II-03											
Proposed Sample Interval				Analysis Required (1)							
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides		
28 to 32	PC-SB-II-03 (WG) (28-32)			X							
38 to 42	PC-SB-II-03 (WG) (38-42)			X							
48 to 52	PC-SB-II-03 (WG) (48-52)			X							
56 to 60	PC-SB-II-03 (WG) (56-60)			X							
66 to 70	PC-SB-II-03 (WG) (66-70)			X							
76 to 80	PC-SB-II-03 (WG) (76-80)			X							
86 to 90	PC-SB-II-03 (WG) (86-90)			X							
98 to 102	PC-SB-II-03 (WG) (98-102)			X							
108 to 112	PC-SB-II-03 (WG) (108-112)	- -		X							
118 to 122	PC-SB-II-03 (WG) (118-122)			X							

Notes:

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010

Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect E-E' - Auborn Avenue

Transect E-E - Auborr	ii Avenue								
Direct Push Boring Loca	ation ID: PC-SB-II-04								
Proposed Sample Interval				Analysis Requ	uired (1)				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-04 (WG) (28-32)			X					
38 to 42	PC-SB-II-04 (WG) (38-42)			X					
48 to 52	PC-SB-II-04 (WG) (48-52)			X					
58 to 62	PC-SB-II-04 (WG) (58-62)			X					
68 72 72	PC-SB-II-04 (WG) (68-72)			X					
78 to 82	PC-SB-II-04 (WG) (78-82)			X					
88 to 92	PC-SB-II-04 (WG) (88-92)			X					
100 to 104	PC-SB-II-04 (WG) (100-104)			X					
110 to 114	PC-SB-II-04 (WG) (110-114)			X					
120 to 124	PC-SB-II-04 (WG) (120-124)			X					
130 to 134	PC-SB-II-04 (WG) (130-134)			X					
144 to 148	PC-SB-II-04 (WG) (144-148)			X					

Direct Push Boring Loca	Direct Push Boring Location ID: PC-SB-II-05											
Proposed Sample Interval				Analysis Required (1)								
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides			
28 to 32	PC-SB-II-05 (WG) (28-32)			X								
38 to 42	PC-SB-II-05 (WG) (38-42)			X								
48 to 52	PC-SB-II-05 (WG) (48-52)			X								
58 to 62	PC-SB-II-05 (WG) (58-62)			X								
68 72 72	PC-SB-II-05 (WG) (68-72)			X								
78 to 82	PC-SB-II-05 (WG) (78-82)			X								
88 to 92	PC-SB-II-05 (WG) (88-92)			X								
100 to 104	PC-SB-II-05 (WG) (100-104)			X								
110 to 114	PC-SB-II-05 (WG) (110-114)	_		X								
120 to 124	PC-SB-II-05 (WG) (120-124)			X								

Direct Push Boring Loca	ation ID: PC-SB-II-06								
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-06 (WG) (28-32)			X					
38 to 42	PC-SB-II-06 (WG) (38-42)			X					
48 to 52	PC-SB-II-06 (WG) (48-52)			X					
58 to 62	PC-SB-II-06 (WG) (58-62)			X					
68 72 72	PC-SB-II-06 (WG) (68-72)			X					
78 to 82	PC-SB-II-06 (WG) (78-82)			X					
88 to 92	PC-SB-II-06 (WG) (88-92)			X					
100 to 104	PC-SB-II-06 (WG) (100-104)			X					
110 to 114	PC-SB-II-06 (WG) (110-114)			X					
120 to 124	PC-SB-II-06 (WG) (120-124)			X					
136 to 140	PC-SB-II-06 (WG) (136-140)			X					

Notes:

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010

Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect F-F' - West End Drive

Transcet I'-I' - West E	na biive								
Direct Push Boring Loca	ation ID: PC-SB-II-07								
Proposed Sample Interval				Analysis Requ	uired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-07 (WG) (28-32)			X					
38 to 42	PC-SB-II-07 (WG) (38-42)			X					
48 to 52	PC-SB-II-07 (WG) (48-52)			X					
58 to 62	PC-SB-II-07 (WG) (58-62)			X					
68 72 72	PC-SB-II-07 (WG) (68-72)			X					
78 to 82	PC-SB-II-07 (WG) (78-82)			X					
88 to 92	PC-SB-II-07 (WG) (88-92)			X					
98 to 102	PC-SB-II-07 (WG) (98-102)			X					
108 to 112	PC-SB-II-07 (WG) (108-112)			X					
118 to 122	PC-SB-II-07 (WG) (118-122)			X					

Direct Push Boring Loca	ation ID: PC-SB-II-08								
Proposed Sample Interval				Analysis Requ	ired (1)		_		_
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-08 (WG) (28-32)			X					
38 to 42	PC-SB-II-08 (WG) (38-42)			X					
48 to 52	PC-SB-II-08 (WG) (48-52)			X					
57 to 61	PC-SB-II-08 (WG) (57-61)			X					
68 72 72	PC-SB-II-08 (WG) (68-72)			X					
78 to 82	PC-SB-II-08 (WG) (78-82)			X					
88 to 92	PC-SB-II-08 (WG) (88-92)			X					
98 to 102	PC-SB-II-08 (WG) (98-102)			X					
110 to 114	PC-SB-II-08 (WG) (110-114)			X					

Direct Push Boring Loca	ation ID: PC-SB-II-09								
Proposed Sample Interval				Analysis Requ	iired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
28 to 32	PC-SB-II-09 (WG) (28-32)			X					
38 to 42	PC-SB-II-09 (WG) (38-42)			X					
48 to 52	PC-SB-II-09 (WG) (48-52)			X					
58 to 62	PC-SB-II-09 (WG) (58-62)			X					
68 72 72	PC-SB-II-09 (WG) (68-72)			X					
76 to 80	PC-SB-II-09 (WG) (76-80)			X					
84 to 88	PC-SB-II-09 (WG) (84-88)			X					
90 to 94	PC-SB-II-09 (WG) (90-94)			X					
108 to 112	PC-SB-II-09 (WG) (108-112)			X					

Notes:

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010

Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



New York State Department of Environmental Conservation Precision Concepts, Inc., OU#2 Site Proposed Sample Plan February - March 2014

Transect G-G' - River Road

Transcet G G Raver	11044								
Direct Push Boring Loca	ation ID: PC-SB-III-01								
Proposed Sample Interval				Analysis Requ	iired (1)				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
8 to 12	PC-SB-III-01 (WG) (8-12)			X					
18 to 22	PC-SB-III-01 (WG) (18-22)			X					
28 to 32	PC-SB-III-01 (WG) (28-32)			X					
36 to 40	PC-SB-III-01 (WG) (36-40)			X					
62 72 66	PC-SB-III-01 (WG) (62-66)			X					
76 to 80	PC-SB-III-01 (WG) (76-80)			X					
86 to 90	PC-SB-III-01 (WG) (86-90)			X					

Direct Push Boring Loca	ation ID: PC-SB-III-02								
Proposed Sample Interval				Analysis Requ	ired ⁽¹⁾				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
8 to 12	PC-SB-III-02 (WG) (8-12)			X					
18 to 22	PC-SB-III-02 (WG) (18-22)			X					
28 to 32	PC-SB-III-02 (WG) (28-32)			X					
36 to 40	PC-SB-III-02 (WG) (36-40)			X					
48 to 52	PC-SB-III-02 (WG) (48-52)								
58 72 62	PC-SB-III-02 (WG) (58-62)			X					
68 to 72	PC-SB-III-02 (WG) (68-72)			X					
76 to 80	PC-SB-III-02 (WG) (76-80)			X					1
86 to 90	PC-SB-III-02 (WG) (86-90)			X					1

Direct Push Boring Loca	ation ID: PC-SB-III-03								
Proposed Sample Interval				Analysis Requ	ired (1)				
(feet below ground surface)	Sample ID	Sample Date	Sample Time	VOCs + 10	SVOC+20	Total TAL Metals	Dissolved TAL Metals (2)	PCBs	Pesticides
8 to 12	PC-SB-III-03 (WG) (8-12)			X					
16 to 20	PC-SB-III-03 (WG) (16-20)			X					
28 to 32	PC-SB-III-03 (WG) (28-32)			X					
36 to 40	PC-SB-III-03 (WG) (36-40)			X					
48 to 52	PC-SB-III-03 (WG) (48-52)			X					
58 72 62	PC-SB-III-03 (WG) (58-62)			X					
64 to 68	PC-SB-III-03 (WG) (64-68)			X					

1) VOCs + 10 by USEPA Method 8260 (including MTBE, TBA and TAME)

SVOCs + 20 by USEPA Method 8270

Total TAL Metals by USEPA Method 6010 Total TAL Dissolved Metals by USEPA Method 6010 (LAB WILL FILTER)

PCBs by USEPA Method 8082

Pesticides by USEPA Method 8081



APPENDIX C GROUNDWATER SAMPLING LOGS

TRC ENGINEERS, INC. September 8, 2014



Sheet 1 of

	SAMPLE LOCATION ID	Date: 03.03.2014	4 3000 (10
50 55 1 54	Address:	Personnel: Sanjay Sharma	
PC- SB - I - 01		Site Name: Precision Concepts, Inc., OU#2	
	26 Natcon Drive, Shirley, NY	Site Location: Shirley, NY	
	On LIE Ramp	Job Number: 205023,0000,0000 Phase: 000002	

	114 15 15 15 15	PURGING I	NFORMA'	NON				WATER QUALITY METER CALIE	RATION READINGS
		Pump (2)	Purge	Purge	Row	Total	Temp:	pH: 4.01	Cond: 4.48
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.:8.75	ORP:	Turbidity: 0.0
Туре	Type	Depth (ft)	Time	Time	(ml/m)	Val. (G)	Rentel Mater Name:	Horiba U-62	
Check valve	HDPE			iA		12	Rental Meter Serial No.:	21074 /15504	

501337		(2)4 1)100				PURG	ING PARA	METERS		100 100 100 100	
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/em)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
26 - 32		TENT	110	DF	RY						
40 - 44				DR	RY	10-3 10-7 115 1-15			NA NA	NA ,	NO GW - Check valve was DRY
48 - 52	NA	NA	4.95	8.31	0.340	5.36	-235	over	PC-SB-I-01 (WG) (48-52)	1345	No odor, No sheen, Not much GV
58 - 62	NA	NA	4.44	8.38	0.187	8.03	115	312	PC-88-I-01 (WG) (58-62) ⁽¹⁾	1315	No odor, No sheen,
72 - 76	NA NA	NA	4,36	7.96	0,114	7.97	-19	116	PC-8B-I-01 (WG) (72-76) ⁽¹⁾	1245	No odor, No sheen,
88 - 92	NA .	NA	4.93	7.86	0.150	7.18	-80	62	PC-88-I-01 (WG) (88-92)	1215	No odor, No sheen,
98 - 102	NA	NA	4.80	8.20	0.223	9.46	-103	39	PC-SB-I-01 (WG) (98-102)	1145	No odor, No sheen,
108 - 112	NA	NA	3.51	7.80	0.216	5.76	-23	77	PC-SB-I-01 (WG) (108-112)	1100	No odor, No sheen,
118 - 122	NA .	NA .	3.57	7.21	0.369	8.06	202	41	PC-SB-I-01 (WG) (118-122) ⁶	1030	No odor, No sheen,
											7.5
					100					L	

REMARKS: Trip Blank included in the cooler.

Analytical Parameters:

VOC + 10 (by USEPA- 8280) including MTBE, TBA and TAM

19 Additional Analytical Parameters: SVOCs + 20 (USEPA 8270); PCBs (USEPA 8082); Posticides (USEPA 8081); TAL Metals (Total & Dissolved-Lab to filter) (USEPA 8010).

(4) Collected MS and MSD samples.

Weather Conditions: 20° F, feels like 5°F, Cloudy, Wind N @ 19 mph



Purging and Sampling Log

Direct - Push Groundwater Grab

Sheet 1 of 1 SAMPLE LOCATION ID Date: 02.27.2014 Personnel: Sanjay Sharma Site Name: Precision Concepts, Inc., OU#2 Site Location: Shirley, NY Address: PC-SB-I-02 26 Natcon Drive, Shirley, NY On LIE Ramp Job Number: 205023,0000,0000 Phase: 000001

		PURGING I	NFORMA"	non				WATER QUALITY METER CALIBRATION READINGS				
W		Pump (2)	Purge	Purge	Flow	Total	Temp:	pH: 4.0	Cond: 4,48			
Pump	Tubing	intake	Start	Stop	Rate	Purge	D.O.: 9.65	ORP:	Turbidity: 0.0			
Type	Туре	Depth (ft)	Time	Time	(mi/m)	Vol. (G)	Rental Meter Name:	Horiba U-62				
Check valve	HDPE			iA.		14	Rental Meter Serial No.:	ial No.: 21074 /18504				

57 200	- 2- Y		N 2000			PURG!	NG PARA	METERS		11.00	
Sample Depth (ft. BGS)	Flow Rate (mi/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mil/em)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
28 - 32			Secretary free Co.	DR	lY .				NA NA	NA	NO CHA Charles A DE
36 - 40				DR	RY .			(*) (*)	NA I	NA	NO GW - Check valve was DR
58 - 62	NA	NA	6.91	5.99	0.244	6.53	134	35	PC-88-1-02 (WG) (58-62) ⁽¹⁾	1430	No odor, No Sheen,
68 - 72	NA.	NA	6,44	6.14	0.245	6.29	59	125	PC-88-1-02 (WG) (68-72)	1355	No odor, No Sheen,
78 - 82	NA	NA	7.24	6.37	0.269	6.37	80	156	PC-SB-1-02 (WG) (78-82)	1330	No odor, No Sheen,
88 - 92	NA	NA	8.09	6.32	0.192	11.60	48	76	PC-8B-I-02 (WG) (88-92)	1300	No odor, No Sheen,
98 - 102	NA	NA	6.88	6.35	0.186	9.17	75	238	PC-SB-I-02 (WG) (98-102)	1230	No odor, No Sheen,
108 - 112	NA	NA	7.41	6,13	0,187	8.34	79	OVBI	PC-SB-I-02 (WG) (108-112)	1200	No odor, No Sheen,
118 - 122	NA NA	NA	7.26	6.24	0.209	5.30	61	over	PC-SB-I-02 (WG) (118-122)	1115	No odor, No Sheen,
		200						1=			
						- 11-2					

REMARKS: Trip Blank included in the cooler.

Analytical Parameters:

VOC + 10 (by USEPA- 8260) Including MTBE, TBA and TAME

Additional Analytical Parameters: SVOCs + 20 (USEPA 8270); PCBs (USEPA 8082); Pesticides (USEPA 8081); TAL Metals (Total & Dissolved-Lab to filter) (USEPA 6010).

Weather Conditions: 15° F, feels like 9°, Surny to cloudy. Light Snow/Fluries at times, Wind SE @ 4 mph



	SAMPLE LOCATION ID	Date: 02.28.2014
	Address:	Personnel: Sanjay Sharma
PC-SB-I-03	Audites.	Site Name: Precision Concepts, Inc., OU#2
84	26 Natcon Drive, Shirley, NY	Site Location: Shirley, NY
Service of Meanwhole	On LIE Ramp	Job Number: 205023.0000.0000 Phase: 000001

		PURGING I	NFORMAT	TON			1	WATER QUALITY METER CA	LIBRATION READINGS
		Pump (2)	Purge	Purge	Flow	Total	Temp:	pH: 3.99	Cond: 4.47
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 10.86	ORP:	Turbidity: 0.0
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Pantal Motor Name:	Horiba U-52	- Annual Communication of the
Check valve	HDPE			IA		17	Rental Meter Serial No.:	21074 /15504	

100000000000000000000000000000000000000	server harman		10000			PURGI	NG PARA	METERS			
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mil/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
28 - 32			= -	DR	Y						
38 - 42			(a.150cs	DR	Y		10-21-827		NA NA	NA	NO GW - Check valve was DR
48 - 62	NA	NA	7.81	6,10	0,670	5,07	103	115	PC-88-1-03-(WG) (48-52)	1500	No odor, No Sheen,
58 - 62	NA	NA	8.11	6.46	0.160	7.16	77	73	PC-SB-1-03-(WG) (58-62)	1430	No odor, No Sheen, good recharg
68 - 72	NA	NA	8,15	6.49	0,230	9.71	63	over	PC-SB-I-03-(WG) (68-72)	1400	No odor, No Sheen,
78 - 82	NA	NA	8.15	6.33	0.105	7.86	47	187	PC-SB-I-03-(WG) (78-82)	1315	No odor, No Sheen, good recharg
68 - 92	NA	NA	3.89	6.13	0.098	5.98	46	310	PC-SB-1-03-(WG) (88-92)	1230	No odor, No Sheen,
98 - 102	NA	NA	3.68	6.12	0.166	8.38	68	over	PC-8B-I-03-(WG) (98-102)	1200	No odor, No Sheen, slow recharge
108 - 112	NA NA	NA	3.16	6.10	0.217	7.26	105	86	PC-8B-I-03-(WG) (108-112)	1130	No odor, No Sheen,
118 - 122	NA	NA .	4.40	6.43	0.196	7.51	82	over	PC-SB-I-03-(WG) (118-122)	1040	No odor, No Sheen,
		razam-sa-sa-sa-sa-				1275					
MARKS:	Trip Blank Inc										

Analytical Parameters:

VOC + 10 (by USEPA- 8260) Including MTBE, TBA and TAME
Weather Conditions: 12"F, feets like -1"F, Suriny. Wind WNW @ 9 mph



SAMPLE LOCATION ID

Date: 62.28.2014

Personnel: Sanjay Sharma
Site Name: Precision Concepts, Inc., OU#2

26 Natcon Drive, Shirley, NY

Job Number: 205023.0000.0000 Phase: 000002

	100000	PURGING !	NFORMA	TON	1,52			WATER QUALITY METER CAL	BRATION READINGS
	882-1	Pump (2)	Purge	Purge	Flow		Temp:	pH: 3.98	Cond: 4.79
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 13.04	ORP:	Turbidity: 0.0
Type	Type	Depth (ft)	Time	Time	(mVm)	Vol. (G)	Rental Meter Name:	Horiba U-52	
Check valve	HDPE		1	IA.	74.25	12	Rental Mater Serial No.:	21074 /15504	

						PURGIN	NG PARAM	METERS			
Sample Depth (ft. BGS)	Flow Rate (mi/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/om)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
29 - 33				DF	SY.					NET T	
39 - 43		2000		DF	RY				NA	NA	NO GW - Check valve was DR
48 - 52		200		DR	lY		TOTAL STREET		1		
58 - 62	NA	NA	6.61	6.24	0.268	6.61	99	169	PC-SB-I-64(WG) (58-62)	1230	No odor, no sheen. Good recharg
68 - 72	NA.	NA	6.24	6.12	0.271	6.43	98	over	PC-SB-I-04(WG) (68-72)	1145	Very turbid GW, No odor, no she
80 - 84	NA	NA	7.71	5,68	0.479	6.78	127	75	PC-SB-I-04(WG) (80-84)	1100	No odor, no sheen. Slow purging
96 - 100	NA	NA	7.58	5.19	0.674	7.40	155	101	PC-SB-I-04(WG) (96-100)	1015	No odor, no sheen, very silty
							luca I				
100			77			7 510	S. TELL				
172						III 48					
								10-13-19(14-8, S)			
						3377 - VSS-31					
							- 12 W - 18				
					70000			1130		15(1)	
	у н п		•	11							- 1 1
					(Company)						
MARKS:	None				191						
alytical Para	imeters:		- 300					_		-	
	ISEPA- 8260)	including M	IBE. TRA	and TAM							
ather Cond		27° F, feels II			in all lines	1075-2111 A		-	SHIP THE PARTY OF	- No. 100 PT	



Sheet 1 of 1

	SAMPLE LOCATION ID	Date: 03.04.2014
	Address:	Personnel: Sanjay Sharma
PC- SB - I - 05	26 Natcon Drive, Shirley, NY	Site Name: Precision Concepts, Inc., OU#2
		Site Location: Shirley, NY
	On Precision Drive	Job Number: 205023,0000.0000 Phase: 000001

	P	URGING I	VFORM.	MOITA				WATER QUALITY METER C.	ALIBRATION READINGS
		Pump (2)	Purge	Purge	Flow		Temp:	pH: 4.01	Cond: 4.65
Pump	'I'obing	Intake	Start	Stop	Rate	Purge	D.U.: 11.51	ORP:	Turbidity: 0.0
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Meter	Nam Horiba U-52	
Check valve	HDPE		N	A	-0/5/10/2500	16	Rental Meter	Seri: 21074 /15504	

						PUI	RGING P	ARAME	TERS		
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (ppm)	ORP (mv)	Turbidit (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
29 - 33		1000 to 1000 to	Ti ti di	DR	Υ		=.2-08.42				
39 - 43			578 V - 42	DR	Y	- 3000			NA NA	NA	NO GW - Check valve was DRY
50 - 54	NA	NA	9.49	5.62	1.120	3.91	19	over	PC-SB-I-05 (WG) (50-54) ⁽¹⁾	1430	No odor, No sheen, Not much GW
58 - 62	NA	NA	9.23	5.12	0.796	7.63	76	96	PC-SB-I-05 (WG) (58-62)(1)HOLD	1345	No odor, No sheen,
68 - 72	NA	NA	9.36	5.47	0.732	4.59	3	88	PC-SB-I-05 (WG) (68-72)	1315	No odor, No sheen,
78 - 82	NA	NA	8.32	5.21	1.010	4.87	37	86	PC-SB-I-05 (WG) (78-82) ⁽¹⁾	1245	No odor, No sheen,
88 - 92	NA	NA	8.25	5.52	0.622	3.65	-9 2	175	PC-SB-I-05 (WG) (88-92)	1200	No odor, No sheen,
98 - 102	NA	NA	8.10	5.62	0.196	5.76	10	345	PC-SB-I-05 (WG) (98-102)(1)HOL	1130	No odor, No sheen,
108 - 112	NA	NA	7.76	5.51	0.261	4.86	17	48	PC-SB-I-05 (WG) (108-112)	1100	No odor, No sheen,
116 - 120	NA	NA	6.99	5.26	0.416	3.12	73	Over	PC-SB-I-05 (WG) (116-120)	1015	No odor, No sheen,

REMARKS: Trip Blank included in the cooler.

Analytical Parameters:

VOC + 10 (by USEPA- 8260) including MTBE, TBA at

t) Additional Analytical Parameters: SVOCs + 20 (USEPA 8270); PCBs (USEPA 8082); Pesticides (USEPA 8081); TAL Metals (Total & Dissolved-Lab to filter) (USEPA 6 ©HOLD Additional analytical parameter's analysis is on HOLD.

Weather Conditions: 14° F, feels like 4°F, Cloudy, Wind N @ 7 mph



Sheet 1 of 1

	SAMPLE LOCATION ID	Date: 03.05.2014
	Address:	Personnel: Sanjay Sharma
PC- SB - I - 06	Audress:	Site Name: Precision Concepts, Inc., OU#2
	26 Natcon Drive, Shirley, NY	Site Location: Shirley, NY
	On Precision Drive	Job Number: 205023.0000.0000 Phase: 000002

	P	JRGING II	FORM	ATION				WATER QUALITY METER CA	LIBRATION READINGS
1			Purge	Purge	Flow			pH: 4.01	Cond: 4.65
Pump	l ubing	Intake	Start	Stop	Kate	Purge	D.O.: 11.51	ORP:	Turbidity: 0.0
Type	Туре	Depth (ft	Time	Time	(ml/m)	Vol (G)	Rental Meter	Nan Horiba U-52	
Check valve	HDPE		N	A		11	Rental Meter	Seri 21074 /15504	

Sample		1 1					Γ	T		·	
Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft	Temp (°C)	pH (su)	Cond (mS/cm)	(ppm)	ORP (mv)	(NTU)	Sample ID:	Sample Time:	Water Conditions/Comment
29 - 33				DR	lΥ		ages where the process of				
39 - 43				DR	ιΥ		89	3 9 9	NA.	NA	NO GW - Check valve was DR
50 - 54			verse saw	DR	ĽΥ				535567 \$15-4 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0		Andrew Control
58 - 62	NA	NA	11,65	6.55	0.219	4,27	51	over	PC-SB-I-06 (WG) (58-62) with MS & MSD	1415	No odor, No sheen,
68 - 72	NA	NA	9,71	6.50	0.178	8.19	15	472	PC-SB-I-06 (WG) (68-72)	1215	No odor, No sheen,
78 - 82	NA	NA	9,67	6,31	0,276	7.31	31	184	PC-SB-I-06 (WG) (78-82)	1130	No odor, No sheen,
98 - 102	NA	NA	9.35	6,58	0.311	6.63	11	79	PC-SB-I-06 (WG) (98-102)	1100	No odor, No sheen,
108 - 112	NA	NA	8,99	6.64	0.291	1.35	-22	102	PC-SB-I-06 (WG) (108-112)	1015	No odor, No sheen,
116 - 120	NA	NA	8.73	6.14	0,360	1.19	51	441	PC-SB-I-06 (WG) (116-120)	0945	No odor, No sheen,
	© 7										
		-						-	- white		

REMARKS: Trip Blank included in the cooler.

Collected MS & MSD from PC-SB-I-06 (WG) (58-62).

Analytical Parameters:

VOC + 10 (by USEPA- 8260) including MTBE, TBA and TAME.

Weather Conditions: 27° F, Cloudy, Wind WNW @ 1 mph



Sheet 1 of 1

	SAMPLE LOCATION ID	Date: 03.06.2014
	Address:	Personnel: Sanjay Sharma
PC- SB - I - 07	raturess.	Site Name: Precision Concepts, Inc., OU#2
	26 Natcon Drive, Shirley, NY	Site Location: Shirley, NY
	On Carlton Drtive East	Job Number: 205023,0000,0000 Phase: 000002

	Pl	URGING I	NFORM	ATION				CALIBRATION READINGS	
Pump	Tubing	Pump (2) Intake	Purge Start	Purge Stop	Flow Kate		Temp: D.O.: 11.88	pH: 3.99 ORP:	Cond: 4.47 Turbidity: 0.0
Type	Туре	Depth (ft	Time	Time	(mVm)	Vol. (G)	Rental Meter	Name:	Horiba U-52
Check valve	HDPE		N	ÍΑ		14	Rental Meter	Serial No.:	21074/15504

						PUR	GING P	ARAMET	ERS		
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (ppm)	ORP (mv)	Turbidit (NTU)	Sample ID:	Sample Time:	Water Conditions/Comment
29 - 33				DF	LY.					1	
38 - 42			12% 5	DF	LY.					1	
48 - 52				DF	LY.				NA.	NA	NO GW - Check valve was DR
64 - 68				DF	lΥ	80 + 9=1 ==	II n				
74 - 78	NA	NA	7.91	6.35	0.345	6.55	-20	72	PC-SB-I-07 (WG) (74-78)	1300	No odor, No sheen,
88 - 92	NA	NA.	7.43	6.20	0,397	4.16	-72	231	PC-SB-I-07 (WG) (88-92)	1215	No odor, No sheen,
98 - 102	NA	NA	6.83	6.01	0.394	5.75	-38	89	PC-SB-I-07 (WG) (98-102)	1145	No odor, No sheen,
108 - 112	NA	NA	6.68	5.75	0.397	5,86	-22	106	PC-SB-I-07 (WG) (108-112)	1115	No odor, No sheen,
118 - 122	NA	NA	5.92	5.11	0.499	6.38	176	575	PC-SB-I-07 (WG) (118-122)	1045	No odor, No sheen,
										1	
					\vdash			1			

Analytical Parameters:

VOC + 10 (by USEPA- 8260) including MTBE, TBA and TAME.

Weather Conditions:

18° F, feels like 5° Sunny, Wind N @ 11 mph



Sheet 1 of 1

	Sueet 1 of
SAMPLE LOCATION ID	Dute: 03.07.2014
Address	Personnel: Sanjay Sharma
Address.	Site Name: Precision Concepts, Inc., OU#Z
26 Natcon Drive, Shirley, NY	Site Location: Shirley, NY
On Carlton Drtive East	Job Number: 205023.0000.0000 Phase: 000002
	, •

	PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS				
		Pump (2)	Purge	Purge Stop	Flow		Temp:	pH: 4.01	Cond: 4.56			
Pump	Tubing	Intake	Start	Stop	Kate	Purge	D.U.: 12.36	IORP:	Turbidity: 0.0			
Type	Type	Depth (ft	Time	Time	(ml/m)	Vol. (G)	Rental Meter	Name:	Horiba U-52			
Check valve	HDPE		N	A		13	Rental Meter	Serial No.:	21074/15504			

ter profession		terteren et en en en en		CONTRACTOR OF THE PARTY OF THE		PUR	GING P	RÄMISI	TERS		A STATE OF THE STA
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft	Temp (°C)	pH (su)	Cond (mS/cm)	D.O. (ppm)	ORP (mv)	Turbidit (NTU)		Sample Time:	Water Conditions/Comments
29 - 33			2541	DF	RY						
38 - 42				DF	RY				NA.	NA	NO GW - Check valve was DR
48 - 52	Acceptance of		25900	DR	RY						
74 - 78	NA	NA	8,71	6.05	0,296	3.72	16	111	PC-SB-I-08 (WG) (74-78)	1410	No odor, No sheen,
88 - 92	NA	NA	8.41	6.35	0.470	2.87	-33	213	PC-SB-I-08 (WG) (88-92)	1345	No odor, No sheen,
98 - 102	NA	NA	7.92	6,56	0,379	3,46	-111	78	PC-SB-I-08 (WG) (98-102)	1315	No odor, No sheen,
108 - 112	NA	NA	7,60	6,51	0,262	1.99	-157	206	PC-SB-I-08 (WG) (108-112)	1240	No odor, No sheen,
120 - 124	NA	NA	7.62	6,20	0,239	3,62	-74	441	PC-SB-I-08 (WG) (120-124)	1200	No odor, No sheen,
136 - 140	NA	NA	7,11	4,61	0.397	3,05	84	673	PC-SB-I-08 (WG) (136-140)	1120	No odor, No sheen,

REMARKS: Trip Blank included in the cooler.

Analytical Parameters:

VOC + 10 (by USEPA- 8260) including MTBE, TBA and TAME.

Weather Conditions: 28° F, feels like 5° Cloudy, Wind NE @ 5 mph



PC-SB-I-09

SAMPLE LOCATION ID

Purging and Sampling Log

Direct - Push Groundwater Grab

Sheet 1 of 1 03.10.14 Date: Personnel: Rachel Adams Site Name: Precision Concepts, Inc., OU#2 Site Location: Shirley, NY Address: 26 Natcon Dr., Shirley, NY on Carlton Dr. East

Job Number: 205023.0000.0000 Phase: 000002

			INFORM/	ATION			WATER QUALITY METER CALIBRATION READINGS					
Pump	Tubing	Pump (2) Intake	Purge Start	Purge Stop	Flow Rate	Total Purge	Temp: D.O.:	pH: 12.34 ORP:	4.01	Cond: Turbidity:	4.59 0.0	
Туре	Туре	Depth (ft)	Time	Time	(ml/m)		Rental Meter Nam					
Check Valve	HDPE					l	Rental Meter Seri	al No.:				

						PUR	SING PAR	AMETERS			
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
29-33								DRY			
38-42								DRY			
48-52								DRY			
64-68	NA	NA	10.17	6.36	0.357	5.41	-29	> 800	PC-SB-I-09 (64-68)	14:16	silty MSMSD
74-78	NA	NA	10.15	6.37	0.457	9.25	-14	> 800	PC-SB-I-09 (74-78)	14:00	silty
88-92	NA	NA NA	9.81	6.26	0.557	6.22	26	> 800	PC-SB-I-09 (88-92)	13:43	silty
98-102	NA	NA	9.45	6.33	0.546	6.31	-1	> 800	PC-SB-I-09 (98-102)	13:25	silty
108-112	NA	NA	10.09	6.27	0.432	6.42	30	> 800	PC-SB-I-09 (108-112)	12:05	silty
118-122	NA	NA	9.53	6.40	0.388	6.25	-27	> 800	PC-SB-I-09 (118-122)	11:45	silty
128-132	NA	NA	9.04	6.67	0.353	7.62	11	> 800	PC-SB-I-09 (128-132)	11:12	sifty
136-140	NA	NA	8.90	6.67	0.350	8.08	-43	> 800	PC-SB-I-09 (136-140)	10:50	silty
150-154	NA	NA	8.29	6.69	0.350	8.20	-123	> 800	PC-SB-I-09 (150-154)	10:20	silty
							-				
			1								
Remarks:	Trip blank incl	uded in coo	er								To the same of the

Remarks: Trip blank included in cooler

Analytical Parameters: (Circle ones that apply)

VOC +10 (by USEPA-8260) including MTBE, TBA and TAME

Weather Conditions:

37 F, feels like 32 F, light snow in morning



PC-SB-II-01

Check Valve

HDPE

SAMPLE LOCATION ID

158 Glen Dr.

Overcast, 46 F, feels like 50 F, no precip

Address:

Purging and Sampling Log

Direct - Push Groundwater Grab

Date: 03.11.14

Personnel: Rachel Adams
Site Name: Precision Concepts, Inc., OU#2
Site Location: Shirley, NY

		PURGINO	INFORM/	ATION					R CALIBRATION READINGS
		Pump (2)		Purge	Flow	Total	Temp:	pH: 4.00	Cond: 4.56
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 12.33	ORP:	Turbidity: 0.0
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (L)	Rental Meter Name:		
							Rental Meter Serial No.	:	

Job Number: 205023.0000.0000 Phase: 000002

						PURC	ING PARA	METERS						
Sample Depth ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments			
28-32								DRY						
38-42	,							DRY						
48-52								DRY						
58-62	DRY													
68-72	NA	NA	12.68	5.91	0.340	4.82	63	>800	PC-SB-II-01 (68-72)	12:22	slightly cloudy			
78-82	NA	NA	12.90	6.49	0.136	5.97	4	>800	PC-SB-II-01 (78-82)	12:05	slightly cloudy			
88-92	NA	NA	11.71	6.46	0.145	7.33	35	639	PC-SB-II-01 (88-92)	10:55	slightly cloudy			
98-102	NA	NA	11.64	5.02	0.284	7.53	6	>800	PC-SB-II-01 (98-102)	10:24	slightly cloudy			
108-112	NA	NA	11.36	5.92	0.348	5.39	66	>800	PC-SB-II-01 (108-112)	10:15	slightly cloudy			
118-122	NA NA	NA	11.44	5.97	0.404	9.25	159	>800	PC-SB-II-01 (118-122)	9:55	slightly cloudy			
marks:	Trip blank inc	uded in cool	er								35			

TRC ENGINEERS INC.

Weather Conditions:



PC-SB-II-02

SAMPLE LOCATION ID

Address:

Purging and Sampling Log

Direct - Push Groundwater Grab

Sheet 1 of 1 Date: 3.12.14 Personnel: Rachel Adams Site Name: Precision Concepts, Inc., OU#2 Site Location: Shirley, NY Corner of WM. Floyd Hwy and Moriches - Middle Island Rd, Shirley, NY

	77.197.13											
	PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS				
		Pump (2)	Purge	Purge	Flow		Temp:	pH: 4.01	Cond: 4.55			
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 12.35	ORP:	Turbidity: 0.0			
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Meter Name: Horiba, U-52					
0	LIDDE	I		14			Rental Meter Serial N	lo.: 21074/15504				
Check valve	aive HDPE NA											

Job Number: 205023.0000.0000 Phase: 00000_

						PUF	RGING PAR	AMETERS			
Sample Depth ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time;	Water Conditions/Comments
28-32								DRY			
38-42								DRY			
48-52	8							DRY			25.00
58-62								DRY			
68-72	NA NA	NA NA	12.09	5.91	0.372	5.74	33	> 800	PC-SB-II-02 (WG) (68-72)	13:40	Silty
78-82	NA	NA NA	12.30	5.78	0.348	5.44	47	> 800	PC-SB-II-02 (WG) (78-82)	13:28	Sitty
88-92	NA	NA NA	12.10	6.12	0.363	6.62	32	> 800	PC-SB-II-02 (WG) (88-92)	13:06	Silty
98-102	NA	NA NA	12.51	6.04	0.406	7.04	26	> 800	PC-SB-II-02 (WG) (98-102)	12:44	Silty
108-112	NA	NA	12.89	6.25	0.353	16.23	6	> 800	PC-SB-II-02 (WG) (108-112)	12:21	Silty
118-122	NA	NA	12.87	6.25	0.266	6.63	24	> 800	PC-SB-II-02 (WG) (118-122)	11:53	Silty
128-132	NA	NA NA	12.55	6.51	0.447	10.91	42	> 800	PC-SB-II-02 (WG) (128-132)	11:16	Silty
138-142	NA NA	NA	13.26	6.45	0.433	7.47	108	> 800	PC-SB-II-02 (WG) (138-142)	10:30	Silty
148-152	NA	NA	13.41	6.48	0.436	8.45	96	> 800	PC-SB-II-02 (WG) (148-152)	10:05	Sitty
			_								
	·										

Trip blank included in the cooler.

Analytical Parameters: (Circle ones that apply)

VOC + 10 (by USEPA Method 8260) including MTBE, TBA and TAME.

46 Deg. F, feels like 50 Deg F, Winds out of the E at 41 mph.



Purging and Sampling Log Direct - Push Groundwater Grab

SAMPLE LOCATION ID

Date: 3.28.14

PC-SB-II-03

Address:

Personnel: Rachel Adams
Site Name: Precision Concepts, Inc., OU#2

Site Location: Shirley, NY

Job Number: 205023.0000.0000 Phase: 000002

		PURGING I	NFORMA	TION		The T		WATER QUALITY METER CALI	BRATION READINGS
		Pump (2)	Purge	Purge Stop	Flow Rate	Total Purge	Temp:	pH: 4.0	Cond: 4.47
Pump T	Tubing	Intake	Start				0.0.:	ORP:	Turbidity: 0.0
Туре	Type	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rontal Meter Name:	Horiba U-52	
Check valve	HDPE			VA.		12	Rental Meter Serial No.:	21074 /15504	

5000	3-3-480	207001 17		1525		PURGII	NG PARA	METERS	The second second	Manufacture 1920	25%		
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comment		
28 - 32	NA NA	NA							DRY				
38 - 42	NA .	NA		DRY									
48 - 52	NA	NA	- 40	DRY									
56 - 60	NA.	NA		DRY									
66 - 70	NA.	NA	10.24	5.57	0.506	7.43	76	>800	PC-SB-II-03(WG)(66-70)	12:49	Cloudy		
76 - 80	NA.	NA	10.49	5.79	0.233	11.50	67	625	PC-SB-II-03(WG)(76-80)	11:47	Cloudy		
86 - 90	NA.	NA	10.61	6.48	0.242	22.34	21	>800	PC-SB-II-03(WG)(86-90)	11:23	Cloudy		
98 - 102	NA	NA	10.61	6.02	0.230	6.37	-1	>800	PC-SB-II-03(WG)(98-102)	10:49	Cloudy + MS/MSD		
108 - 112	NA	NA	10.53	6.04	0.246	8.51	-1	>800	PC-SB-II-03(WG)(108-112)	10:11	Cloudy		
118 - 122	NA.	NA	10.54	6.00	0.301	9.65	55	>800	PC-S8-II-03(WG)(118-122)	9:42	Cloudy		
MARKS:	Trip Blank in	cluded in t	he cooler.										
alytical Par C + 10 (by	remeters: USEPA- 8260	including i	MTBE, TB	A and TA		-							



Direct - Push Groundwater Grab

PC-SB-II-04

Address:

Auborn Ave, Shirtey, NY

Auborn Ave, Shirtey, NY

Bite Name: Precision Concepts, inc., OW/2

Site Location: Shirtey, NY

Job Number: 205023.0000.0000 Phase: 000002

#8.5-107.FF.701.		PURGING I	NFORMAT	TION				WATER QUALITY METER CALIBRATION READINGS				
Activities and the		Pump (2)	Purge	Purge	Flow		Temp:	pH: 4.1 Cond: 4				
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.:	ORP:	Turbidity: 0.1			
Туре	Type	Depth (ft)	Time	Time	(ml/m)	Val. (G)	Rental Motor Name:	Horiba U-52				
Check valve	HDPE	1		(A		16	Rental Noter Serial No.:	21074/16604				

r Gillian Missauer						PURGI	NG PARA	METERS		Kira i dell'acti			
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp	pH (su)	Cond (ratiform)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comment		
28 - 32	NA.	NA							DRY				
38 - 42	NA .	NA	and the state of t	CONN. AND	JINO AGRICA ET				DRY				
48 - 52	NA.	NA							DRY	Wenter Buckeye			
58 - 62	NA	NA		DRY									
88 - 72	NA	NA	9.05	5.91	0.587	9.13	32	>800	PC-SB-II-04(WG)(68-72)	15:14	Cloudy		
78 - 82	NA	NA	9.07	5.72	0.573	11.34	45	>800	PC-SB-II-04(WG)(78-82)	14:51	Cloudy		
88 - 92	NA	NA	8,86	6.19	0.673	15.30	-62	>800	PC-SB-II-04(WG)(88-92)	14:27	Cloudy		
100 - 104	NA	NA	8.96	6.14	0.876	4.20	-11	>800	PC-88-II-04(WG)(100-104)	13:35	Cloudy		
110 - 114	NA	NA	9.95	6.10	0.957	11.16	-10	>800	PC-SB-II-04(WG)(110-114)	13:09	Cloudy		
120 -124	NA	NA	8.80	6.07	0,929	11.51	-52	>800	PC-SB-II-04(WG)(120-124)	12:33	Cloudy		
130-134	NA NA	NA	8.60	5.90	0.535	14.46	-37	>800	PC-SB-II-04(WG)(130-134)	12:09	Cloudy		
144-148	NA	NA	7.82	5.11	0.957	25.13	11	>800	PC-8B-II-04(WG)(144-148)	11:14	Cloudy		
			o plan		y II.								
MARKS:	Trip Blank in			Jane d'organis de	w//		7/1M/, (W						

Analytical Parameters

VOC + 10 (by USEPA- 8260) including MTBE, TBA and TAME

Weather Conditions:

34°F, feets like 32°F, Sunny. Wind NW @ 8 mph



Direct - Push Groundwater Grab

Sheet 1 of 1

	SAMPLE LOCATION ID	Date: 3.28.14
	Address:	Personnel: Rachel Adams
	Address.	Site Name: Precision Concepts, Inc., OU#2
PC-SB-II-05	Auborn Avenue, Shirley, NY	Site Location: Shirley, NY
1000110011001100111		Job Number: 205023.0000.0000 Phase: 00000

	**	PURGING	INFORMA	TION			WATER QUALITY METER CA	LIBRATION READINGS
		Pump (2)	Purge	Purge	Flow		Temp: pH: 4.0	Cond: 4.47
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: ORP;	Turbidity: 0.0
Type	Type	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Meter Name: Horiba, U-52	
Check valve	HDPE		N	IA		12	Rental Meter Serial No.: 21074/15504	

						PUF	RGING PAF	RAMETERS			
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
28-32								DRY			
38-42								DRY			
48-52								DRY			
58-62								DRY			
68-72	NA	NA	7.79	6.03	0,439	4.08	99	> 800	PC-SB-II-05 (WG) (68-72)	13:03	Cloudy
78-82	NA	NA	7.34	6.21	0.486	12.31	45	> 800	PC-SB-II-05 (WG) (78-82)	11:57	Cloudy
88-92	NA	NA	6.99	6.53	0.509	16.17	16	> 800	PC-SB-II-05 (WG) (88-92)	11:32	Cloudy
100-104	NA	NA	7.83	6.03	0.470	5.05	34	> 800	PC-SB-II-05 (WG) (100-104)	11:10	Cloudy + MS/MSD
110-114	NA	. NA	8.07	6.32	0.555	23.81	38	> 800	PC-SB-II-05 (WG) (110-114)	10:45	Cloudy
120-124	NA	NA	7.10	6.25	0.343	9.19	120	> 800	PC-SB-II-05 (WG) (120-124)	10:18	Cloudy
											
							_				

Analytical Parameters: (Circle ones that apply)

VOC + 10 (by USEPA Method 8260) including MTBE, TBA and TAME.

Weather Conditions: 25 Deg. F, feels like 17 Deg F, Sunny, Wind SW at 31 mph.



Direct - Push Groundwater Grab

		Sheet 1 of 1
	SAMPLE LOCATION ID	Date: 03,19,14
PC-SB-II-06	Address:	Personnel: Rachel Adams
	Auborn Ave., Shirley, NY	Site Name: Precision Concepts, Inc., OU#2
		Site Location: Shirley, NY
		Job Number: 205023.0000.0000 Phase: 000001

		PURGING	INFORMA	ATION				WATER QUALITY METER CA	LIBRATION READINGS
		Pump (2)	Purge	Purge	Flow	Total	Temp:	pH:	Cond:
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 12.33	ORP:	Turbidity:
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (L)	Rental Meter Name:		
Check Valve	HDPE						Rental Meter Serial No.:		

						PURC	ING PARA	AMETERS				
Sample Depth ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments	
28-32								DRY				
38-42		DRY										
48-52	DRY											
58-62	NA	NA	11.23	6.74	0.327	4.35	-37	>800	PC-SB-II-06-(WG) (58-62)	14:40	silty	
68-72	NA	NA	10.37	6.31	0.588	2.69	-84	>800	PC-SB-II-06-(WG) (68-72)	14:26	silty	
78-82	NA	NA	11.02	6.07	0.564	2.86	-28	>800	PC-SB-II-06-(WG) (78-82)	14:02	silty	
88-92	NA	NA	10.69	6.40	0.569	5.93	-39	>800	PC-SB-II-06-(WG) (88-92)	13:40	silty	
100-104	NA	NA	10.83	6.78	0.308	9.07	-32	>800	PC-SB-II-06-(WG) (100-104)	13:14	silty	
110-114	NA	NA	9.56	6.72	0.314	4.02	1	>800	PC-SB-II-06-(WG) (110-114)	11:42	silty	
120-124	NA	NA	10.62	6,51	0.280	12.29	66	>800	PC-SB-II-06-(WG) (120-124)	11:08	silty	
136-140	NA	NA	10.09	6.65	0.352	2.23	-157	>800	PC-SB-II-06-(WG) (136-140)	10:32	clay/gray/very silty	
							··· -					
marks:	Trip blank incl	uded in cool	er									
alvtical P	Parameters:	(Circle one	s that ann	Iv)								
		124010 0116	an app	.,,	VOC +10 (b)	y USEPA-82	260) includi	ng MTBE, 1	TBA and TAME			
	nditions:											



Direct - Push Groundwater Grab

Sheet 1 of 1

	SAMPLE LOCATION ID	Date: 3.13.14
	Address:	Personnel: Rachel Adams
	Address.	Site Name: Precision Concepts, Inc., OU#2
PC-SB-II-07	Belmont Drive, Shirley, NY	Site Location: Shirley, NY
		Job Number: 205023.0000.0000 Phase: 00000

		PURGING	INFORM/	ATION			ľ	WATER QUALITY N	ETER CALIBRATION READINGS
		Pump (2)	Purge	Purge	Flow	Total	Temp:	pH: 4.0	Cond: 4.55
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 12.34	ORP:	Turbidity: 0.1
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Meter Name: H	oriba, U-52	
Check valve	HDPE			1.6			Rental Meter Serial No.	.: 21074/15504	
Check valve	TUPE			iA			L		

						PUF	RGING PAF	AMETERS				
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments	
28-32								DRY				
38-42								DRY				
48-52								DRY	Maria			
58-62		DRY										
68-72		,						DRY			····	
78-82	NA	NA NA	6.43	5.81	0.265	6.76	-38	545	PC-SB-II-07 (WG) (78-82)	11:53	Slightly Cloudy	
88-92	NA	NA NA	3.40	6.32	0.361	5.21	-52	556	PC-SB-II-07 (WG) (88-92)	11:07	Slightly Cloudy	
98-102	NA	NA NA	3.86	6.12	0.323	4.73	-42	741	PC-SB-II-07 (WG) (98-102)	10:48	Slightly Cloudy	
108-112	NA	NA	3.00	6.33	0.217	3.81	-51	336	PC-SB-II-07 (WG) (108-112)	10:27	Slightly Cloudy	
118-122	NA	NA	4.28	5.81	0.256	6.73	189	420	PC-SB-II-07 (WG) (118-122)	10:04	Slightly Cloudy	
	-											
												
		-										
		-										
										+	,	
		 										
	cluded in the c											

Analytical Parameters: (Circle ones that apply)

VOC + 10 (by USEPA Method 8260) including MTBE, TBA and TAME.

Weather Conditions: 22 Deg. F, feels like 7 Deg F, Wind N at 25 mph.



PC-SB-II-08

SAMPLE LOCATION ID

West End Avenue, Shirley, NY

Address:

Purging and Sampling Log

Direct - Push Groundwater Grab

Sheet 1 of 1 Date: 3.17.14 Personnel: Rachel Adams Site Name: Precision Concepts, Inc., OU#2 Site Location: Shirley, NY

-	***	PURGING	INFORM	ATION				WATER QUALITY METER	CALIBRATION READINGS		
Pump	Tubing	Pump (2) Intake	Purge Start	Purge Stop	Flow Rate		Temp: D.O.: 12.34	pH: 4.01 ORP:	Cond: 4.55 Turbidity: 0.0		
Туре	Туре	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Meter Name: Hori	ba, U-52			
Check valve	HDPE						Rental Meter Serial No.: 21074/15504				

Job Number: 205023.0000.0000 Phase: 00000_

						PUF	RGING PAR	AMETERS			
Sample Depth ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m9/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
28-32								DRY			
38-42		<u>,,</u>						DRY			
48-52								DRY			
58-62								DRY			14.5
68-72	DRY										
78-82	NA	NA NA	4.34	6.08	0.430	6.72	13	0	PC-SB-II-08 (WG) (78-82)	13:03	Clear
88-92	NA	NA NA	6.76	5.73	0.440	14.58	109	379	PC-SB-II-08 (WG) (88-92)	12:37	Slightly Cloudy
98-102	NA	NA NA	4.93	6.26	0.366	5.28	54	585	PC-SB-II-08 (WG) (98-102)	12:14	Slightly Cloudy
108-112	NA	NA NA	6.15	6.33	0.298	9.23	99	0	PC-SB-II-08 (WG) (108-112)	11:55	Clear
							-				
p blank ind	cluded in the co	ooler.						· · · · · · · · · ·			
	arameters:	(Circle one									

VOC + 10 (by USEPA Method 8260) including MTBE, TBA and TAME.

Weather Conditions: 25 Deg. F, feels like 11 Deg F, Wind NNE at 18 mph.



PC-SB-II-09

SAMPLE LOCATION ID

West End Avenue, Shirley, NY

Address:

Purging and Sampling Log

Direct - Push Groundwater Grab

Date: 3,18.14

Personnel: Rachel Adams

Site Name: Precision Concepts, Inc., OU#2

Site Location: Shirley, NY

		PURGING	INFORM/	ATION			WATER QUALITY METER CALIBRATION READINGS				
		Pump (2)	Purge	Purge	Flow		Temp:	pH: 4.01	Cond: 4,55		
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.: 12.34	ORP:	Turbidity: 0.0		
Type	Type	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Meter Name:	Horiba, U-52			
							Rental Meter Serial	No.: 21074/15504			
heck valve	HDPE		יז	IA.		1					

Job Number: 205023,0000.0000 Phase: 00000_

						PUF	RGING PAF	METERS			
Sample	Flow Rate	Depth to	-		Cond		ORP		100 AV 1000		
Depth ft. BGS)	(ml/m)	Water (ft)	Temp (°C)	pH (su)	(mS/cm)	D.O. (ppm)	(mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
28-32								DRY			
38-42								DRY			
48-52								DRY			
58-62	NA	NA NA	9.36	6.29	0.428	5.26	-66	> 800	PC-SB-II-09 (WG) (58-62)	13:48	Silty
68-72	NA	NA	8.01	5.90	0.543	6.99	29	704	PC-SB-II-09 (WG) (68-72)	12:03	Silty
76-80	NA	NA	7.90	5.95	0.518	5.27	15	> 800	PC-SB-II-08 (WG) (76-80)	11:35	Silty
84-88	NA	NA	7.67	6.08	0.370	7.98	37	752	PC-SB-II-09 (WG) (84-88)	11:12	Silty
90-94	NA	NA	7.52	6.38	0.368	6.09	12	> 800	PC-SB-II-09 (WG) (90-94)	10:49	Silty
108-112	NA	NA	8.33	6.47	0.444	2.96	130	> 800	PC-SB-II-09 (WG) (108-112)	10:20	Silty
i											

Analytical Parameters: (Circle ones that apply)

VOC + 10 (by USEPA Method 8260) including MTBE, TBA and TAME.

Weather Conditions:



Direct - Push Groundwater Grab

	SAMPLE LOCATION ID	Date: 3.26.14					
	Address:	Personnel: Rachel Adams					
PC- SB - III - 1	Autoria.	Site Name: Precision Concepts, Inc., OU#2					
	River Road, Shirley, NY	Sits Location: Shirley, NY					
		Job Number: 205023,0000,0000 Phase: 000002					

	PURGING INFORMATION							WATER QUALITY METER CALIBRATION READINGS		
Pump (2) Purge Purge Flow Total						Total	Temp:	pH: 4.1	Cond: 4,48	
Pump	Tubing	Intake	Start	Stop	Rate	Purge	D.O.:	ORP:	Turbidity: 0.0	
Туре	Type	Depth (ft)	Time	Time	(ml/m)	Vol. (G)	Rental Mater Name:	Horiba U-62		
Check valve	HDPE		0.01-0.12-0.00	NA.		14	Rantal Mater Serial No.:	21074/15504		

			all av			PURG	NG PARA	METERS			The state of the s
Sample Depth (ft. BGS)	Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (m8/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
8 - 12	NA NA	NA	6.99	6.26	0.603	24.47	-56	>800	PC-SB-III-01(WG)(8-12)	11:57	Red/Brown
18 - 22	NA NA	NA	7.29	6.68	0.32	4.3	-14	55	PC-SB-III-01(WG)(18-22)	11:43	Clear
28 - 32	NA	NA	7.66	6.75	0.280	3.10	-109	>800	PC-SB-III-01(WG)(28-32)	11:31	Clear
36 - 40	NA .	NA	7.95	6.99	0.309	4.60	-41	118	PC-SB-III-01(WG)(38-40)	11:19	Clear
62 - 66	NA	NA	7.80	6.58	0.246	2.54	-100	>800	PC-SB-III-01(WG)(82-66)	11:04	Cloudy
76 - 80	NA	NA	6.76	6.61	0.279	21.43	68	>800	PC-SB-III-01(WG)(78-80)	10:52	Cloudy + MS/MSD
86 - 90	NA .	NA	7.90	6.41	0.143	5.62	45	>800	PC-SB-III-01(WG)(86-90)	10:33	Cloudy
MARKS:	Trip Blank Inc	duded in the	cooler.		ne saine						
slytical Para	umeters: JSEPA- 8260)	Including Mi	DE TRA	and TAME		-					



PC- SB - III - 2

SAMPLE LOCATION ID

River Road, Shirley, NY

Purging and Sampling Log Direct - Push Groundwater Grab

Sheet 1 of 1

Date: 3.24.14

Personnel: Rachel Adams
Site Name: Precision Concepts, Inc., OUS2
Site Location: Shirley, NY

Job Number: 205023.0000.0000 Phase: 000002

		PURGING I	NFORMA'	ΠON				WATER QUALITY METER CALIB	RATION READINGS
		Pump (2)	Purge	Purge	Flow	Total	Temp:	pH: 4.0	Cond: 4.48
Pump	Tubing	Intake	Start	Stop	Rate	Purge	0.0.:	ORP:	Turbidity: 0.0
Type	Туре	Depth (ft)	Time	Time	(mVm)	Val. (G)	Rentel Meter Name:	Horiba U-52	
Should supher	HDDE			14	THE RESIDENCE OF STREET	18	Plantal Meter Serial No.:	21074 /18804	

			and the second second			NG PARA				
Flow Rate (ml/m)	Depth to Water (ft)	Temp (°C)	pH (su)	Cond (mil/cm)	D.O. (ppm)	ORP (mv)	Turbidity (NTU)	Sample ID:	Sample Time:	Water Conditions/Comments
NA	NA	5.64	5.55	0.462	4.64	99	>800	PC-SB-III-02(WG)(4-12)	11:57	Cloudy
NA	NA	6.51	5.86	0.397	4.93	51	>800	PC-SB-III-02(WG)(4-12)	11:43	Cloudy
NA	NA	8.13	6.19	0.404	4.52	11	>800	PC-SB-III-02(WG)(4-12)	11:31	Cloudy
NA	NA	7.58	6.33	0.461	4.68	-4	>800	PC-SB-III-02(WG)(4-12)	11:19	Cloudy
NA	NA	6.71	6.15	0.326	5.87	47	>800	PC-SB-III-02(WG)(4-12)	11:04	Cloudy
NA	NA	6.11	6.79	0.258	5.35	22	>800	PC-SB-lil-02(WG)(4-12)	10:52	Cloudy
NA	NA	5.88	6.67	0,155	2.23	-74	>800	PC-SB-III-02(WG)(4-12)	10:33	Cloudy
NA	NA	5.88	6.76	0.163	2.66	-43	>800	PC-8B-(II-02(WG)(4-12)	10:15	Cloudy
NA	NA .	8.51	6.61	0.180	12.57	-91	753	PC-SB-III-02(WG)(4-12)	9:53	Cloudy
			Dr.							
	CO (51)			2000						
	(milm) NA	(ml/m) Water (ft) NA NA NA NA	(ml/m) Water (ft) CC NA NA 5.64 NA NA 6.51 NA NA 8.13 NA NA 7.58 NA NA 6.71 NA NA 6.11 NA NA 5.88 NA NA 5.88	(ml/m) Water (ft) (°C) (au) NA NA 5.84 5.55 NA NA 6.51 5.86 NA NA 8.13 6.19 NA NA 7.58 6.33 NA NA 6.71 6.15 NA NA 6.11 6.79 NA NA 5.88 6.67 NA NA 5.88 6.76	(ml/m) Water (ft) (°C) (eu) ((ml/m) Water (ft) (°C) (au) (maken) (ppm) NA NA 5.84 5.55 0.462 4.84 NA NA 6.51 5.86 0.397 4.93 NA NA 8.13 6.19 0.404 4.52 NA NA 7.58 6.33 0.461 4.68 NA NA 8.71 6.15 0.328 5.87 NA NA 6.11 6.79 0.258 5.35 NA NA 5.88 6.67 0.155 2.23 NA NA 5.88 6.76 0.163 2.66	(ml/m) Water (ft) (°C) (su) (multing) (ppm) (mv) NA NA 5.84 5.55 0.462 4.84 99 NA NA 6.51 5.88 0.397 4.93 51 NA NA 8.13 6.19 0.404 4.52 11 NA NA 7.58 6.33 0.461 4.68 -4 NA NA 6.71 6.15 0.326 5.87 47 NA NA 6.11 6.79 0.258 5.35 22 NA NA 5.88 6.67 0.155 2.23 -74 NA NA 5.88 6.76 0.163 2.66 -43	(ml/m) Water (ft) (°C) (su) (making) (ppm) (mv) (NTU) NA NA 5.64 5.55 0.462 4.64 99 >800 NA NA 6.51 5.86 0.397 4.93 51 >800 NA NA 8.13 6.19 0.404 4.52 11 >800 NA NA 7.58 6.33 0.461 4.68 -4 >800 NA NA 6.71 6.15 0.328 5.87 47 >800 NA NA 6.11 6.79 0.258 5.35 22 >800 NA NA 5.88 6.67 0.155 2.23 -74 >800 NA NA 5.88 6.76 0.163 2.66 -43 >800	(ml/m) Water (ft) (°C) (au) (ppm) (mv) (NTU) Sample ID: NA NA 5.64 5.55 0.462 4.64 99 >800 PC-SB-III-02(WG)(4-12) NA NA 6.51 5.86 0.397 4.93 51 >800 PC-SB-III-02(WG)(4-12) NA NA 8.13 6.19 0.404 4.52 11 >800 PC-SB-III-02(WG)(4-12) NA NA 7.58 6.33 0.461 4.68 -4 >800 PC-SB-III-02(WG)(4-12) NA NA 6.71 6.15 0.328 5.67 47 >800 PC-SB-III-02(WG)(4-12) NA NA 6.11 6.79 0.258 5.35 22 >800 PC-SB-III-02(WG)(4-12) NA NA 5.88 6.67 0.155 2.23 -74 >800 PC-SB-III-02(WG)(4-12) NA NA 5.88 6.76 0.163 2.66 -43 >800 PC-SB-III-02(WG)(4-12)	(ml/m) Water (ft) (°C) (au) (ppm) (mv) (NTU) Sample ID: Time: NA NA 5.64 5.55 0.462 4.64 99 >800 PC-SB-III-02(WG)(4-12) 11:57 NA NA 6.51 5.86 0.397 4.93 51 >800 PC-SB-III-02(WG)(4-12) 11:43 NA NA 8.13 6.19 0.404 4.52 11 >800 PC-SB-III-02(WG)(4-12) 11:31 NA NA 7.58 6.33 0.461 4.68 -4 >800 PC-SB-III-02(WG)(4-12) 11:19 NA NA 6.71 6.15 0.326 5.87 47 >800 PC-SB-III-02(WG)(4-12) 11:04 NA NA 6.11 6.79 0.258 5.35 22 >800 PC-SB-III-02(WG)(4-12) 10:33 NA NA 5.88 6.67 0.155 2.23 -74 >800 PC-SB-III-02(WG)(4-12) 10:15

Analytical Parameters:

VOC + 10 (by USEPA- 8260) Including MTBE, TBA and TAME

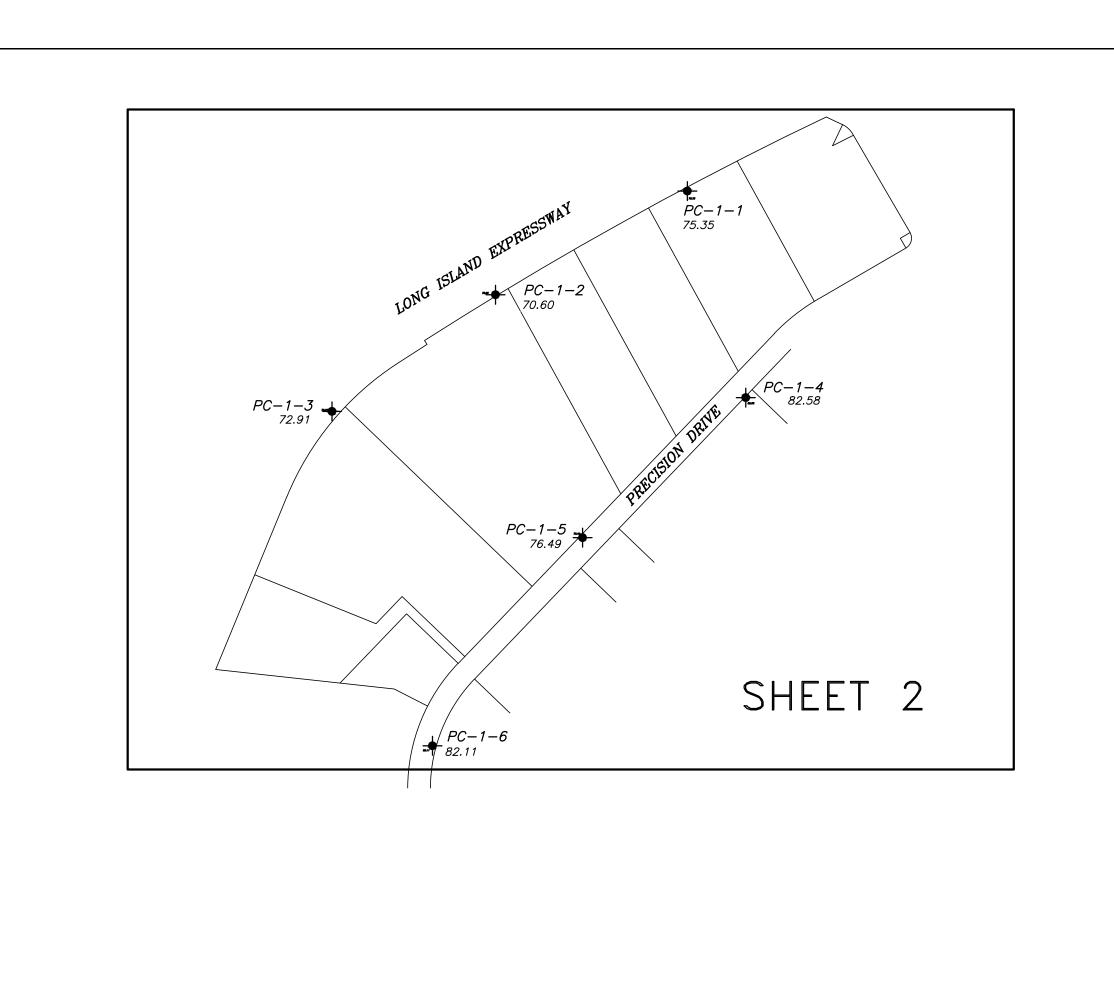
Weather Conditions: 32" F, feels like 28"F, Sunny, Wind NW @ 8 mph

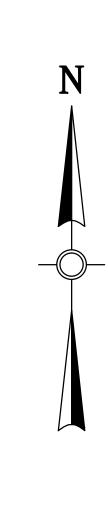
do CTRC **Purging and Sampling Log** Direct - Push Groundwater Grab A Joint Venture SAMPLE LOCATION ID Date: 3.24.14 Personnei: Rachel Adams Address: PC-SB-III-3 lite Name: Precision Concepts, Inc., OU#2 River Road, Shirtey, NY ite Location: Shirley, NY lob Number: 205023.0000.0000 Phase: 000002 PURGING INFORMATION WATER QUALITY METER CALIBRATION READINGS Pump (2) Intake Purge Start pH: 4.0 ORP: Purge Temp: D.O.: Tubing Stop Rate Pump Purge Vol. (G) Rental Mater Nam (ml/m) Horiba U-62 Type Туре Depth (ft) Time Time 21074 /15504 10 Check valve HDPE NA **PURGING PARAMETERS** Flow Rate Depth to D.O. ORP Turbidity Water Conditions/Comm Depth Temp Cond (ft. BGS) (ml/m) Water (ft) (°C) (NTU) Sample ID: Time: 8 - 12 DRY DRY 16-20 NA 8.07 5.26 0.402 4.93 143 PC-SB-(II-03(WG)(28-32) 438 15:48 36-40 NA NA 7.98 5.48 0.450 6.83 74 >800 PC-8B-III-03(WG)(38-40) 15:38 Cloudy 48-52 PC-SB-III-03(WG)(48-62) NA 5.11 NA 5.51 0.085 8.22 121 >800 14:52 Cloudy NA NA 8.75 6.53 45 Clear "MS/MSD COLLECTED" 0.234 4.91 147 PC-SB-III-03(WG)(58-62) 14:07 64-68 NA NA 8.39 6,16 0.281 2.58 61 >800 PC-SB-III-03(WG)(64-68) 13:43 Cloudy REMARKS: Trip Blank included in the cooler. Analytical Parameters: VOC + 10 (by USEPA- 8260) including MTBE, TBA and TAME

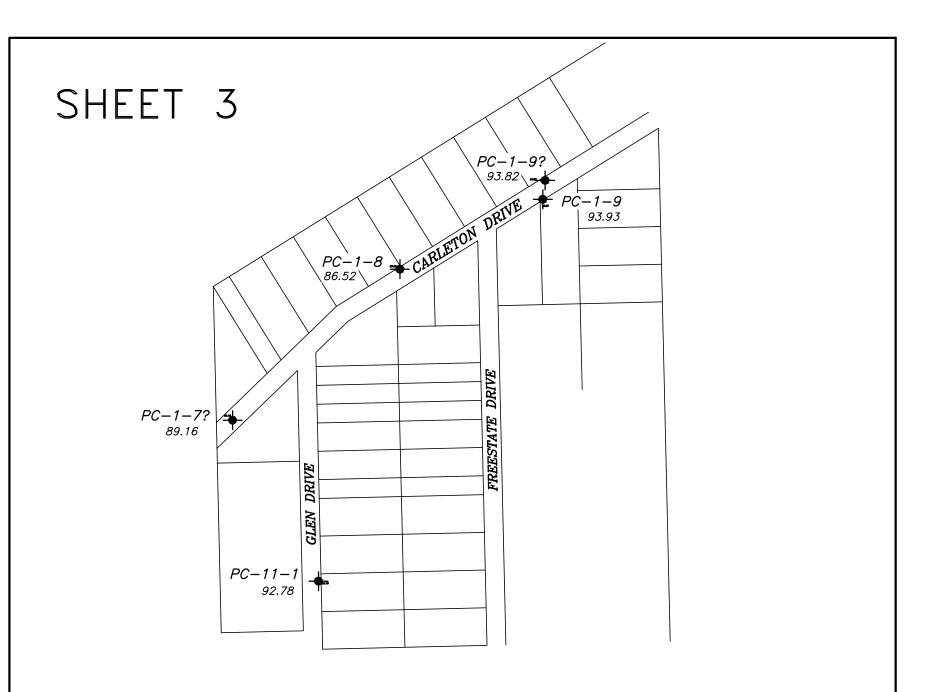
Weather Conditions:

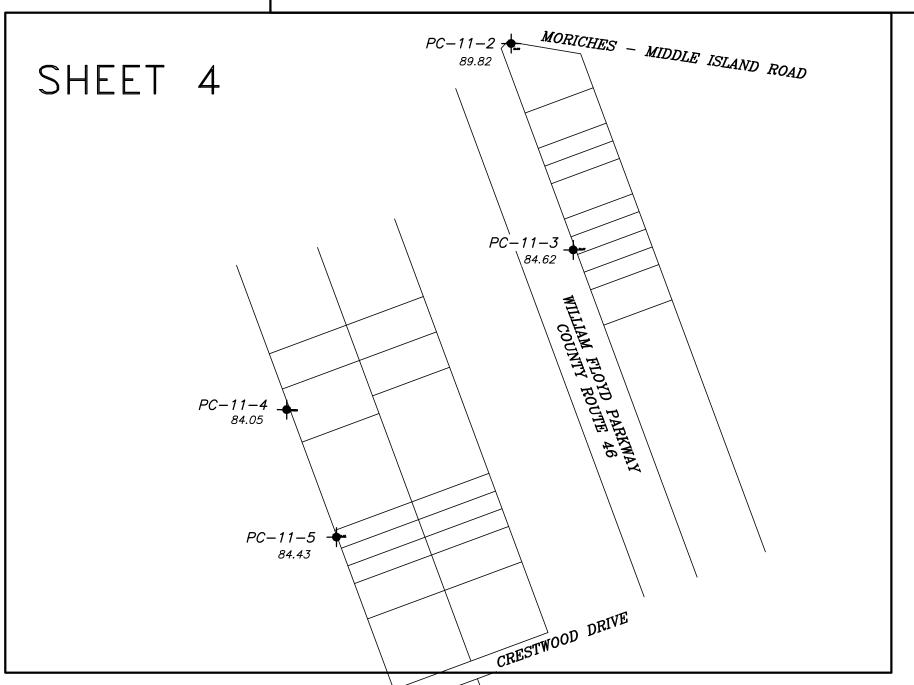
32" F, feels like 28"F, Sunny. Wind NW @ 8 mph

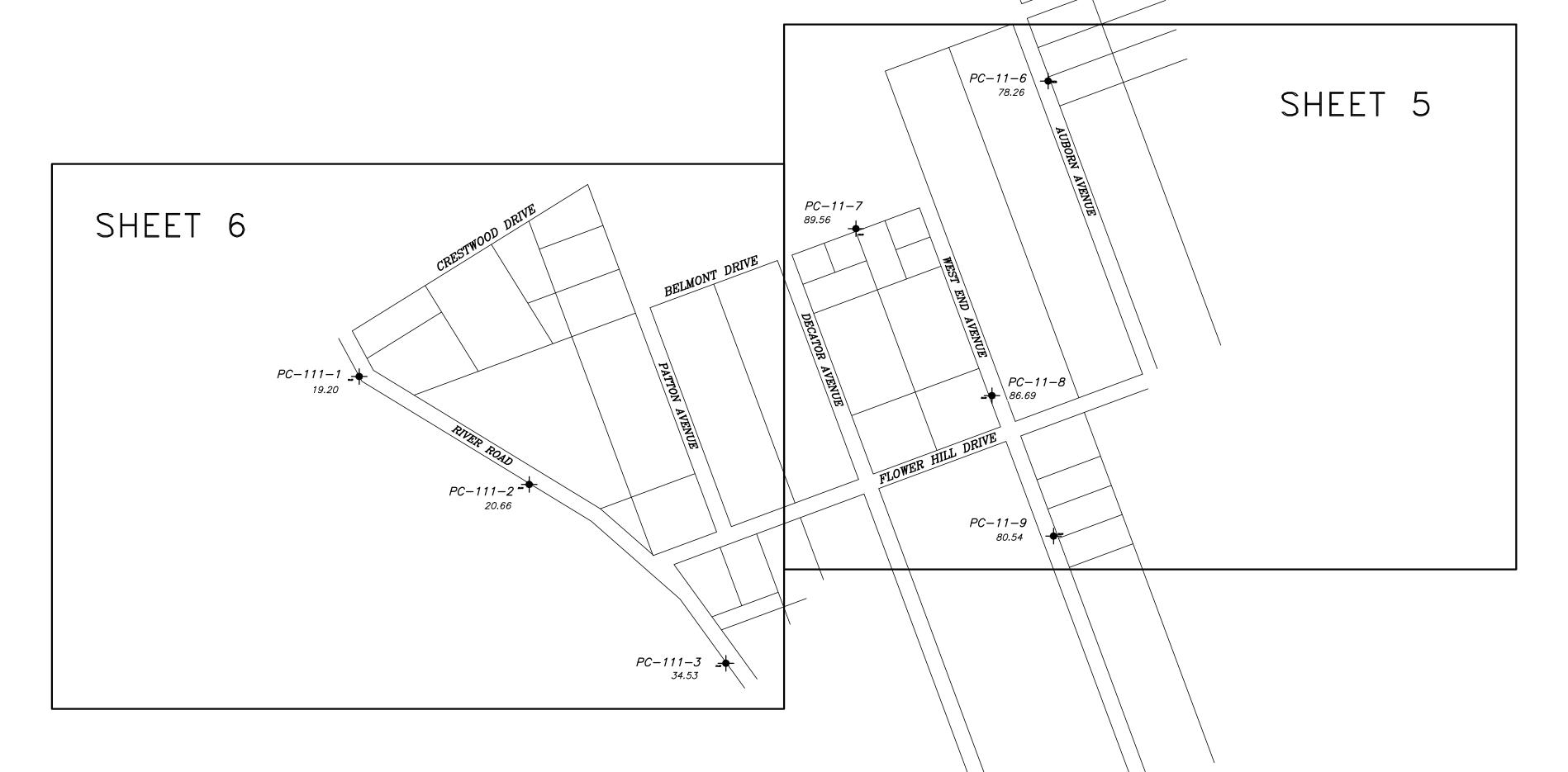
APPENDIX D SITE SURVEY











EGEND

→ GEOPROBE SAMPLE LOCATION W/ELEVATION

APPROX PROPERTY LINE FROM TAX MAPS

NOTES

1. SURVEY COMPLETED MAY 2, 2014 BY JOHN DAMIANO, LS.

 GRID NORTH ESTABLISHED FROM THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NAD83, FEET.

3. VERTICAL DATUM IS NAVD 88.

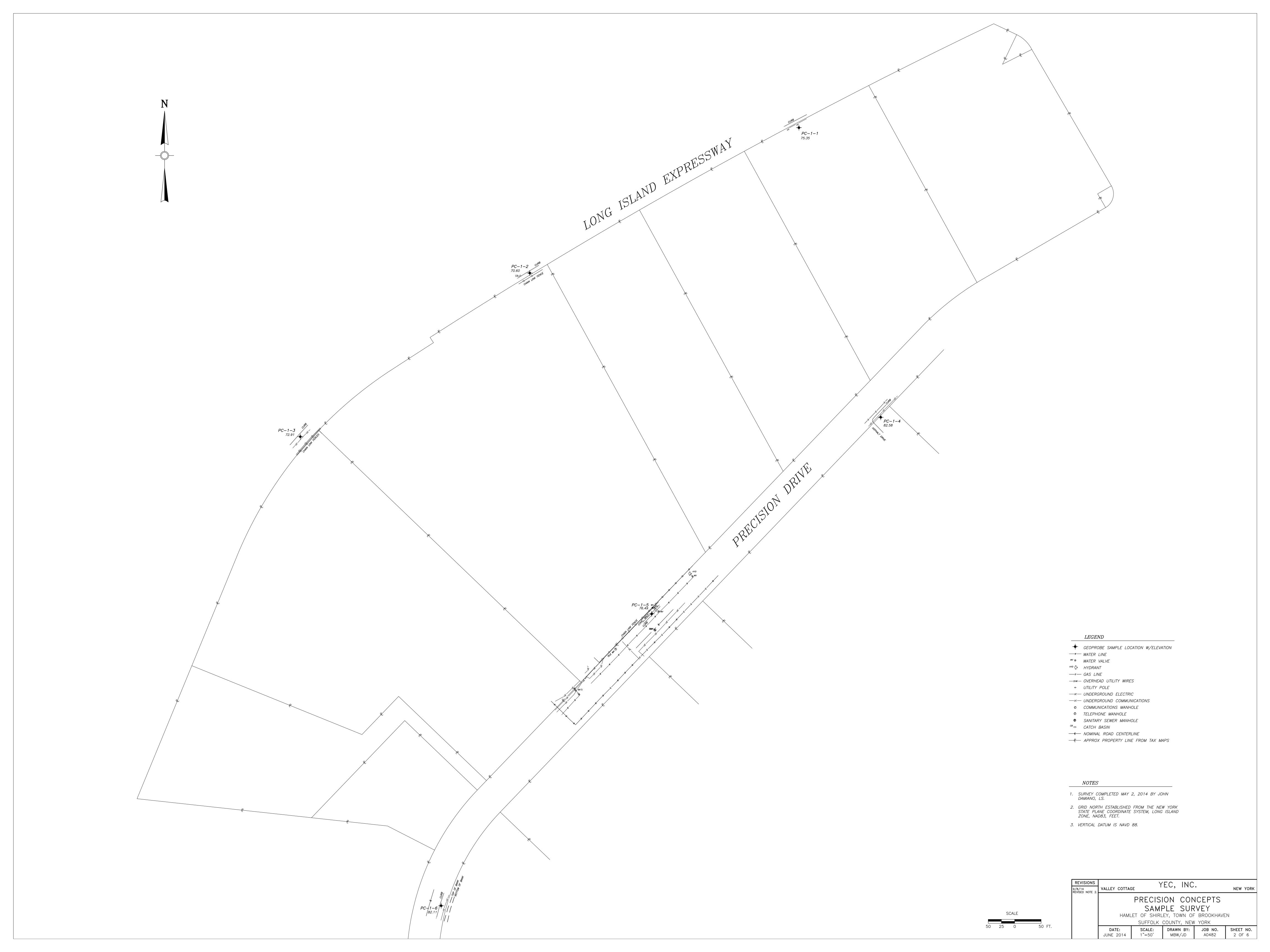
REVISIONS

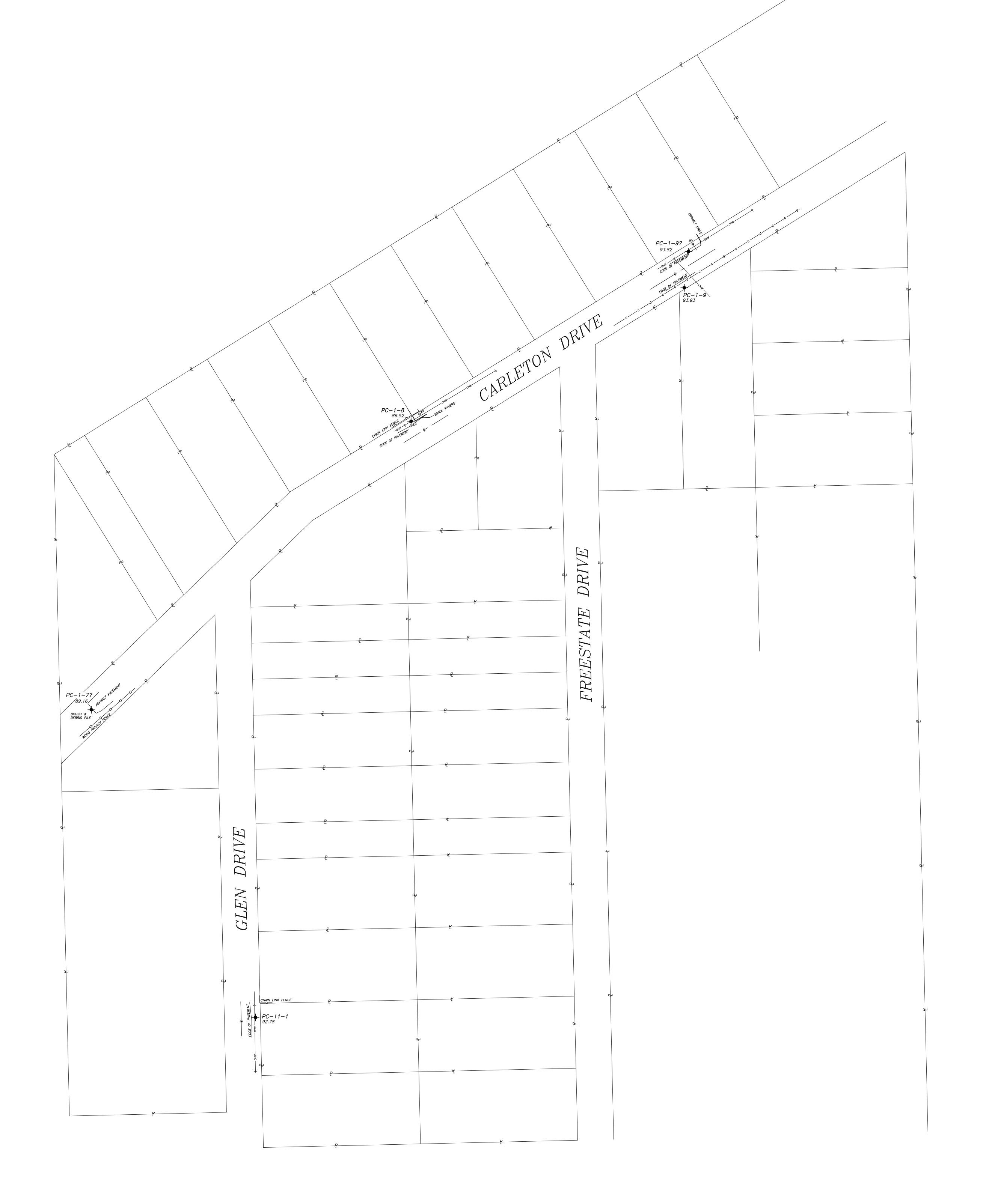
9/8/14
REVISED NOTE 2.

PRECISION CONCEPTS

SAMPLE SURVEY SHEET BREAKDOWN
HAMLET OF SHIRLEY, TOWN OF BROOKHAVEN
SUFFOLK COUNTY, NEW YORK

DATE: SCALE:
JUNE 2014 1"=250' MBW/JD A0482 1 OF 6





LEGEND

→ GEOPROBE SAMPLE LOCATION W/ELEVATION

——G— GAS LINE

— OHW— OVERHEAD UTILITY WIRES

→ UTILITY POLE

— UE— UNDERGROUND ELECTRIC

—uc— UNDERGROUND COMMUNICATIONS

© COMMUNICATIONS MANHOLE

₱ TELEPHONE MANHOLE SANITARY SEWER MANHOLE

^{CB}□ CATCH BASIN

── NOMINAL ROAD CENTERLINE — R APPROX PROPERTY LINE FROM TAX MAPS

NOTES

1. SURVEY COMPLETED MAY 2, 2014 BY JOHN DAMIANO, LS.

2. GRID NORTH ESTABLISHED FROM THE NEW YORK STATE PLANE COORDINATE SYSTEM, LONG ISLAND ZONE, NAD83, FEET.

3. VERTICAL DATUM IS NAVD 88.

PRECISION CONCEPTS

SAMPLE SURVEY

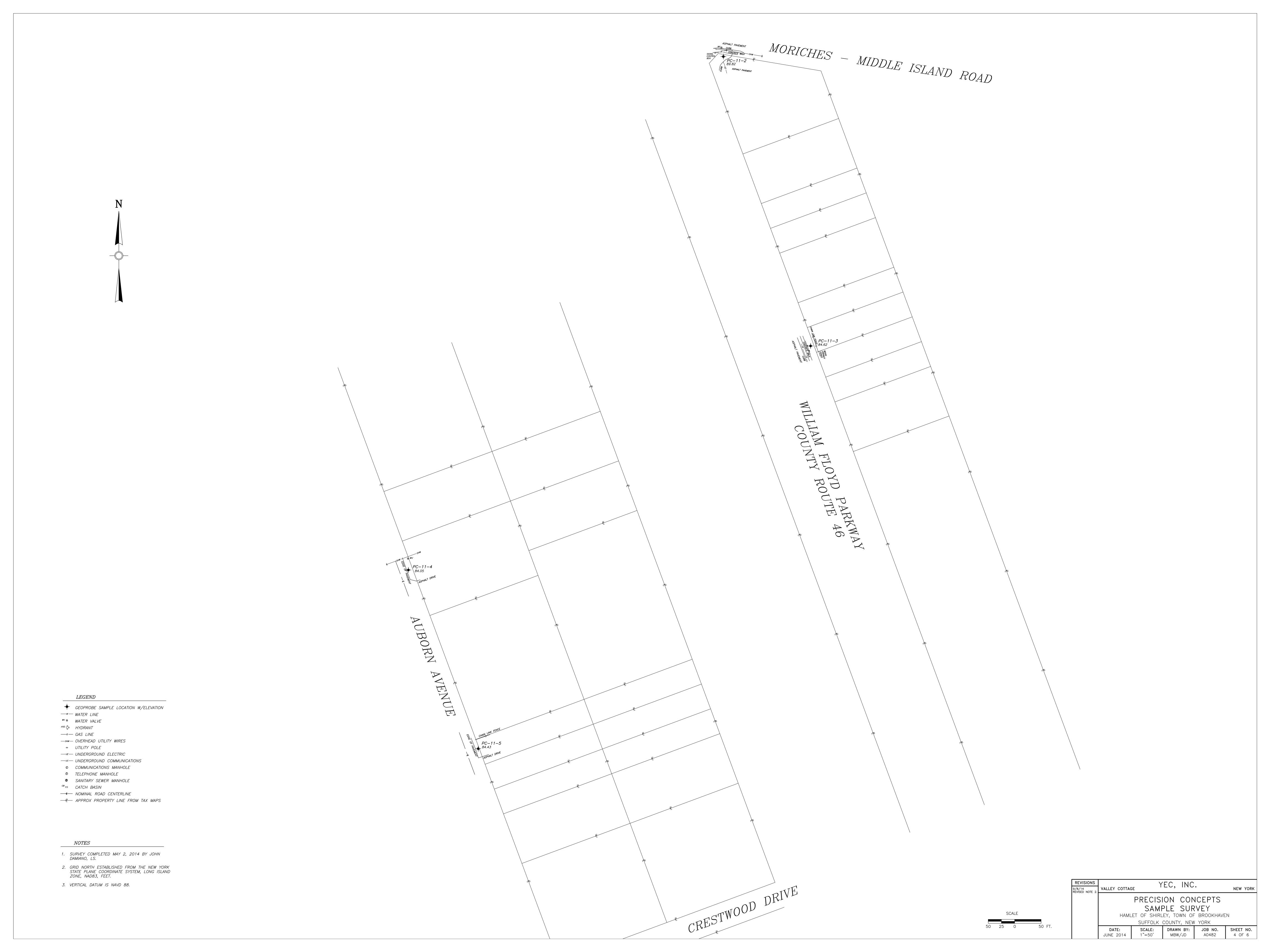
HAMLET OF SHIRLEY, TOWN OF BROOKHAVEN SUFFOLK COUNTY, NEW YORK
 DATE:
 SCALE:
 DRAWN BY:
 JOB NO.
 SHEET NO.

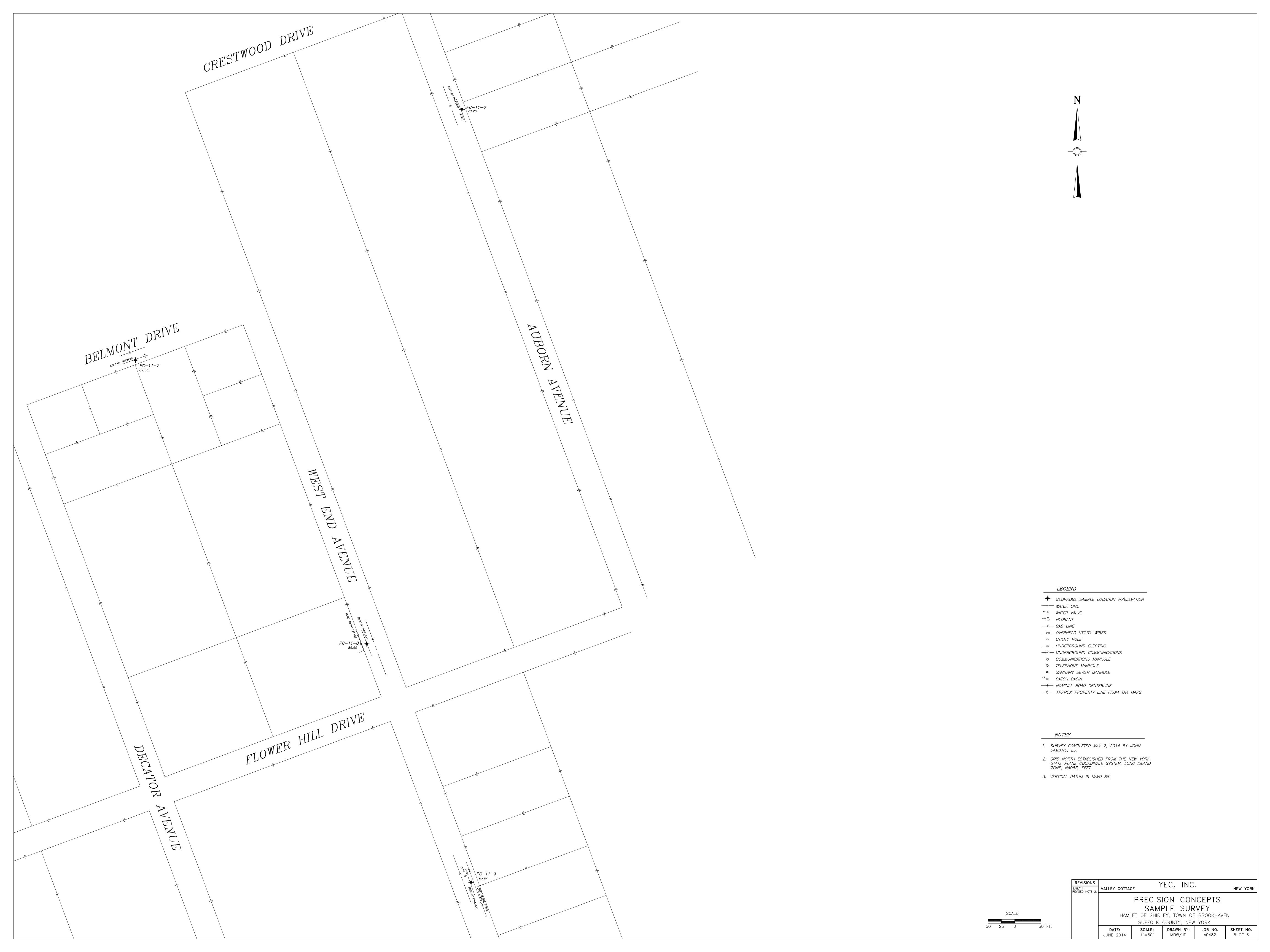
 JUNE 2014
 1"=50'
 MBW/JD
 A0482
 3 OF 6

VALLEY COTTAGE

YEC, INC.

NEW YORK





N

LEGEND

→ GEOPROBE SAMPLE LOCATION W/ELEVATION

— W— WATER LINE
W ⊗ WATER VALVE

^{HYD} ∯ HYDRANT

— G— GAS LINE — онw— OVERHEAD UTILITY WIRES

→ UTILITY POLE

— ue— UNDERGROUND ELECTRIC — uc— UNDERGROUND COMMUNICATIONS

© COMMUNICATIONS MANHOLE

© TELEPHONE MANHOLE

© SANITARY SEWER MANHOLE

CATCH BASIN

→ CATCH BASIN

→ NOMINAL ROAD CENTERLINE

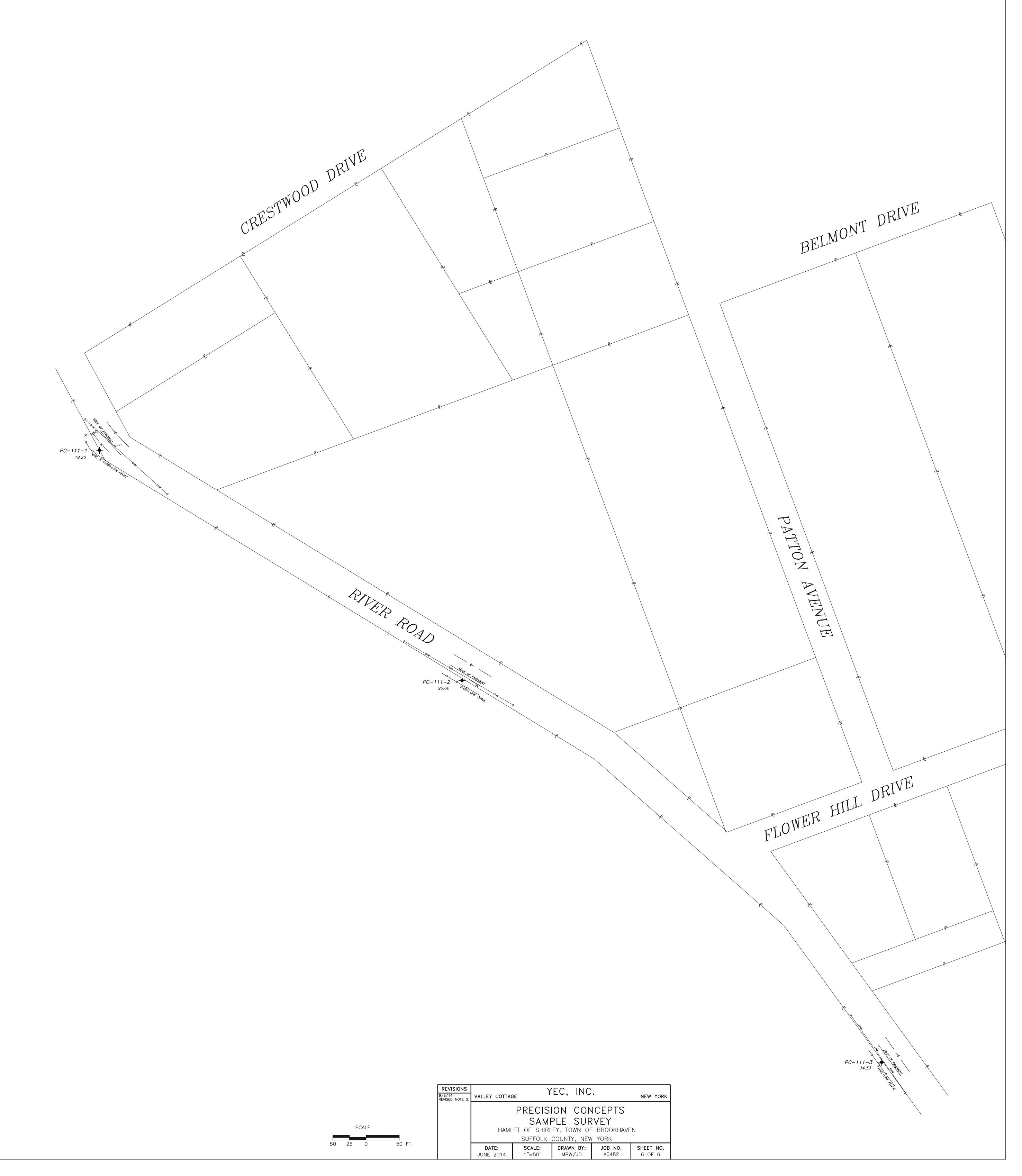
→ APPROX PROPERTY LINE FROM TAX MAPS

NOTES

1. SURVEY COMPLETED MAY 2, 2014 BY JOHN DAMIANO, LS.

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APPENDIX E BILL OF LADING

Non Hazardous Manifest/Bill Of Lading

	Court a, PA 18067 75-6900	Docume	Job/Project #						
THIS SECTION T	O BE COMPLETED BY GENE	RATOR:							
COMPANY NAME	E/ADDRESS		IN CASE OF EMERGENCY	Y OR SPILL CONTA	ACT				
			R	apid Response	se Inc.				
NYSDEC-F 625 Broadv Albany, NY		Site: 26 Natcon Drive Brookhaven, NY. 11738	24 HOUR EMERGENCY P		,				
QUANTITY	SIZE/TYPE	DESCRIPTION	ON	APPROVAL CODE	WEIGHT/VOLUME				
xx7	55 DM	IDW Waters, DOT/RCF	RA Non-Regulated	1406-02743 -LWT	3,000 ibs.				
classified, described proper condition for regulations of the DITHIS SECTION TO COMPANY NAMED	ro be completed by Haul E ntal Waste Minimization I	and are in applicable PRINT NAME Marc E. F. ER / TRANSPORTER: ADDRESS	iln Ct Northampton PA	ent for NYSQ	DATE 7/7/14 EC PHONE NO. (484) 275-6900 COMMENTS				
were accepted for site for delivery to	at the above described waste(s) transportation at the producer's the waste facility. Both as listed	DRIVER'S SIGNATURE PRINT DRIVER'S NAME			DATE				
hereupon.	TO DE COMPLETES SUITE	<u></u>							
		VER AT DISPOSAL FACILITY:	(ONCE SIGNED, A COPY MU	ST BE FORWARDE					
COMMENTS COMMENTS	nmental Recovery Corp.	ADDRESS 4076 Okt Mant	neim Pike, Lancaster, Pr	A. 17601	PHONE NO. 717 393 2627				
I Hereby certify that	the above described wastes were	AUTHORIZED SIGNATURE		-	DATE				
	cility, that the Facility is authorized	PRINT NAME			-				

APPENDIX F LABORATORY ANALYTICAL DATA REPORTS (on CD)

APPENDIX G DATA USABILITY SUMMARY REPORTS (DUSR, on CD)