CNS MANAGEMENT CORP.
A REAL ESTATE SERVICES COMPANY

Quarterly Groundwater Monitoring Report

For

2nd QUARTER – April 2014

NYSDEC Spill # 13-10667

Site:

Vacant Tenant Space @ Nostrand Place
3806 Nostrand Avenue
Brooklyn, New York 11235
CNS Job #: D196

Prepared for:

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
1 Hunter's Point Plaza
47-40 21st Street
Long Island City, NY 11101
Attention: Mr. Santosh Mahat

On Behalf of:

Acadia Realty Trust, LLC
1311 Mamaroneck Avenue, Suite 260
White Plains, NY 10605
Attention: Jonathon Asta

Prepared by:

CNS Management Corporation
208 Newtown Road
Plainview, NY 11803

April 25, 2014

Table of Contents

1.0 INTRODUCTION

CNS Management Corp. (CNS) was retained by Acadia Realty Trust, LLC to conduct quarterly groundwater sampling for the property located at 3806 Nostrand Avenue in Brooklyn, New York; referred to hereafter as the "subject site".

The subject site is a vacant tenant space within Nostrand Place located at 3780-3860 Nostrand Avenue property, improved with six structures constructed in stages between 1959 through 1982, and spans the entire west side of the city-block from Avenue Y south to Avenue Z. The Nostrand Place is currently occupied by commercial tenants, including a bank, restaurants, retail stores, medical offices and a parking garage. See Figure I: Site Location Map.

2.0 BACKGROUND

On April 12, 2013 CNS conducted a Phase II Site Investigation at the subject site based upon findings which identified a historic drycleaner formerly located within the 3804 Nostrand Avenue tenant space (currently occupied by Chase Bank). Prior to the investigation, a site visit was completed on February 27, 2013 where it was determined that access to the Chase Bank space would not be permitted due to the sensitivity of the operation; therefore CNS determined that the investigation would take place immediately downgradient of the Chase Bank space within the neighboring tenant space located at 3806 Nostrand Avenue. The investigation involved the collection of soil samples and a groundwater sample from one (1) soil boring to investigate soil and groundwater quality at the subject site. Additionally, CNS collected one soil-gas sample, one indoor air sample and one ambient air sample to investigate soil vapor and indoor air quality at the subject site.

Analytical results identified one (1) low-level VOC constituent in soil sample SB01-S1A; however this detection did not exceed its applicable remediation standard. Groundwater analytical results identified Tetrachloroethene contamination that exceeded its respective NYSDEC TOGS 1.1.1 GA Values within the collected groundwater sample; which is consistent with a release from a dry cleaning operation. Ambient air and indoor air analytical results did not identify any VOC contaminants exceeding the NYSDOH Air Guideline Values or USEPA Generic Screening Levels for Indoor Air; however Tetrachloroethene was identified within the collected indoor air sample that exceeded the NYSDOH 75th percentile level. Analytical results associated with the sub-slab soil gas sample identified the VOC constituents 1,2,4-Trimethylbenzene, Tetrachloroethene and Trichloroethene exceeding their respective USEPA Generic Screening Levels for Shallow Soil Gas.

On August 21, 2013, CNS installed three permanent monitoring wells (NW1 through NW3) and collected a total of eight soil samples. Soil analytical results identified dry cleaning related compounds above the laboratory's minimum detection limit but below their respective NYSDEC Commercial SCO's.

On November 21, 2013, CNS collected three baseline groundwater samples from the three (3) monitoring wells, located in the front sidewalk grade (NW1), rear sidewalk grade (NW2) and basement grade (NW3) of the subject site. Groundwater analytical results identified dry-cleaning related compounds (PCE, DCE and TCE) within monitoring well samples NW2-GW2A (Sidewalk grade to the west) and NW3-GW3A (Basement) exceeding their respective NYSDEC TOGS 1.1.1 GA values. Based upon the findings, CNS contacted the NYSDEC and was issued Spill #13-10667.

3.0 FIELD ACTIVITIES

On Friday, April 11, 2014, CNS collected groundwater samples from three (3) existing monitoring wells NW-1 through NW-3 (See Figure II: Monitoring Well Locations). Prior to collecting the groundwater samples, CNS measured the depth to groundwater from the top of the well casings utilizing an electronic Keck Water Level Meter. Previous sampling events occurred on November 21, 2013. In needs to be noted that 1st Quarter sampling did not occur due to inclement winter weather.

Prior to sampling, the wells were purged of 3 to 5 well volumes utilizing a low flow submersible pump with disposable tubing. In addition, after the final well purge within each monitoring well, measurements for temperature, conductivity, pH, dissolved oxygen and oxygen-reduction potential (ORP) were collected, utilizing a YSI 556 Multi Probe System within non-chemically analyzed clean sample jars. See Table I for Groundwater Measurements.

The collected groundwater samples were collected in accordance with USEPA "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" (SW-846) and analyzed for VOCs in accordance with NYSDEC Protocols under EPA analytical Methods 8260. The groundwater samples were placed in laboratory supplied glassware, packed in an ice-filled cooler accompanied by chain-of-custody documentation and picked up onsite by York Analytical Laboratories, Inc. and transported to their facility located at 120 Research Drive, Stratford, CT 06615. See Appendix A for Laboratory Analytical Data Sheets.

The collected groundwater samples were compared against the NYSDEC's Technical & Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Groundwater Effluent Limitations (NYSDEC Groundwater Standards). A summary of the analytical results in the table overleaf.

4.0 GROUNDWATER MEASUREMENT PARAMETERS

As indicated in Table I below, temperature levels ranged between 52.43°F through 56.87°F with an average temperature of 54.19°F. pH levels ranged between 12.13 through 12.75. Dissolved Oxygen levels ranged between 0.005 through 0.012 mg/l. Qualitative ORP levels ranged from 7.22 through 7.76.

Table I: Groundwater Measurements

Monitoring Well #	NW-1	NW-2	NW-3
Sampling Event	Q2	Q2	Q2
Date	4/11/2014	4/11/2014	4/11/2014
Depth to Groundwater	11'7"	11'9"	3'
Time Collected	12:01	12:23	12:28
Temperature (F°)	53.26	56.87	52.43
Conductivity (m^s/cm)	0.016	0.009	0.012
Dissolved Oxygen (mg/L)	0.012	0.005	0.009
pH	12.13	12.35	12.75
ORP	7.47	7.22	7.76

5.0 GROUNDWATER ANALYTICAL RESULT INTERPRETATION

The subject site's baseline groundwater sampling event occurred on November 21, 2013. Current analytical results compared to the NYSDEC TOGS 1.1.1 GA values are summarized herein within Table II on the following pages. Analytical results associated with this sampling event are as follows:

NW1-GW1A: Tetrachloroethylene (PCE) was identified at 4.6 ppb and Trichloroethylene (TCE) was identified at 0.24 ppb, which are below their respective NYSDEC TOGS 1.1.1 GA values of 5 ppb.

Compared to the baseline analytical result, PCE showed an increase from 3.6 ppb.

NW2-GW2A: cis-1,2,-Dichloroethene was identified at a concentration of 380 ppb, PCE was identified at a concentration of 660 ppb, TCE was identified at a concentration of 110 ppb, and trans-1,2,-Dichloroethene at was identified at a concentration of 7.2 ppb; all of which exceeded their respective NYSDEC TOGS 1.1.1 GA values of 5.0 ppb.

Compared to the baseline analytical result, cis-1, 2-Dichloroethene showed an increase from 230 ppb, PCE showed a decrease from 670 ppb, TCE showed a decrease from 130 ppb and trans-1,2-Dichloroethene showed an increase from 2.6.

NW3-GW3A: cis-1,2,-Dichloroethene was identified at 7.1 ppb, PCE was identified at 72 ppb and TCE was identified at 11 ppb, all of which exceed their respective NYSDEC TOGS 1.1.1 GA Values 5.0 ppb.

Compared to the baseline analytical result, cis-1, 2-Dichloroethene and TCE are now present and PCE showed an increase from 5.7 ppb.

Note: all samples contained Acetone which is a known laboratory artifact and is not representative of site conditions.

Table II: Groundwater Results Summary

Analyte	Contaminant	Monitoring Well # NW-1		Monitoring Well # NW-2		Monitoring Well # NW-3		NYSDEC GW Standards
		Baseline: 11/21/13 (15' bgs)	Q2: 4/11/14 (11'7" bgs)	Baseline: 11/21/13 (15' bgs)	Q2: 4/11/14 (11'9" bgs)	Baseline: 11/21/13 (3'1" bgs)	Q2: 4/11/14 (3' bgs)	
VOC	cis-1,2,-Dichloroethene	ND	ND	**230**	**380**	ND	**7.1**	5
	Methyl-tert-butyl ether (MTBE)	ND	ND	2.8	ND	2	1.8	10
	Tetrachloroethene	3.6	4.6	**670**	**660**	**5.7**	**72**	5
	Trichloroethene	ND	0.24	**130**	**110**	ND	**11**	5
	4-Isopropyltoluene	ND	ND	ND	ND	ND	ND	5
	trans-1,2,-Dichloroethene	ND	ND	2.6	**7.2**	ND	ND	5
	Acetone	ND	2.3	ND	13	ND	13	50

Notes:
All results and guidance values are presented in parts per billion (ppb)
ND = Not Detected above laboratory's Minimum Detection Limit or Method of analysis and instrumentation
NYSDEC GW Standards = NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards & Guidance Values
Concentrations exceeding the NYSDEC GW Standards are highlighted in bold **RED**

6.0 CONCLUSIONS

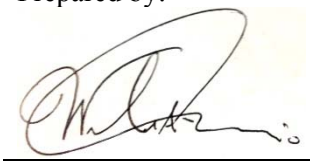
Dry cleaning related compounds remain present at the subject site from the initial baseline sampling event. Contaminant increases were identified within monitoring well NW-3 located within the basement and slight decreases occurred within monitoring well NW-2 located in the rear western portion of the subject site. NW-1 located in the front eastern portion remains below NYSDEC groundwater standards.

Due to exceedances of the NYSDEC Groundwater Standards in monitoring wells NW-2 and NW-3, CNS will continue to monitor the groundwater contaminant levels at the subject site. The next groundwater sampling event is scheduled for July of 2014.

7.0 SIGNATURES

If you have any questions or require additional information regarding this project please call me at (516) 932-3228.

Prepared by:



Wala Canario
Environmental Scientist

Reviewed and Approved by:

Charles Powers
President

8.0 PROJECT LIMITATIONS

This report is written for the use of Acadia Realty Trust LLC and its partners. No other party shall have any right to rely on this report or any service provided by CNS Management Corp. without prior written consent by Acadia Realty Trust LLC and CNS Management Corp.

The subsurface investigation was performed in accordance with professional standards applicable to the industry today. The results of this assessment and the contents of this report are subject to revision based on future events and/or investigations. CNS Management Corporation assumes no responsibility for the property owner's actions related to the following:

- Violation of any federal, state or local statute or ordinance relating to identification or disposal of a hazardous substance or its constituents;

- Undertaking of, or arrangement for the handling, removal, treatment, storage, transportation, or disposal of hazardous substances or constituents found or identified, and;

- Changed conditions or hazardous substances or constituents introduced at the properties by Client or third persons to this contract during or after the completion of services provided by this report.

Therefore, the findings, conclusions and recommendations presented herein are based solely on the aforementioned scope of work and information gathering. Incomplete or outstanding information identified throughout this report is considered a limitation to the assessment.

All findings, conclusions and recommendations stated in this report are based upon facts, circumstances and industry-accepted procedures for such services, as they existed at the time this report was prepared. All findings, conclusions and recommendations stated in this reports are based on the data and information provided and observations and conditions that existed on the date and timework was performed. Responses received from local, state, or federal agencies or other out-sourced or other secondary sources of information after the issuance of this report may change certain facts, findings, conclusions or circumstances to the report. A change in fact, circumstance or industry-accepted procedure upon which this report was based may adversely affect the findings, conclusions and recommendations expressed in this report and is considered a limitation.

Figure I

Site Location Map

Subject Site

[NYCityMap]

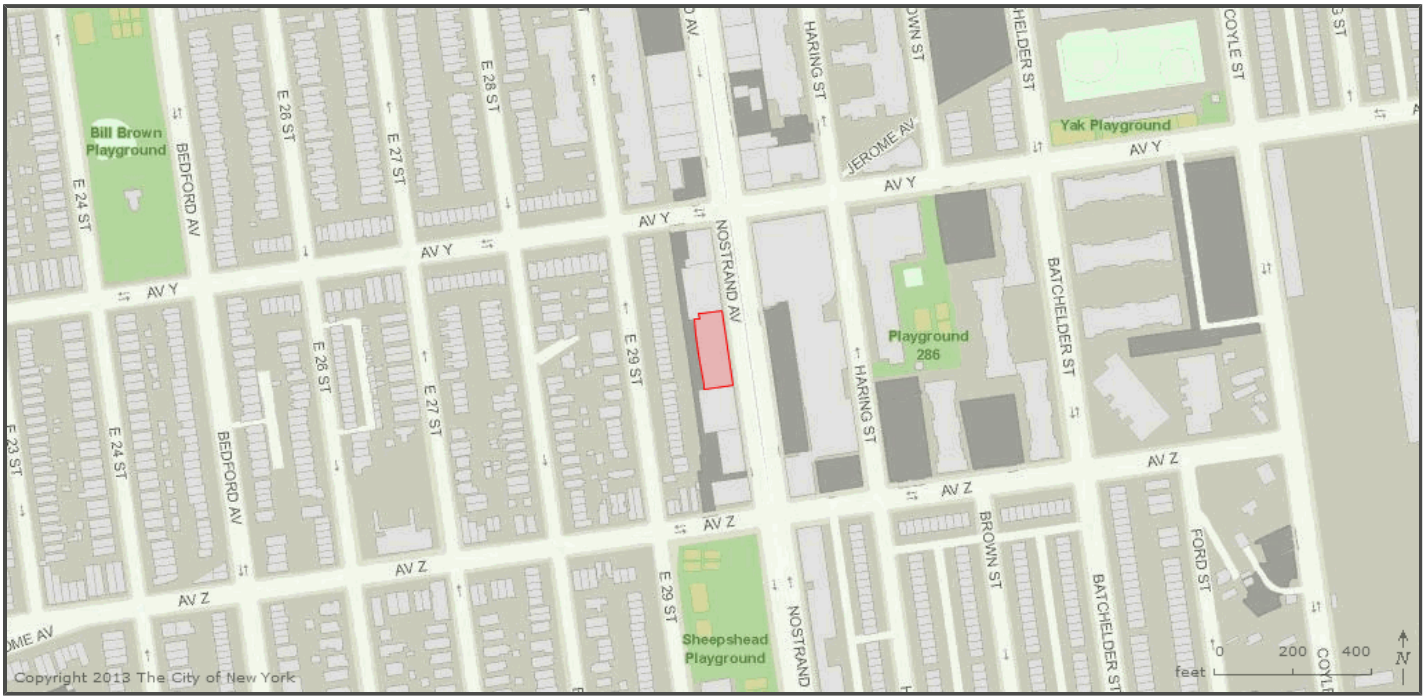
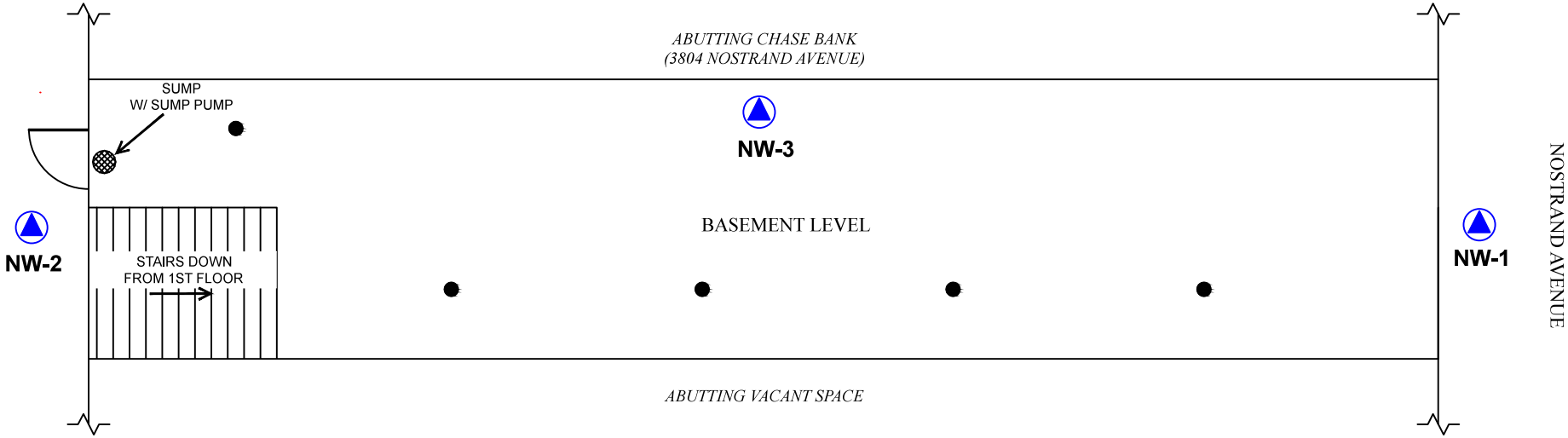


Figure II

Monitoring Well Locations



LEGEND:

- = COLUMNS
- = MONITORING WELL LOCATION

CNS MANAGEMENT CORP.
208 NEWTOWN ROAD
PLAINVIEW, NY 11803

FIGURE II

MONITORING WELL LOCATIONS

SCALE:	1" = 10'

PREPARED FOR:	ACADIA REALTY TRUST LLC 1311 MAMARONECK AVE, WHITE PLAINS, NY 10605				
SUBJECT SITE:	"FORMER" PICKERS PHOTO STUDIO AT NOSTRAND PLACE 3806 NOSTRAND AVENUE BROOKLYN, NEW YORK				
DATE:	NOVEMBER 22, 2013		**CNS JOB #:**	D196	
DWN BY:	JL	**CKD BY:**	JVH	**APPRVD BY:**	CP

Appendix A

Laboratory Analytical Report w/ Chain-of-Custody

Technical Report

prepared for:

CNS Management Corp.
208 Newtown Road
Plainview NY, 11803
Attention: Charles Powers

Report Date: 04/16/2014
Client Project ID: D196
York Project (SDG) No.: 14D0517

Report Date: 04/16/2014
Client Project ID: D196
York Project (SDG) No.: 14D0517

CNS Management Corp.
208 Newtown Road
Plainview NY, 11803
Attention: Charles Powers

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on April 11, 2014 and listed below. The project was identified as your project: **D196**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
14D0517-01	GW01-GW1A	Water	04/11/2014	04/11/2014
14D0517-02	GW02-GW2A	Water	04/11/2014	04/11/2014
14D0517-03	GW03-GW3A	Water	04/11/2014	04/11/2014

General Notes for York Project (SDG) No.: 14D0517

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: 

Date: 04/16/2014

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GW01-GW1A **York Sample ID:** 14D0517-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:01 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
67-64-1	**Acetone**	**2.3**	B	ug/L	1.0	2.0	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK

Sample Information

Client Sample ID: GW01-GW1A **York Sample ID:** 14D0517-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:01 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
127-18-4	**Tetrachloroethylene**	**4.6**		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
79-01-6	**Trichloroethylene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	04/15/2014 16:09	04/16/2014 05:02	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*85.3 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*101 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*88.9 %*	*88-114*

Sample Information

Client Sample ID: GW02-GW2A **York Sample ID:** 14D0517-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:23 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **GW02-GW2A** **York Sample ID:** **14D0517-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:23 pm	04/11/2014

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
78-93-3	2-Butanone	ND		ug/L	2.5	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
67-64-1	**Acetone**	**13**	B	ug/L	5.0	10	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
156-59-2	**cis-1,2-Dichloroethylene**	**380**		ug/L	5.0	12	25	EPA 8260C	04/15/2014 16:09	04/16/2014 06:28	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK

Sample Information

Client Sample ID: GW02-GW2A **York Sample ID:** 14D0517-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:23 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
127-18-4	**Tetrachloroethylene**	**660**		ug/L	5.0	12	25	EPA 8260C	04/15/2014 16:09	04/16/2014 06:28	BK
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
156-60-5	**trans-1,2-Dichloroethylene**	**7.2**		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
79-01-6	**Trichloroethylene**	**110**		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 05:45	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*85.3 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*99.3 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*90.9 %*	*88-114*

Sample Information

Client Sample ID: GW03-GW3A **York Sample ID:** 14D0517-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:28 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK

Sample Information

Client Sample ID: GW03-GW3A

York Sample ID: 14D0517-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:28 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-34-3	1,1-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
106-93-4	1,2-Dibromoethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
107-06-2	1,2-Dichloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
78-87-5	1,2-Dichloropropane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
78-93-3	2-Butanone	ND		ug/L	2.5	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
591-78-6	2-Hexanone	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
67-64-1	**Acetone**	**13**	B	ug/L	5.0	10	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
107-02-8	Acrolein	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
107-13-1	Acrylonitrile	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
71-43-2	Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-27-4	Bromodichloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-25-2	Bromoform	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
74-83-9	Bromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-15-0	Carbon disulfide	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
56-23-5	Carbon tetrachloride	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
108-90-7	Chlorobenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-00-3	Chloroethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
67-66-3	Chloroform	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
74-87-3	Chloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
156-59-2	**cis-1,2-Dichloroethylene**	**7.1**		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
124-48-1	Dibromochloromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
74-95-3	Dibromomethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK

Sample Information

Client Sample ID: GW03-GW3A **York Sample ID:** 14D0517-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
14D0517	D196	Water	April 11, 2014 12:28 pm	04/11/2014

Volatile Organics, NJDEP/TCL/Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
87-68-3	Hexachlorobutadiene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
98-82-8	Isopropylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
79-20-9	Methyl acetate	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**1.8**	J	ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-09-2	Methylene chloride	ND		ug/L	5.0	10	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
104-51-8	n-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
103-65-1	n-Propylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
95-47-6	o-Xylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
179601-23-1	p- & m- Xylenes	ND		ug/L	2.5	5.0	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
99-87-6	p-Isopropyltoluene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
135-98-8	sec-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
100-42-5	Styrene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.5	5.0	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
98-06-6	tert-Butylbenzene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
127-18-4	**Tetrachloroethylene**	**72**		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
108-88-3	Toluene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
79-01-6	**Trichloroethylene**	**11**		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-69-4	Trichlorofluoromethane	ND		ug/L	1.0	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
75-01-4	Vinyl Chloride	ND		ug/L	2.5	2.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK
1330-20-7	Xylenes, Total	ND		ug/L	3.0	7.5	5	EPA 8260C	04/15/2014 16:09	04/16/2014 07:16	BK

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: 1,2-Dichloroethane-d4*	*89.5 %*	*81-123*
460-00-4	*Surrogate: p-Bromofluorobenzene*	*96.1 %*	*70-128*
2037-26-5	*Surrogate: Toluene-d8*	*98.0 %*	*88-114*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14D0517-01	GW01-GW1A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D0517-02	GW02-GW2A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14D0517-03	GW03-GW3A	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

---

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

14D0517

CNS MANAGEMENT CORP.

SUB-SURFACE CHAIN OF CUSTODY

PAGE ____ of ____

CNS Job #:	Client:	Laboratory Analysis	Lab Project #:
D196	Acadia Realty		
	Site: 3806 Nostrand Ave.		

Samplers: (Signature)

Report Format: (must circle one) Wet Weight / Dry Weight

Sampling Method: Peristaltic. Electric Pump.

Sample ID #	Date	Time	Composite	Grab	Water	Soil	Air	Filtered	Acidified	Iced		Number of Containers	Lab ID Number	VOCs(8260)								Sample Location / Remarks
GW01-GW1A	4/11/14	12:01pm			X				X	X		3		X								Front of bldg.
GW02-GW2A	↓	12:23pm			X				X	X		3		X								Back of bldg
GW03-GW3A	↓	12:28pm			X				X	X		3		X								Basement.

Sent by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	Results to:	Telephone:
	4/11/14		4/11/14 15:20	C. Powers	(516) 932-3228
Sent by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Turnaround Time:	Fax:
		3.8°C	4/11/14 - 1910	Standard	(516) 932-3288

Email: jlicata@cnsmanagement.net

208 NEWTOWN ROAD, PLAINVIEW, NY 11803
Telephone: (516) 932-3228 • Fax: (516) 932-3288