Quarterly Monitoring Report
First Quarter 2013

New Housing New York Legacy Project (Via Verde)
700-730 Brook Avenue, Bronx, NY
BCP Site ID: C203043

May 2013

Prepared for:

NYSDEC, Region 2
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 1101

On Behalf of

Via Verde Homes, LLC
Via Verde Rental Associates, L.P.
902 Broadway, 13th Floor
New York, New York 10010

Prepared by:

CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803-1614

May 22, 2013

NYSDEC, Region 2
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 1101

Attn: Mandy Yau

Re: **Quarterly Monitoring Report**
1st Quarter 2013 Groundwater Sampling
Via Verde
700-730 Brook Avenue, Bronx, NY
BCP Site ID: C203043

Dear Ms. Yau:

CA RICH Consultants, Inc. is pleased to present the Quarterly Monitoring Report for the Fourth Quarter 2012 in connection with the above-captioned Site. This Report is being submitted on behalf of Via Verde Homes, LLC and Via Verde Rental Associates, L.P. (the BCP Volunteer) and was prepared in accordance with the NYSDEC-approved Site Management Plan (SMP) dated December, 2011.

If there are any questions regarding this document, please do not hesitate to call our office.

Sincerely,

Richard J. Izzo, CPG
Senior Associate

cc: Chris Doroski, NYSDOH (email only)
Jennifer Wu (email only)
Michael Wadman (email only)

TABLE OF CONTENTS

1.0 INTRODUCTION

The following Quarterly Monitoring Report has been prepared by CA RICH Consultants, Inc. (CA RICH) on behalf of Via Verde Homes, LLC and Via Verde Rental Associates, L.P. This document is required as an element of the Site Management Plan (SMP) (Ref. 1) at The New Housing New York Legacy Project (hereinafter referred to as Via Verde or the Site), 700-730 Brook Avenue, Bronx, NY (BCP Site ID: C203043. The Site is being managed under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The Site was remediated in accordance with Brownfield Cleanup Agreement (BCA) Index #W2-1129-08-11, Site #C203043, which was executed on February 23, 2009. The Certificate of Completion was received on December 23, 2011.

2.0 SITE DESCRIPTION AND BACKGROUND

Via Verde Homes, LLC, Via Verde Rental Associates, L.P., and the City of New York Department of Housing Preservation and Development ("HPD") entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in February 2009 to investigate and remediate a 1.41-acre property located in the Bronx, New York. The property was remediated to restricted residential, use, and will be used for mixed commercial and residential purposes. It is noted that the Deed was transferred on December 30, 2009 and HPD no longer has any ownership interest.

The Site is located in the County of the Bronx, New York and is identified as Section 9, Block 2359; Lot 51, which includes Condominium Lots 1001, 1002, 1003, and 1004, and was formerly part of Lots 1 and 3 on the Bronx County Tax Map. The Site is an approximately 1.41-acre area bounded by East 156th Street to the north, an athletic field to the south, New York City Housing Authority Bronxchester Houses and South Bronx High School to the east, and Brook Avenue to the west (see Figure 1). The boundaries of the Site are more fully described in the metes and bounds Site description that is part of the Environmental Easement. A copy of the Environmental Easement is included in the Final Engineering Report (Ref. 2).

Under the BCP, the Site was remediated to Track 4 Site Specific Soil Action Levels ("SSSALs") established for the Site as listed in the FER. Low levels of polyaromatic hydrocarbons and metals remain in the soil in limited areas throughout the Site. Based upon the detection and distribution of groundwater contaminants, in-situ chemical oxidation was performed in the area of the former service station (northwest corner of the Site). On April 1st through 9th, 2010 Regenox™ and ORC® Advanced (ISCO treatment) was injected into the shallow groundwater and soil/fill in the smear zone.

The results from post-remedial groundwater monitoring indicate that fuel related volatile organic compounds (VOCs) and some metals remain within the groundwater above NYSDEC Technical and Administrative Guidance (TOGS) standards (Ref. 3).

As remaining contaminated soil and groundwater exist beneath the Site, implementation of Institutional Controls (ICs) and Engineering Controls (ECs) were required at the Site to be managed through implementation of the Site management Plan (SMP). Exposure to soil vapor (potential off-gassing from residual Volatile Organic Compounds (VOCs) in the groundwater) is being prevented by the composite cover system, which is comprised of concrete-covered sidewalks, courtyard areas, foundation walls, concrete building slabs as well as a 2-foot clean fill buffer on all non-capped areas. A vapor barrier and active Sub-Slab Depressurization (SSD) system were installed underneath each of the five building foundations as additional protection.

3.0 MEDIA MONITORING PROGRAM

3.1 Groundwater

Four post-remedial groundwater monitoring wells designated MW-6, MW-7, MW-8, & MW-9 were installed, developed and surveyed at the Site in July 2011 and will serve as the groundwater monitoring wells for the post-remedial groundwater monitoring The locations of the four wells and direction of groundwater flow are illustrated on Figure 2.

CA RICH conducted the First Quarter round of groundwater sampling on March 11th and 13th, 2013. The four monitoring wells were purged and sampled in accordance with EPA's Low-Flow (minimal drawdown) Groundwater Sampling Procedures. Copies of the requisite field forms and Chain-of-Custody are attached as Appendix A. Quality Assurance/Quality Control (QA/QC) samples were also collected and analyzed in connection with the testing as set forth in

the SMP and included one trip blank, one field blank per day of field work, one duplicate, one matrix spike, and one matrix spike duplicate. In addition, the data was validated by a qualified third-party and a DUSR was prepared (Appendix B).

Groundwater samples were collected from the wells, submitted to ELAP and CLP-certified Accutest Laboratories in Dayton, NJ and analyzed for Volatile Organic Compounds (VOCs) via EPA Method 8260, Semi-Volatile Organic Compounds (SVOCs) via EPA Method 8270, PCBs and dissolved TAL metals (plus hexavalent chromium) with NYSDEC ASP Category B deliverables. All post-remedial groundwater sampling results have been provided to NYSDEC in the appropriate Electronic Data Deliverable format.

All on-site sampling equipment was decontaminated between each use in the following manner: laboratory grade detergent and fresh water wash using a scrub brush, followed by two fresh water rinses and final air dry. The submersible pump used for groundwater sample collection was decontaminated between sample collection by passing the detergent and water mixture through the pump, followed by two fresh water rinses. Gloves worn for sample handling were discarded between sample collections. Dedicated, new polyethylene tubing was used at each well location for purging and sampling. The 40-mil sample vials were filled completely and checked to ensure that no air bubbles were present.

3.1.1 Summary of Results

The results of the sampling program are presented on Tables 1-4. In addition to the tabular presentation, a graph plotting the concentration of key constituents versus time is included as Figure 3.

As illustrated on Table 1, fuel-related VOCs in excess of NYSDEC TOGS continue to be detected in on-site well MW-8. The most elevated fuel-related compound concentration is 34.8 ug/L of ethylbenzene. Chloroform, was detected in well MW-6 at a concentration in excess of TOGS standards during this most recent sampling event. No VOCs were detected in MW-7 or MW-9 in excess of TOGS Standards.

As shown on Figure 3, comparison of concentrations for naphthalene, n-propylbenzene, 1,2,4-trimethylbenzene, and total xylenes in MW-8 between the 4th quarter 2011 sampling event and

the 1st quarter 2013 sampling event indicates a continued general reduction in concentration for these selected compounds.

Semi-volatile organic analysis (Table 2) did not detect any targeted compounds at concentrations in excess of TOGS standards.

Analysis for PCBs (Table 3) did not detect any of these compounds in any of the samples. These compounds were also not detected in any of the previous sampling rounds.

Analysis for metals (Table 4) detected iron, magnesium, manganese, sodium and chromium (trivalent) at levels in excess of TOGS Standards.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon our review of the analytical results from the 1st quarter 2013 sampling event and comparison of the results to those generated during the previous events, it appears that the detected levels of fuel-related VOCs generally continue to decline below initial concentrations. The levels of targeted metals continue to fluctuate above and below TOGS Standards. PCBs remain undetected in all wells and SVOCs remain below TOGS standards.

Based upon the results of the first year of post remedial monitoring, CA RICH submitted a formal petition to modify the sampling program on April 2, 2013. The petition was approved by the Department via their letter dated may 9, 2013 and includes reduction of sampling frequency from quarterly to semi-annually and reduction of the parameter list to include only VOCs and dissolved TAL metals. The modifications to the sampling program will be put in place during the December 2013 sampling event.

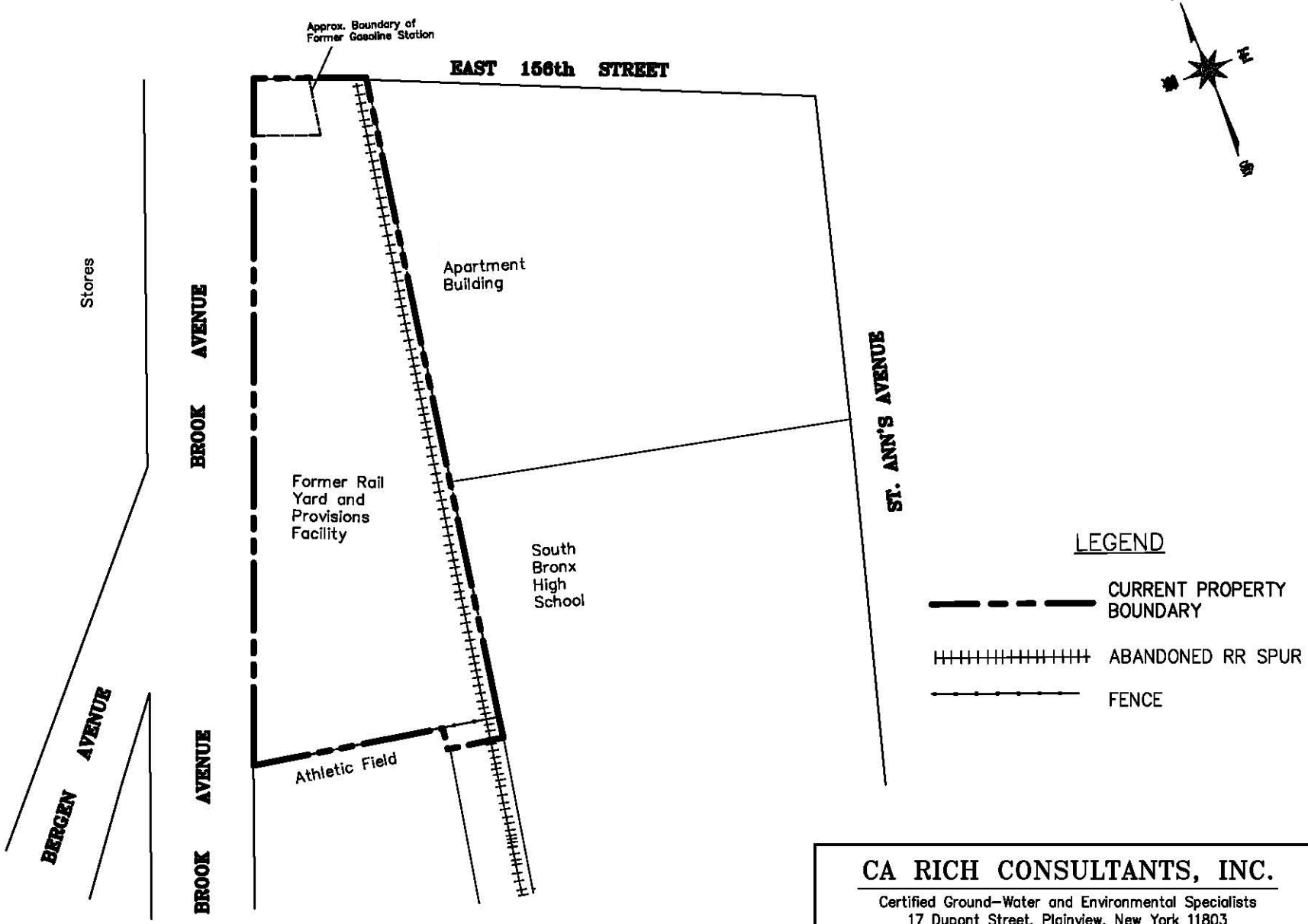
REFERENCES

1. Stephen J. Osmundsen, P.E. Site Management Plan. New York: Author, December 7, 2011.

2. Stephen J. Osmundsen, P.E. Final Engineering Report. New York: Author, December 21, 2011.

3. New York State Department of Environmental Conservation; Division of Water Technical and Operation Guidance Series (1.1.1): Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998.

FIGURES



NOTES:

1. MAP ADAPTED FROM DDC TOPOGRAPHICAL AND PROPERTY LINE MAP 8-17-06 AND MONTROSE SURVEY DATED 10-8-07

CA RICH CONSULTANTS, INC.
Certified Ground-Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

SITE PLAN

DATE: 12-24-09
SCALE: AS SHOWN
FIGURE: 1
DRAWING NO: 2009-8
TITLE: VIA VERDE NEW HOUSING NEW YORK LEGACY 700-730 BROOK AVENUE BRONX, NEW YORK
DRAWN BY: J.T.C.
APPR. BY: D.S.

SOUTH BRONX H.S.

NYCHA #9

N

7.0

6.0

5.0

4.0

3.0

UPPER COURT

TOWNHOMES

LOWER COURT

MW-9
2.11

MW-7
2.22

MW-6
6.92

MW-8
3.35

TOWER

MIDRISE

MIDRISE

TOWNHOMES

MAIN ENTRANCE

SECONDARY ENTRANCE

BROOK AVE

BERGEN AVE

NEW RETAIL LOADING

LEGEND

MW-9
2.63

Post Remedial Groundwater Monitoring Well with Water Table Elevation in Feet Above Mean Sea Level

3.0

Water Table Elevation Contour in Feet (8/25/11) Dashed Where Inferred

General Direction of Groundwater Flow

0 50 100

Scale in Feet

CA RICH CONSULTANTS, INC.

Certified Ground–Water and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

Post Remedial Groundwater Monitoring Well Locations & Elevation of the Water Table on 11/30/11

DATE: 12/2/11

SCALE: AS SHOWN

FIGURE: 2

DRAWING NO: 2009-35A

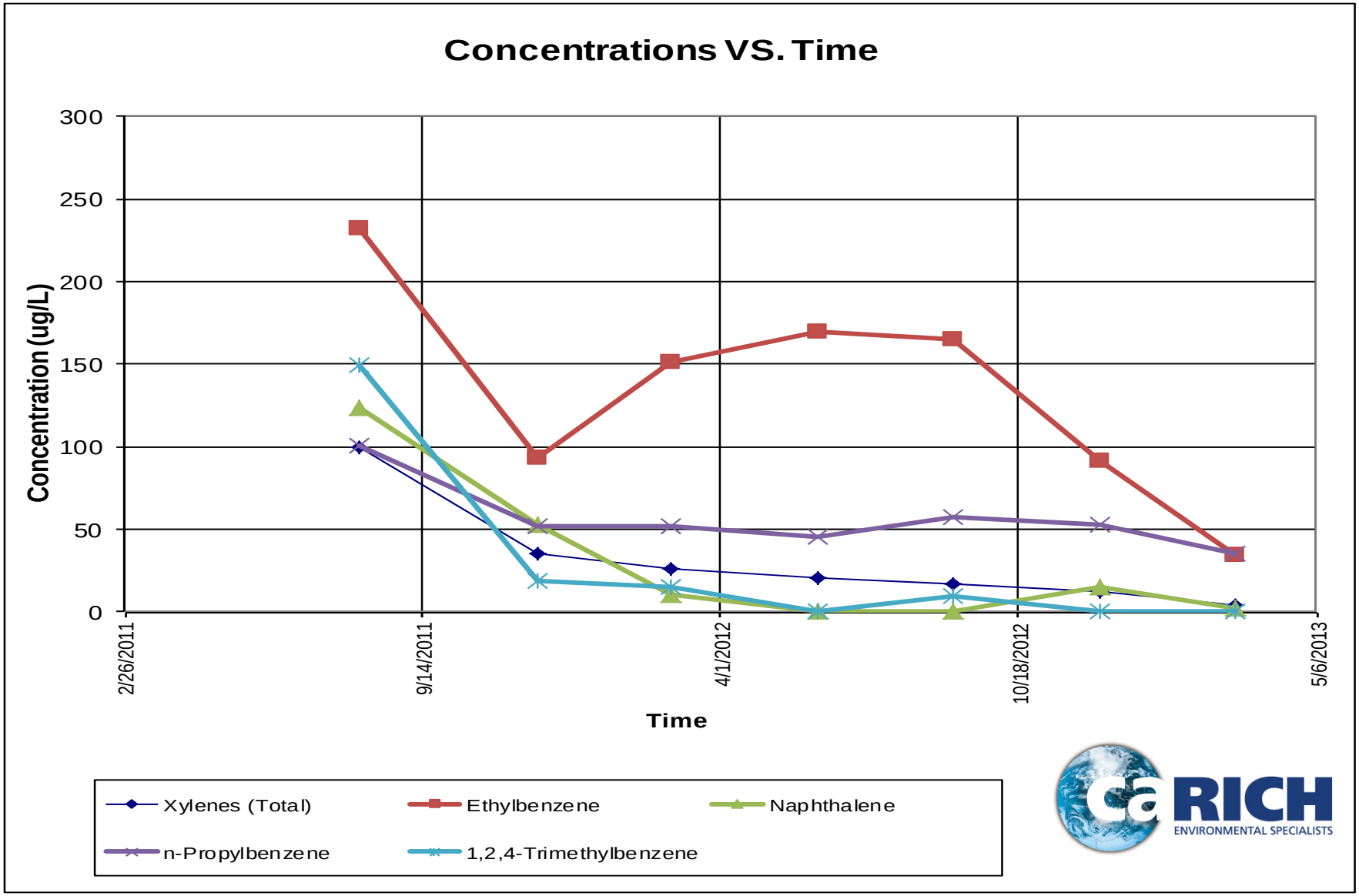
Via Verde
New Housing New York Legacy
700–730 Brook Avenue
Bronx, New York

DRAWN BY: J.T.C.

APPR. BY: R.J.I.

FIGURE 3

Concentrations Trends of Selected Compounds in Groundwater Monitoring Well MW-8
Via Verde
700-730 Brook Avenue, Bronx, NY



TABLES

Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	Trip Blank	Trip Blank	NYSDEC TOGs*
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	liquid	liquid	
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	3/11/2013	3/13/2013	
Volatile Organic Compounds									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	R	R	10.5J	R	9.6 J	R	R	R	50
Benzene	ND	ND	**7.1**	ND	**7.0**	ND	ND	ND	1
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND	R	R	R	R	R	R	R	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	ND	ND	3.7 J	ND	3.5 J	ND	ND	ND	5
tert-Butylbenzene	ND	ND	0.92 J	ND	0.95 J	ND	ND	ND	5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	**12.3**	ND	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
Ethylbenzene	ND	ND	**33.8**	ND	**33.2**	ND	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	**22.2**	ND	**21.8**	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	0.28 J	ND	0.30 J	ND	ND	ND	5
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	10
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	2.3 J	ND	2.4 J	ND	ND	ND	10
n-Propylbenzene	ND	ND	**34.8**	ND	**34.5**	ND	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
Toluene	ND	ND	2.7	ND	2.8	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	ND	0.24 J	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trimethylbenzene	ND	ND	1.1 J	ND	1.1 J	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	0.47 J	ND	0.43 J	ND	ND	ND	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	2
m,p-Xylene	ND	ND	3.1	ND	3.0	ND	ND	ND	5
o-Xylene	ND	ND	0.67 J	ND	0.59 J	ND	ND	ND	5
Xylene (total)	0.27 J	ND	3.7	ND	3.6	ND	ND	ND	5

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

R- The presence or absence of this analyte cannot be verified

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

*** MW-XX is a duplicate of MW-8*

Boxed and bold indicates exceedance groundwater standards or guidance values

Table 2

Validated Analytical Results for Semi-Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	NYSDEC
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	TOGS
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	
Semi-Volatile Organic Compounds							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2-Chlorophenol	ND	ND	ND	ND	ND	ND	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	5
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	50
2,4-Dinitrophenol	R	UJ	R	UJ	R	R	10
4,6-Dinitro-2-methylphenol	UJ	ND	UJ	ND	UJ	UJ	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	1
3+4-Methylphenols	ND	ND	ND	ND	ND	ND	1
2-Nitrophenol	ND	ND	ND	ND	ND	ND	NVG
4-Nitrophenol	ND	ND	ND	ND	ND	ND	NVG
Pentachlorophenol	UJ	ND	UJ	ND	UJ	UJ	NVG
Phenol	ND	ND	ND	ND	ND	ND	1
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	NVG
Acenaphthene	ND	ND	UJ	ND	0.51 J	ND	20
Acenaphthylene	ND	ND	ND	ND	ND	ND	NVG
Acetophenone	ND	ND	ND	ND	ND	ND	NVG
Anthracene	ND	ND	ND	ND	ND	ND	50
Atrazine	ND	ND	ND	ND	ND	ND	7.5
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	0.002
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	NVG
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	0.002
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	NVG
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	50
1,1' -Biphenyl	ND	ND	ND	ND	ND	ND	5
Benzaldehyde	ND	ND	ND	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	10
4-Chloroaniline	ND	ND	ND	ND	ND	ND	5
Carbazole	ND	ND	ND	ND	ND	ND	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	NVG
Chrysene	ND	ND	ND	ND	ND	ND	0.002
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	5
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	1
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	NVG
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	5
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	5
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	NVG
Dibenzofuran	ND	ND	ND	ND	ND	ND	NVG
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	50
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	50
Diethylphthalate	ND	ND	ND	ND	ND	ND	50
Dimethylphthalate	ND	ND	ND	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	5
Fluoranthene	ND	ND	ND	ND	ND	ND	50
Fluorene	ND	ND	ND	ND	ND	ND	50
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	0.5
Hexachlorocyclopentadiene	UJ	ND	UJ	ND	UJ	UJ	5
Hexachloroethane	ND	ND	ND	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	0.002
Isophorone	ND	ND	ND	ND	ND	ND	50
2-Methylnaphthalene	ND	ND	UJ	ND	0.53 J	ND	NGV
2-Nitroaniline	ND	ND	ND	ND	ND	ND	5
3-Nitroaniline	ND	ND	ND	ND	ND	ND	5
4-Nitroaniline	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	2.4	ND	2.6	ND	10
Nitrobenzene	ND	ND	ND	ND	ND	ND	0.4
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	50
Phenanthrene	ND	ND	ND	ND	ND	ND	50
Pyrene	ND	ND	ND	ND	ND	ND	50

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

UJ - recorded quantitation limit is approximate

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

** MW-XX is a duplicate of MW-8

R- the presence or absence of this analyte cannot be verified

Boxed and bold indicates exceedance of groundwater standards or guidance values

Table 3

Validated Analytical Results for PCBs In Groundwater

Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-XX****	**Field Blank**	**NYSDEC TOGS*****
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	
PCBs							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1221	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1232	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1242	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1248	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1254	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1260	ND	ND	ND	ND	ND	ND	0.09 *

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
** Applies to the sum of these compounds*
*** MW-XX is a duplicate of MW-8*

****NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

Table 4
Validated Analytical Results for Metals In Groundwater
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	NYSDEC TOGS*
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	
Total Metals Unfiltered							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	2,230	<200	4,010	491	3,560	<200	NVG
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Arsenic	<3.0	<3.0	8.2	4.1	8.0	<3.0	25
Barium	<200	<200	<200	<200	<200	<200	1,000
Berylium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Cadmium	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
Calcium	49,000	129,000	136,000	110,000	139,000	<5,000	NVG
Chromium	37.7	<10	**2,910**	**300**	**2,260**	<10	50
Cobalt	<50	<50	<50	<50	<50	<50	NVG
Copper	<10	<10	73.9	13.4	57.7	<10	200
Iron	**2,810**	228	**22,500**	**2,150**	**20,200**	<100	300
Lead	<3.0	<3.0	3.3	<3.0	3.1	<3.0	25
Magnesium	6,660	25,600	**36,000**	7,940	**36,600**	<5,000	35,000
Manganese	76.2	43.1	**3,180**	**691**	**3,160**	<15	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.7
Nickel	22.0	<10	**1,390**	**146**	**1,090**	<10	100
Potassium	<10,000	<10,000	<10,000	10,400	<10,000	<10,000	NVG
Selenium	<10	<10	<10	<10	<10	<10	10
Silver	<10	<10	<10	<10	<10	<10	50
Sodium	**27,600**	**60,300**	**85,400**	**78,300**	**85,800**	<10,000	20,000
Thallium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.5
Vanadium	<50	<50	<50	<50	<50	<50	NVG
Zinc	22.3	<20	<20UJ	<20	23.3	<20	2,000
Chromium, Hexavalent	<10	<10	<10	<10	<10	<10	50
Chromium, Trivalent	38	<20	**2,900**	**300**	**2,300**	<20	50
Total Metals Filtered							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	344	<200	<200	434	<200	NA	NVG
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	NA	3
Arsenic	<3.0	<3.0	<3.0	<3.0	3.1	NA	25
Barium	<200	<200	<200	<200	<200	NA	1,000
Berylium	<1.0	<1.0	<1.0	<1.0	<1.0	NA	3
Cadmium	<3.0	<3.0	<3.0	<3.0	<3.0	NA	5
Calcium	46,700	130,000	140,000	113,000	140,000	NA	NVG
Chromium	<10	<10	19.9	**380**	19.1	NA	50
Cobalt	<50	<50	<50	<50	<50	NA	NVG
Copper	<10	<10	<10	13.2	<10	NA	200
Iron	419	123	**325**	**2,290**	293	NA	300
Lead	<3.0	<3.0	<3.0	<3.0	<3.0	NA	25
Magnesium	5,760	25,700	**35,400**	7,990	**35,400**	NA	35,000
Manganese	20.3	41.3	**3,070**	**708**	**3,050**	NA	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	NA	0.7
Nickel	14.7	<10	70.8	**187**	68.9	NA	100
Potassium	<10,000	<10,000	<10,000	10,500	<10,000	NA	NVG
Selenium	<10	<10	<10	<10	<10	NA	10
Silver	<10	<10	<10	<10	<10	NA	50
Sodium	**26,700**	**60,300**	**90,600**	**80,800**	**89,600**	NA	20,000
Thallium	<1.0	<1.0	<1.0	<1.0	<1.0	NA	0.5
Vanadium	<50	<50	<50	<50	<50	NA	NVG
Zinc	<20	<20	<20	<20	<20	NA	2,000
Chromium, Hexavalent	<10	<10	<10	<10	<10	NA	50
Chromium, Trivalent	<20	<20	19.9	**380**	19.1	NA	50

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
a - Hexavalent Chromium is <10ppb
b - Analysis done out of holding time

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*
** MW-XX is a duplicate of MW-8
c - Calculated as: (Chromium) - (Chromium, Hexavalent)
R- the presence or absence of the analyte cannot be verified

Boxed and bold indicates exceedance of groundwater standards or guidance values

APPENDICES

Appendix A

Field Forms and Chain of Custody

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

MW-6

Location: (Site/Facility Name) Vin Verde
Date: 3/13/13
Sampling Personnel: MATTB
Weather: Clear windy ≈ 40°F
Identify Measuring Point (MP): TOC
Well ID: MW-6
Static Depth to Water (Prior to installing pump) 22.20

Depth to: (Below MP) Top / 31.35 Bottom of screen
Pump Intake at (ft. below MP) 27
Well Diameter: 2"
Purging Device: (Pump type) Alle GRUNDFOS
Purge Start Time: 1045 Purge End Time:
Sample Start Time: 1220 Sample End Time: 130

Clock Time (24 HR)	Water Depth Below MP (FT)	Pump Dial[1]	Purge Rate (ml/min)	Cum. Volume Purged (Liters)	Temp. (°C)	Spec. Conduct.[2] (uS/cm)	pH	ORP/Eh[3] (mv)	DO (mg/L)	Turbidity (NTU)	Comments
Tolerance	0.33 ft				3%	3%	± 0.1	± 10	± 0.3	10%	
1105	24.22	110.5	175	1gal	10.10	0.464	7.17	206	9.53	74.0	
1110	24.31	110.5	175		10.44	0.464	7.15	213	9.23	70.6	
1115	DRY	— Shut Pump — Recharge									
1145	24.62	112.3	100		8.68	0.471	7.21	220	9.58	77.9	
1150	24.63	112.3	100		8.61	0.492	7.20	219	9.62	83.4	
1155	24.66	112.3	100	2gal	8.73	0.497	7.21	217	9.65	69.0	
1200	DRY -	Shut Pump - Recharge + SAmple									

1. Pump dial setting (Example: hertz, cycles/minute, etc)
2. uSiemens per cm (same as umhos/cm) at 25°C
3. Oxidation reduction potential (stand in for Eh)

START Sample @ 1220
END 1:30

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

MW-8
MW-XX

Location: (Site/Facility Name) Via Verde
Date: 3/13/13
Sampling Personnel: MY + TB
Weather: Clear
Identify Measuring Point (MP): TOC
Well ID: MW-8
Static Depth to Water (Prior to installing pump) 22.60

Depth to: (Below MP) Top / 29.48 Bottom of screen
Pump Intake at (ft. below MP) 28.00
Well Diameter: 2"
Purging Device: (Pump type) Monsoon-55
Purge Start Time: 940 Purge End Time:
Sample Start Time: 955 Sample End Time: 1110

Clock Time 24 HR	Water Depth Below MP FT	Pump Dial[1]	Purge Rate ml/min	Cum. Volume Purged Liters	Temp. °C	Spec. Conduct.[2] uS/cm	pH	ORP/Eh[3] mv	DO mg/L	Turbidity NTU	Comments
Tolerance	0.33 ft				3%	3%	± 0.1	± 10	± 0.3	10%	
0925	24.41	11.7	100	1gal	10.31	1.59	6.66	-168	3.02	457	
0930	24.6	11.7	100		10.55	1.58	6.72	-206	2.70	333	
0935	24.66	11.7	100		10.61	1.59	6.76	-218	2.62	247	
0940	24.76	11.7	100		10.45	1.58	6.80	-220	2.53	244	
0945	24.78	11.7	100		10.25	1.57	6.84	-228	2.46	263	
0950	24.82	11.7	100	2gal	10.26	1.55	6.87	-238	2.39	241	

1. Pump dial setting (Example: hertz, cycles/minute, etc)
2. uSiemens per cm (same as umhos/cm) at 25°C
3. Oxidation reduction potential (stand in for Eh)

Start sample @ 0955
End: 1110

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

MW-7

Location: (Site/Facility Name) Via Verde
Date: 3/11/2013
Sampling Personnel: JTC/MTY
Weather: Cloudy 48°F
Identify Measuring Point (MP): Top of Casing
Well ID: MW-7
Static Depth to Water (Prior to installing pump) 21.69

Depth to: (Below MP) Top / Bottom 31.22 of screen
Pump Intake at (ft. below MP) 28
Well Diameter: 2"
Purging Device: (Pump type) Grundfos
Purge Start Time: 1100 Purge End Time:
Sample Start Time: 1210 Sample End Time: 1240

Clock Time 24 HR	Water Depth Below MP FT	Pump Dial [1]	Purge Rate ml/min	Cum. Volume Purged Liters	Temp. °C	Spec. Conduct.[2] uS/cm	pH	ORP/Eh[3] mv	DO mg/L	Turbidity NTU	Comments
Tolerance	0.33 ft				3%	3%	±0.1	±10	±0.3	10%	
1100	21.96	109	250								
1125	21.96	108	300	1 gal	20.00	1.11	6.72	156	2.57	103	
1130	21.96	108	300		20.47	1.11	6.73	146	2.24	41.9	
1135	21.96	108	300		20.05	1.11	6.79	137	2.10	19.7	
1140	21.96	108	300		20.55	1.11	6.81	131	1.99	14.7	
1145	21.96	108	300		20.47	1.11	6.81	127	1.91	10.7	
1150	21.96	108	300		20.7	1.11	6.81	124	1.85	8.1	
1155	21.96	108	300		20.51	1.11	6.80	123	1.82	7.7	
1200	21.96	108	300		20.37	1.11	6.80	121	1.79	6.2	
1205	21.96	108	300	5 gal	20.69	1.11	6.79	120	1.74	5.1	

1. Pump dial setting (Example: hertz, cycles/minute, etc)
2. uSiemens per cm (same as umhos/cm) at 25°C
3. Oxidation reduction potential (stand in for Eh)

MS & MSD done today
Start sampling 1210
End sampling 1240

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

MW-9

Location: (Site/Facility Name) Via Verde
Date: 3/11/2013
Sampling Personnel: MTY / JTC
Weather: Cloudy 45°F
Identify Measuring Point (MP): Top of Casing
Well ID: MW-9
Static Depth to Water (Prior to installing pump) 21.70

Depth to: ____ / 33.75 of screen
(Below MP) Top Bottom
Pump Intake at (ft. below MP) 30
Well Diameter: 2"
Purging Device: (Pump type) mini-monsoon
Purge Start Time: 0910 Purge End Time: 1035
Sample Start Time: 1015 Sample End Time: 1130

Clock Time 24 HR	Water Depth Below MP FT	Pump Dial [1]	Purge Rate ml/min	Cum. Volume Purged Liters	Temp. °C	Spec. Conduct.[2] uS/cm	pH	ORP/Eh[3] mv	DO mg/L	Turbidity NTU	Comments
Tolerance	0.33 ft				3%	3%	± 0.1	± 10	± 0.3	10%	
0940	24.43	12.8	150		18.56	1.19	7.86	29	3.56	41.9	
0950	24.48				16.91	1.17	7.96	69	3.85	33.3	
1000	24.41	12.5	100		15.52	1.13	7.97	115	4.36	56.8	
1005	24.41	12.5	100		15.45	1.13	7.90	128	4.92	25.4	
1010	24.45	12.5	100		15.95	1.12	7.87	143	4.92	38.2	
1015	25.00	12.4	100		16.03	1.12	7.86	140	4.85	44.5	
1020	25.00	12.6	100		16.06	1.11	7.86	129	4.70	43.0	
1025	25.02	12.5	100		16.04	1.11	7.85	121	4.62	45.8	
1030	25.04	12.5	100	2.5	16.24	1.11	7.84	119	4.60	38.0	

1. Pump dial setting (Example: hertz, cycles/minute, etc)
2. uSiemens per cm (same as umhos/cm) at 25°C
3. Oxidation reduction potential (stand in for Eh)

Start sampling @ 10:35
Sample. End @ 11:35

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #:
Accutest Quote #:
Bottle Order Control #:
Accutest Job #: JB30991

Client / Reporting Information

Company Name: CA Rich Consultants
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Richard Izzo E-mail: RIzzo@carichinc.com
Phone #: 516-576-8844 Fax #: 516-576-0093
Sampler(s) Name(s): Jason Cooper, Michael Yager Phone #:

Project Information

Project Name: Via Verde
Street: Brook Ave
City: Bronx State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOC 8260	SVOC 8270	RCRs	TAL Metals Filtered (met chg)	TAL Metals Unfiltered (met chg)	Matrix Codes / LAB USE ONLY
-1F	MW-9		3/11/13	1135	JMY	GW	9	3		1		5				3	2	2	1	1	E30
	MW-7		3/11/13	1240	JMY	GW	9	3		1		5				3	2	2	1	1	A9
-2F	MW-7MS		3/11/13	1240	JMY	GW	9	3		1		5				3	2	2	1	1	C47
	MW-7MSD		3/11/13	1240	JMY	GW	9	3		1		5				3	2	2	1	1	434
-3	Trip Blank					TB	1	1								1					

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other _____

Emergency & Rush T/A data available VIA Labfax

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

* 24 hr Rex Chrom *

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3/11/2013 15:05	Chris Laul	2 Chris Laul	3/11/13 1705	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not Intact	Preservation where applicable: On Ice: Cooler Temp: 4.0°C, 4.0°C

2A

JB30991: Chain of Custody
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GW FB WTB

CHAIN OF CUSTODY

PAGE 1 OF 1

F

ACCUTEST LABORATORIES

2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JB31271

Client / Reporting Information

Company Name: CA Rich Consultants, Inc.
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Richard Pizzo E-mail: Rpizzo@carichinc.com
Phone #: 516 576 8844 Fax #: 516 576 0093
Sampler(s) Name(s): Mike Yager + Tom Brown Phone #:

Project Information

Project Name: Via Verde
Street: Brook Ave
City: Bronx State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	EnCore	VOC 8260	SVOC 8270	PCB's	TAL Metals Filtered (Hex Chrome)	TAL Metals unFiltered (Hex Chrome)	LAB USE ONLY
-1F	MW-6		3/13/13	13:30	MY/TB	GW	9	3		1		5				3	2	2	1	1	D35
-2F	MW-8		3/13/13	1110	MY/TB	GW	9	3		1		5				3	2	2	1	1	A9
-3F	MW-XX		3/13/13	—	MY/TB	GW	9	3		1		5				3	2	2	1	1	C19
																					472
-4F	Field Blank 3/13		3/13/13		MY/TB	FB	7	2				5				2	2	2		1	
-5	TRip Blank 3/13		3/13/13			TB	2	2								2	#	#			

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

24hr Hex Chrome
NYS TOGS Detection Limits
* Hex Chrome For Total + Dissolved +
Lab Filtered *

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 3/13/13 15:30	Received By: 1 Chris Faul	Relinquished By: 2 Chris Faul	Date Time: 3/13/13 1745	Received By: 2		
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4		
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable: X SC	On Ice: X	Cooler Temp. 2.6°C

IB

SIP

5.1 5

JB31271: Chain of Custody
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Appendix B

DUSR

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC/INORGANIC ANALYSES

TARGET COMPOUND LIST (TCL) VOLATILES BY GC/MS
TARGET COMPOUND LIST (TCL) SEMIVOLATILES BY GC/MS
PCBs BY GC ECD
TARGET ANALYTE LIST (TAL) METALS (Total and Dissolved) BY ICP/ICP-MS/CV
And Total and Dissolved HEXAVALENT CHROMIUM
BY CLASSICAL WET CHEMISTRY TECHNIQUES

For Groundwater Samples Collected
March 11, 2013 and March 13, 2013
From 700-730 Brook Avenue, Bronx, NY
Via Verde aka New Housing New York Legacy Project
Collected by CA Rich Consultants

SAMPLE DELIVERY GROUP NUMBERs:
JB30991 and JB31271
BY ACCUTEST LABORATORIES (ELAP #10983)

SUBMITTED TO:

Mr. Jason Cooper
CA Rich Consultants, Inc.
17 Dupont Street
Plainview, NY 11803

May 21, 2013

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Lori A. Beyer

(516) 523-7891; email LABValidation@aol.com

700-730 Brook Avenue, Bronx – Via Verde; Groundwater Samples; March 2013 (Q1) Sampling Event Data Usability Summary Report (Data Validation): TCL Volatiles, TCL Semivolatiles, PCBs, TAL Metals (Total and Dissolved) and Hexavalent Chromium (Total and Dissolved).

Table of Contents:

Introduction:
A validation was performed on groundwater samples and the associated quality control samples for organic/inorganic analysis for samples collected under chain of custody documentation by CA Rich Consultants and submitted to Accutest Laboratories for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. The groundwater samples were collected on March 11, 2013 and March 13, 2013.

The samples were analyzed by Accutest Laboratories, utilizing SW846 Methods and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the Target Compound/Analyte Lists for Volatile Organics, Semivolatile Organics, PCBs, TAL Metals (Total and Dissolved) and Hexavalent Chromium (Total and Dissolved).

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic and Inorganic Data Review (October 2006) and EPA Region II SOPs for 8260, 8270, 8082 and Metals (August 2008 with 2009 updates) and also in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix	Date Collected	Date Received
MW-9	JB30991-1, JB30991-1F	Groundwater	03/11/13	03/11/13
MW-7 (plus MS/MSD)	JB30991-2, JB30991-2D, JB30991-2F, JB30991-2FD, JB30991-2S	Groundwater	03/11/13	03/11/13
Trip Blank 03/11/13	JB30991-3	Aqueous	03/11/13	03/11/13
MW-6	JB31271-1, JB31271-1F	Groundwater	03/13/13	03/13/13
MW-8	JB31271-2, JB31271-2F	Groundwater	03/13/13	03/13/13
MW-XX (Field Duplicate of MW-8)	JB31271-3, JB31271-3F	Groundwater	03/13/13	03/13/13
Field Blank 3/13/13	JB31271-4	Aqueous	03/13/13	03/13/13
Trip Blank 3/13/13	JB31271-5	Aqueous	03/13/13	03/13/13

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

Sample Receipt:

The Chain of Custody document indicates that the samples were received at Accutest Laboratories via laboratory courier on 03/11/13 and 03/13/13 upon completion of the sampling event. Sample login notes were generated. The cooler temperature for all sample receipts were recorded upon receipt at Accutest Laboratories and determined to be acceptable (<6.0 degrees C). The actual temperature is recorded on the chain of custody document in addition to the case narratives provided in Appendix C of this report.

No unresolved problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report. All data validation qualifications have been reported in the excel spreadsheet.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Target Analyte List (TCL) Volatile Organics by GC/MS SW846 Method 8260

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Compound Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results were considered to be valid and useable with the exception of Acetone and 2-Butanone non-detects in samples MW-7, MW-9, Trip Blank 03/11/13, MW-8, MW-XX, Field Blank 3/13/13 and Trip Blank 3/13/13 as well as Acetone in MW-6 due to low initial/continuing calibration response factors as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to these SDGs were performed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis. Samples were properly preserved with HCL to pH <2. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for all four (4) surrogate compounds for all analyses pertaining to these SDGs for analysis.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

MS/MSD analyses were conducted for each analytical sequence and were spiked with all components as required by the analytical procedure. Site-specific aqueous MS/MSD was performed by the laboratory on sample MW-7. Acceptable spike recoveries and RPD were obtained for site specific MS/MSD analysis.

Several RPD fell slightly outside in house established acceptance limits for batch MS/MSD. Acceptable recovery values were obtained for all spiked analytes. Based on professional judgment, no qualifications to the data were required for non site specific QC.

1.4 Laboratory Control Sample/Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spikes were analyzed for each sequence. Recovery values were acceptable and no qualifications were applied.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but </=10x blank value	Sample Conc. is <CRQL and </=10x blank value	Sample Conc. is >CRQL and >10x blank value
Other Contaminants	Sample Conc. Is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. is >CRQL and >5x blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

No target analytes were detected in the method blanks associated with sample analysis.

B) **Field Blank Contamination:**

No target analytes were detected in the field blank associated with sample analysis.

C) **Trip Blank Contamination:**

No target analytes were detected in the trip blanks associated with sample analysis.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for these SDGs.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence.

The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05), for the initial and continuing calibrations for all reported TCL analytes with the following exceptions:

ICAL 02/18/13 GCMS3D – Non-detects for Acetone (0.040) and 2-Butanone (0.044) were rejected, "R" in MW-7, MW-9, and Trip Blank (03/11/13).

ICAL 2/18/13 GCMS1A – Non-detects for Acetone (0.043) were rejected, "R" in MW—6, Field Blank 3/13/13 and Trip Blank 3/13/13.

CCAL 03/18/13 GCMS3D – Acetone – 0.035 and 2-Butanone (0.044). Non-detects were previously rejected, "R" due to low ICAL response.

CCAL 3/21/13 am GCMS1A – Acetone (0.033) and 2-Butanone (0.047) were rejected in Field Blank 3/13/13 and Trip Blank 3/13/13. 2-Butanone was rejected in MW-8 and MW-XX. The laboratory reported detections for Acetone in MW-8 and MW-XX must be considered estimated, "J."

***Acetone and 2-Butanone are poor responders.**

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) for all compounds.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Chlorobenzene-d5, Fluorobenzene and 1,4-Dichlorobenzene-d4 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with these SDGs.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally an acceptable RPD is 10% for water samples.

Groundwater sample MW-8 was collected in duplicate, a summary of positive detections in ug/L is summarized below:

	MW-8	MW-XX
Acetone	**10.5**	**9.6**
Benzene	**7.1**	**7.0**
Sec-Butylbenzene	**3.7**	**3.5**
Tert-Butylbenzene	**0.92**	**0.95**
Ethylbenzene	**33.8**	**33.2**
Isopropylbenzene	**22.2**	**21.8**
p-Isopropyltoluene	**0.28**	**0.30**
Naphthalene	**2.3**	**2.4**
n-Propylbenzene	**34.8**	**34.5**
Toluene	**2.7**	**2.8**
1,2,4-Trimethylbenzene	**1.1**	**1.1**
1,3,5-Trimethylbenzene	**0.47**	**0.43**
M,p-Xylene	**3.1**	**3.0**
o-Xylene	**0.67**	**0.59**
Xylene (total)	**3.7**	**3.6**

Acceptable precision was observed for all detected analytes.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.10 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846 and response factors and dilution corrections were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

All groundwater samples were analyzed undiluted.

1.11 Overall System Performance

Good resolution and chromatographic performance were observed.

Tentatively Identified Compounds (TICs) were not generated and therefore not evaluated.

2.0 Target Compound List (TCL) Semivolatile Organics by GC/MS SW846 Method 8270

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The Total Semivolatile results were considered to be valid and usable with the exception of non-detects for 2,4-Dinitrophenol in samples MW-6, MW-8, MW-XX and Field Blank 3/13/13 due to non-recoverable MS/MSD recoveries as noted within the following text:

2.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

All aqueous samples were extracted and analyzed within the method required holding times and the technical holding times (7 days from collection for water samples) required for data validation.

2.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

All samples were spiked with six (6) surrogate standards at the sample extraction portion of analysis. Acceptable recovery values were obtained for all groundwater analyses.

The method blank applicable to MW-9 and MW-7 resulted in low 2-Fluorobiphenyl recovery (32%). The method allows one surrogate per fraction to be outside acceptance limits providing the recovery value is >10%. No laboratory action is required and no qualifications to the data were made.

2.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Aqueous MS/MSD analysis was performed on MW-7 and was spiked with all components as required by the analytical procedure. Acceptable recovery values were obtained. The RPD for 4-Chloroaniline was outside in house acceptance limits (40%). Based on professional judgment, no qualifications to the data were made.

Batch MS/MSD was submitted with SDG JB31271. 2,4-Dinitrophenol was not recoverable in the MS and MSD. Non-detects for this analyte in samples MW-6, MW-8, MW-XX and Field Blank 03/13/13 were rejected, "R."

2.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spikes were analyzed for each analytical extraction batch. Recovery values were acceptable and no qualifications were applied.

2.5 Method Blanks

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Phthalates (common laboratory contaminants)	Sample Conc. is >CRQL, but </=10x blank value	Sample Conc. Is <CRQL and </=10x blank value	Sample Conc. is >CRQL and >10x blank value
Other Contaminants	Sample Conc. is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. is >CRQL and >5x blank value

Below is a summary of the compounds in the sample and the associated qualification that have been applied:

A) **Method Blank Contamination:**

Target analytes were not detected in any of the method blanks associated with sample analysis.

B) **Field Blank Contamination:**

Target analytes were not detected in the field blank associated with sample analysis.

2.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for semivolatile organics is decafluorotriphenylphosphine (DFTPP).

Instrument performance was generated within acceptable limits and frequency (12 hours) for decafluorotriphenylphosphine (DFTPP) for all analyses.

2.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J." All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05), for the initial (average RRF) and continuing calibrations.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the

instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all compounds with the following exceptions:

ICAL GCMSF 03/22/13 – 2,4-Dinitrophenol – 40.5%. "UJ" non-detects in MW-7 and MW-9.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) for all compounds with the following exceptions:

Hexachlorocyclopentaidne; 49.25%, 2,4-Dinitrophenol; 34.6%, 4,6-Dinitro-2-Methylphenol; 32.9% and Pentachlorophenol; 36.5%. Non-detects for these compounds in MW-6, MW-8, MW-XX and Field Blank 03/13/13 must be considered estimated, "UJ."

2.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All area responses and retention times fell within established QC ranges.

2.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally for water samples an acceptable RPD is 10%.

Groundwater sample MW-8 was collected in duplicate. Acceptable precision was observed for detected analytes Naphthalene. Acenaphthene (0.51 ug/L) and 2-Methylnaphthalene (0.53 ug/L) were detected in the field duplicate but not in the original sample. The laboratory reported non-detects in MW-8 must be considered estimated, "UJ" for these compounds.

2.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

Mass spectra meet criteria for all detected analytes.

All samples were analyzed undiluted.

Tentatively Identified Compounds (TICs) were not provided by the laboratory and therefore not evaluated.

2.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards and response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the reporting limits (RL) and Method Detection Limits (MDLs). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

2.12 Overall System Performance

Acceptable system performance was maintained throughout the analysis.

3.0 PCBs by GC SW846 Method 8082

The following method criteria were reviewed: holding times, Surrogates, MS, MSD, LCS, Blanks, Analytical Sequences, Calibrations, Target Component Identification, Quantitation, Reported Quantitation Limits and overall system performance. The PCB results were considered to be valid and usable as noted within the following text:

3.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

All groundwater samples were extracted and analyzed within the method required holding times and the technical holding times required for data validation (7 days for water).

3.2 Surrogate Recovery

All samples are spiked with surrogate compounds prior to sample preparation/extraction to evaluate overall laboratory performance and efficiency of the analytical technique. Additionally, the sample itself may produce effects due to such factors as interferences and high concentrations of analytes. Since the effects of the sample matrix are frequently outside the control of the laboratory and may present relatively unique problems, the evaluation of the data is dependent upon reextraction and/or reanalysis to confirm/negate laboratory error or matrix related problems. Discussion of surrogate recoveries that fell outside (above/below) QC guidelines is itemized below:

Acceptable surrogate recovery values were obtained for all aqueous analysis.

3.3 Matrix Spikes (MS)/Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

The National Functional Guidelines indicate that MS/MSD data alone shall not be utilized to qualify sample data.

Aqueous PCB matrix spike analysis was conducted on MW-6 and MW-7. Acceptable recovery values and RPD were obtained. No qualifications to the data were required.

3.4 Laboratory Control Sample

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Blank Spikes were analyzed for each analytical extraction batch for PCBs. Recovery values were acceptable and no qualifications were applied for groundwater analyses.

3.5 Blanks

Quality assurance (QA) blanks; i.e. method, instrument, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Instrument blanks measure carryover for cross contamination. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Any Contaminant	Sample Conc. is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. is >CRQL and >5x blank value

Extraction and Instrument blanks were performed at the appropriate frequency.
Below is a summary of blank contamination:

A) **Method Blank Contamination:**
No target analytes were detected in the associated method blanks. No data validation qualifiers were required based upon method blank data.

B) **Field Blank Contamination:**

Target analytes were not detected in the Field Blank associated with sample analysis.

3.6 Calibration Verification

Initial and continuing calibration sequence was performed as required for multi-component PCB standards. Acceptable retention times were obtained for all analysis and GC resolution is acceptable for both columns.

Linearity criteria for the initial standards have been satisfied for both columns as detailed below:

%RSD </= 30% for surrogates (TCMX and DCB)
%RSD <20% for PCB aroclors.

Continuing calibration verifications:
For PCB analysis acceptable percent difference for any PCB analysis is 15%.

No qualifications have been applied based on these criteria.

3.7 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally for water samples an acceptable RPD is 10%.

MW-8 was utilized as the aqueous blind field duplicate (MW-XX). Target analytes were not detected in either analytical run for PCBs.

3.8 Target Compound Identification

Qualitative criteria for compound identification have been established to minimize the number of false positives and false negatives. The retention times of all target analytes have been verified in the samples to that of the analyzed reference standards

Positive PCB sample results are compared and where %Difference >25% when quantitated on the two columns the qualifications below are applied. Sample chromatograms were reviewed for the presence of interference. The following qualifications were applied where neither column shows interference:

%Difference	Qualifier
0-25%	None
26-70%	"J"
71-100%	"JN"
101-200% (no interference)	"R"
101-200% (interference detected)*	"JN"
>50% (Pesticide value is <CRQL)**	"U"
>201%	"R"

***When the reported %D is 101-200%, but interference is determined on either column, the results shall be qualified, "JN"**
**** When the reported pesticide value is lower than the CRQL, and the %D is >50%, raise the value to the CRQL and qualify "U", undetected.**

All sample results have been evaluated based on these criteria.

Groundwaters:
None

3.9 Compound Quantification and Reported Detection Limits

TCL compounds are identified on the GC by using the analyte's relative retention time (RRT) and by comparison to the primary column and the secondary confirmation column data. The laboratory reported the lower of the concentrations for primary/confirmatory column results as required.

3.10 Overall System Performance

Acceptable system performance was maintained throughout the analysis of all samples. Good resolution and chromatographic performance were observed.

4.0 TAL Metals (Total and Dissolved) by ICP/ICP-MS/Cold Vapor SW846 Methods 6010/6020/7471

The following method criteria were reviewed: holding times, CRDL standards, calibration, blanks, MS, laboratory duplicates, LCS, interference check sample, ICP serial dilutions and sample results verification. In order to meet the groundwater standard criteria, all samples were analyzed by ICP-MS techniques for Antimony and Thallium. The groundwater results were considered to be valid and usable with the appropriate qualifiers as notated in the following text:

4.1 Holding Times

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

All samples were digested and analyzed for Metals within the method required holding times and the technical holding times for data validation. No qualifications were applied based upon holding time criteria.

4.2 Calibration (ICV/CCV)

Satisfactory instrument calibration is established to ensure that the instruments are capable of producing acceptable quantitative data. An initial calibration demonstrates that the instruments are capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instruments are giving satisfactory sequential performance and that the initial calibration is still valid.

The ICP, ICP/MS and Mercury instruments were calibrated utilizing a minimum of a four-point curve in addition to blanks at the beginning of each analytical run. The calibrations had been determined to be acceptable, yielding correlation coefficients of 0.995 or greater.

For ICP analysis, satisfactory instrument performance near the Contract Required Detection Limit (CRDL) was demonstrated by analyzing a CRDL standard at the beginning and end of the analytical run. The instruments were calibrated properly by analyzing the CRDL solution at the correct levels, and analyzed at the required frequency at the beginning and end of each analytical run.

All recoveries were within acceptable limits of 90-110 % for initial calibration pertaining to field samples.

Continuing calibrations were within acceptable limits of 90-110% recovery of the true values for ICP and Mercury (80-120%) for all field samples.

No qualifications were applied based upon ICV/CCV analysis.

4.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination that may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

All digestion/prep/ICB/CCB/Field blanks were generated within acceptable limits yielding final concentrations less than the CRDL.

No qualifications to the data were made based upon blank contamination.

4.4 Spiked Sample Recovery

The spike data are generated to determine the long terms precision and accuracy of the analytical method in various matrices.
Aqueous spike recoveries are qualified based on the criteria below:
<30% - "R" all detects and non-detects
Between 30%-74% - results >/=MDL "J" and non-detects "UJ"
Between 126-150% - results >/=MDL "J" and
>150% - results >/= MDL "R"

SDG JB30991:
Aqueous MS/MSD was performed on MW-7 for both total and dissolved metals. Analysis resulted in acceptable recovery values for all elements. Acceptable RPD was observed. ICP-MS MS/MSD met QC requirements where the sample concentration is <50x the IDL.

SDG JB31271:
Aqueous MS/MSD analysis was conducted on MW-6. Analysis resulted in acceptable recovery values and RPD for all elements for both total and dissolved analysis. ICP-MS MS/MSD met QC requirements.

4.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data in order to determine the long-term precision of the analytical method on various matrices.

Laboratory Duplicates:
RPD >20% but <100% - J detected concentrations
RPD >/=100% - R all detected and non-detected concentrations

Field Duplicates:
RPD >/=35% but <120% - qualify sample and duplicate results >/= CRQL "J"
RPD >/= 120% - rejected sample and duplicate results >/= CRQL "R"

Aqueous Laboratory Duplicate analysis was conducted on MW-7 for JB30991 and MW-6 for JB31271. Acceptable RPD values were obtained for all elements for ICP and ICP-MS analysis.

Field Duplicate analysis was conducted on MW-8 (MW-XX).

A summary of detected concentrations in ppb is listed below:

Total Metals:	MW-8	MW-XX (Duplicate)
Aluminum	4010	3560
Arsenic	8.2	8.0
Calcium	136000	139000
Chromium	2910	2260
Copper	73.9	57.7
Iron	22500	20200
Lead	3.3	3.1
Magnesium	36000	36600
Manganese	3180	3160
Nickel	1390	1090
Sodium	85400	85800
Zinc	ND	23.3
Dissolved Metals:		
Calcium	140000	140000
Chromium	19.9	19.1
Iron	325	293
Magnesium	35400	35400
Manganese	3070	3050
Nickel	70.8	68.9
Sodium	90600	89600

Zinc must be considered estimated in the total analysis of MW-8 and MW-XX. No additional qualifications to the data were required based on field duplicate analysis.

4.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

The LCS was analyzed and reported for all ICP, ICP-MS and Mercury analysis. Associated LCS recoveries were within the acceptable limits for TAL Metals analyses (80-120%).

4.7 Interference Check Sample

The interference check sample (ICS) verifies the laboratory's interelement and background correction factors. The ICS consists of two solutions A and AB. Solution A consists of interference, and solution AB consists of the analytes mixed with interferents.

SW846 Method 6010 requires solution A and solution AB to be analyzed separately. The recoveries for the ICP interference check sample were all within the acceptable limits of 80-120%. No data qualifications were made based upon ICS analysis.

4.8 ICP Serial Dilution

The serial dilution of samples quantitated by ICP determines whether or not significant physical or chemical interferences exist due to sample matrix. An ICP serial dilution analysis must be performed on a sample for each group of samples with a similar matrix type and concentration, or for each Sample Delivery Group (SDG), whichever is more frequent.

Acceptable ICP and ICP-MS serial dilution was performed at a 5-fold dilution as required by the method where the initial concentration is equal or greater than 50x IDL. The serial dilution analysis agrees within a 10% difference of the original determination after correction for dilution for all elements where the sample concentration was determined to be <50x the IDL.

4.9 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The raw data was verified and found within the linear range of each instrument used for quantitation. Raw data supplied corresponds with reported values. Verification of the calculations yielded reported results.

Metals analysis resulted in acceptable results.

4.10 Overall Assessment of Data

The data generated were of acceptable quality.

For the TAL analysis, results are usable at the concentration presented in the validated spreadsheets.

ICP-MS analysis was conducted at a 1:2 dilution.

5.0 General Chemistry Analysis

Groundwater samples were analyzed for Hexavalent (SW846 Method 7196) and Trivalent Chromium (determined by calculation) - Total and Dissolved. The groundwater results were considered to be valid and usable as notated in the following text:

5.1 Holding Times

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "J", or unusable, "R", if the holding times are grossly exceeded.

Samples for Hexavalent Chromium (Total and Dissolved) were performed within 24 hours of collection as required by the method.

5.2 Calibration

Acceptable ICVs and CCVs were analyzed. No qualifications were applied based upon calibration data.

5.3 Blanks

Quality assurance (QA) blanks, i.e. method, field or preparation blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Preparation blanks measure laboratory contamination. Field blanks measure cross-contamination of samples during field operations.

Acceptable method blanks were analyzed with these SDGs as dictated by the analytical methods employed.

5.4 Spiked Sample Recovery

The spike data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Matrix spike analysis was performed on MW-6 and MW-7. Acceptable spike recoveries were obtained.

5.5 Laboratory/Field Duplicates

The laboratory uses duplicate sample determinations to demonstrate acceptable method precision at the time of analysis. Duplicate analyses are also performed to generate data in order to determine the long-term precision of the analytical method on various matrices.

Acceptable laboratory duplicate analysis on MW-6 and MW-7 was conducted as required by the method. The RPD fell outside acceptance limits due to low concentrations (less than the reporting limit) detected in the original sample.

Field duplicate analysis (MW-XX) was collected on MW-8. Precision as defined by Relative Percent Difference (RPD) was found to be within acceptable limits of +/- 20% for Hexavalent Chromium; no detections above the reporting limit.

5.6 Laboratory Control Sample

The laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous and solid Laboratory Control samples shall be analyzed for each analyte utilizing the same sample preparation, analytical methods and QA/QC procedures as employed for the samples.

Acceptable LCS was analyzed.

5.7 Sample Results Verification

Analyte quantitation was generated in accordance with protocols. The instrument logs were verified and found within the linear ranges of each instrument used for quantitation.

5.8 Overall Assessment of Data

The data was of acceptable quality.

Reviewer's Signature _____ **Date** 05/20/13

Appendix A
Data Summary Tables
With Qualifications

Table 1

Validated Analytical Results for Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project

700-730 Brook Avenue, Bronx, New York

BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	Trip Blank	Trip Blank	NYSDEC
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	liquid	liquid	TOGs*
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	3/11/2013	3/13/2013	
Volatile Organic Compounds									
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	~~ND~~ R	~~ND~~ R	10.5 J	~~ND~~ R	9.6 J	~~ND~~ R	~~ND~~ R	~~ND~~ R	50
Benzene	ND	ND	**7.1**	ND	**7.0**	ND	ND	ND	1
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND	~~ND~~ R	~~ND~~ R	~~ND~~ R	~~ND~~ R	~~ND~~ R	~~ND~~ R	~~ND~~ R	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	ND	ND	3.7 J	ND	3.5 J	ND	ND	ND	5
tert-Butylbenzene	ND	ND	0.92 J	ND	0.95 J	ND	ND	ND	5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	**12.3**	ND	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-Chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	ND	0.4
Ethylbenzene	ND	ND	**33.8**	ND	**33.2**	ND	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	**22.2**	ND	**21.8**	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	0.28 J	ND	0.30 J	ND	ND	ND	5
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	ND	10
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	2.3 J	ND	2.4 J	ND	ND	ND	10
n-Propylbenzene	ND	ND	**34.8**	ND	**34.5**	ND	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	5
Toluene	ND	ND	2.7	ND	2.8	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	ND	0.24 J	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trimethylbenzene	ND	ND	1.1 J	ND	1.1 J	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	0.47 J	ND	0.43 J	ND	ND	ND	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	2
m,p-Xylene	ND	ND	3.1	ND	3.0	ND	ND	ND	5
o-Xylene	ND	ND	0.67 J	ND	0.59 J	ND	ND	ND	5
Xylene (total)	0.27 J	ND	3.7	ND	3.6	ND	ND	ND	5

Notes:

ug/L - micrograms per liter or parts per billion

ND - Not detected at or above laboratory detection limits

NVG - No Value Given

J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

*** MW-XX is a duplicate of MW-8*

Boxed and bold indicates exceedance groundwater standards or guidance values

Table 2

Validated Analytical Results for Semi-Volatile Organic Compounds In Groundwater

Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

NYSDEC TOGS

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	Trip Blank
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	liquid
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	3/13/2013
Semi-Volatile Organic Compounds							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
2-Chlorophenol	ND	ND	ND	ND	ND	ND	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	ND	ND	ND	NVG
2,4-Dichlorophenol	ND	ND	ND	ND	ND	ND	5
2,4-Dimethylphenol	ND	ND	ND	ND	ND	ND	50
2,4-Dinitrophenol	~~ND~~ R	~~ND~~ UJ	~~ND~~ R	~~ND~~ UJ	~~ND~~ R	~~ND~~ R	10
4,6-Dinitro-2-methylphenol	~~ND~~ UJ	ND	~~ND~~ UJ	ND	~~ND~~ UJ	~~ND~~ UJ	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	1
3+4-Methylphenols	ND	ND	ND	ND	ND	ND	1
2-Nitrophenol	ND	ND	ND	ND	ND	ND	NVG
4-Nitrophenol	ND	ND	ND	ND	ND	ND	NVG
Pentachlorophenol	~~ND~~ UJ	ND	~~ND~~ UJ	ND	~~ND~~ UJ	~~ND~~ UJ	NVG
Phenol	ND	ND	ND	ND	ND	ND	1
2,4,5-Trichlorophenol	ND	ND	ND	ND	ND	ND	NVG
2,4,6-Trichlorophenol	ND	ND	ND	ND	ND	ND	NVG
Acenaphthene	ND	ND	~~ND~~ UJ	ND	0.51 J	ND	20
Acenaphthylene	ND	ND	ND	ND	ND	ND	NVG
Acetophenone	ND	ND	ND	ND	ND	ND	NVG
Anthracene	ND	ND	ND	ND	ND	ND	50
Atrazine	ND	ND	ND	ND	ND	ND	7.5
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	0.002
Benzo(g,h,I)perylene	ND	ND	ND	ND	ND	ND	NVG
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	0.002
4-Bromophenyl-phenylether	ND	ND	ND	ND	ND	ND	NVG
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	50
1,1'-Biphenyl	ND	ND	ND	ND	ND	ND	5
Benzaldehyde	ND	ND	ND	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	10
4-Chloroaniline	ND	ND	ND	ND	ND	ND	5
Carbazole	ND	ND	ND	ND	ND	ND	NVG
Caprolactam	ND	ND	ND	ND	ND	ND	NVG
Chrysene	ND	ND	ND	ND	ND	ND	0.002
bis(2-Chloroethoxy)methane	ND	ND	ND	ND	ND	ND	5
bis(2-Chloroethyl)ether	ND	ND	ND	ND	ND	ND	1
bis(2-Chloroisopropyl)ether	ND	ND	ND	ND	ND	ND	NVG
4-Chlorophenyl-phenylether	ND	ND	ND	ND	ND	ND	NVG
2,4-Dinitrotoluene	ND	ND	ND	ND	ND	ND	5
2,6-Dinitrotoluene	ND	ND	ND	ND	ND	ND	5
3,3-Dichlorobenzidine	ND	ND	ND	ND	ND	ND	5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	NVG
Dibenzofuran	ND	ND	ND	ND	ND	ND	NVG
Di-n-butylphthalate	ND	ND	ND	ND	ND	ND	50
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	50
Diethylphthalate	ND	ND	ND	ND	ND	ND	50
Dimethylphthalate	ND	ND	ND	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	ND	ND	5
Fluoranthene	ND	ND	ND	ND	ND	ND	50
Fluorene	ND	ND	ND	ND	ND	ND	50
Hexachlorobenzene	ND	ND	ND	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	0.5
Hexachlorocyclopentadiene	~~ND~~ UJ	ND	~~ND~~ UJ	ND	~~ND~~ UJ	~~ND~~ UJ	5
Hexachloroethane	ND	ND	ND	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	0.002
Isophorone	ND	ND	ND	ND	ND	ND	50
2-Methylnaphthalene	ND	ND	~~ND~~ UJ	ND	0.53 J	ND	NGV
2-Nitroaniline	ND	ND	ND	ND	ND	ND	5
3-Nitroaniline	ND	ND	ND	ND	ND	ND	5
4-Nitroaniline	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	2.4	ND	2.6	ND	10
Nitrobenzene	ND	ND	ND	ND	ND	ND	0.4
N-Nitroso-di-n-propylamine	ND	ND	ND	ND	ND	ND	NVG
N-Nitrosodiphenylamine	ND	ND	ND	ND	ND	ND	50
Phenanthrene	ND	ND	ND	ND	ND	ND	50
Pyrene	ND	ND	ND	ND	ND	ND	50

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*
** MW-XX is a duplicate of MW-8

Boxed and bold indicates exceedance of groundwater standards or guidance values

Table 3

Validated Analytical Results for PCBs In Groundwater

Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID Matrix Date Sampled	MW-6 groundwater 3/13/2013	MW-7 groundwater 3/11/2013	MW-8 groundwater 3/13/2013	MW-9 groundwater 3/11/2013	MW-XX** groundwater 3/13/2013	Field Blank liquid 3/13/2013	NYSDEC TOGS***
PCBs							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aroclor-1016	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1221	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1232	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1242	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1248	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1254	ND	ND	ND	ND	ND	ND	0.09 *
Aroclor-1260	ND	ND	ND	ND	ND	ND	0.09 *

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
** Applies to the sum of these compounds*
*** MW-XX is a duplicate of MW-8*

****NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*

Table 4
Validated Analytical Results for Metals In Groundwater
Via Verde aka New Housing New York Legacy Project
700-730 Brook Avenue, Bronx, New York
BCP # C203043

Sample ID	MW-6	MW-7	MW-8	MW-9	MW-XX**	Field Blank	NYSDEC
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	TOGS*
Date Sampled	3/13/2013	3/11/2013	3/13/2013	3/11/2013	3/13/2013	3/13/2013	
Total Metals Unfiltered							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	2,230	<200	4,010	491	3,560	<200	NVG
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Arsenic	<3.0	<3.0	8.2	4.1	8.0	<3.0	25
Barium	<200	<200	<200	<200	<200	<200	1,000
Berylium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Cadmium	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	5
Calcium	49,000	129,000	136,000	110,000	139,000	<5,000	NVG
Chromium	37.7	<10	**2,910**	**300**	**2,260**	<10	50
Cobalt	<50	<50	<50	<50	<50	<50	NVG
Copper	<10	<10	73.9	13.4	57.7	<10	200
Iron	**2,810**	228	**22,500**	**2,150**	**20,200**	<100	300
Lead	<3.0	<3.0	3.3	<3.0	3.1	<3.0	25
Magnesium	6,660	25,600	**36,000**	7,940	**36,600**	<5,000	35,000
Manganese	76.2	43.1	**3,180**	**691**	**3,160**	<15	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.7
Nickel	22.0	<10	**1,390**	**146**	**1,090**	<10	100
Potassium	<10,000	<10,000	<10,000	10,400	<10,000	<10,000	NVG
Selenium	<10	<10	<10	<10	<10	<10	10
Silver	<10	<10	<10	<10	<10	<10	50
Sodium	**27,600**	**60,300**	**85,400**	**78,300**	**86,800**	<10,000	20,000
Thallium	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.5
Vanadium	<50	<50	<50	<50	<50	<50	NVG
Zinc	22.3	<20	24.0 <20 J	<20	23.3	<20	2,000
Chromium, Hexavalent	<0.010a	<0.010a	<0.010a	<0.010a	<0.010a	<0.010a	50
Chromium, Trivalent	~~380~~ 38	<0.020c	**2,900**	**300**	**2,300**	<0.020c	50
Total Metals Filtered							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	344	<200	<200	434	<200	NA	NVG
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	NA	3
Arsenic	<3.0	<3.0	<3.0	<3.0	3.1	NA	25
Barium	<200	<200	<200	<200	<200	NA	1,000
Berylium	<1.0	<1.0	<1.0	<1.0	<1.0	NA	3
Cadmium	<3.0	<3.0	<3.0	<3.0	<3.0	NA	5
Calcium	46,700	130,000	140,000	113,000	140,000	NA	NVG
Chromium	<10	<10	19.9	**380**	19.1	NA	50
Cobalt	<50	<50	<50	<50	<50	NA	NVG
Copper	<10	<10	<10	13.2	<10	NA	200
Iron	419	123	**325**	**2,290**	293	NA	300
Lead	<3.0	<3.0	<3.0	<3.0	<3.0	NA	25
Magnesium	5,760	25,700	**35,400**	7,990	**35,400**	NA	35,000
Manganese	20.3	41.3	**3,070**	**708**	**3,050**	NA	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	NA	0.7
Nickel	14.7	<10	70.8	**187**	68.9	NA	100
Potassium	<10,000	<10,000	<10,000	10,500	<10,000	NA	NVG
Selenium	<10	<10	<10	<10	<10	NA	10
Silver	<10	<10	<10	<10	<10	NA	50
Sodium	**26,700**	**60,300**	**90,600**	**80,800**	**89,600**	NA	20,000
Thallium	<1.0	<1.0	<1.0	<1.0	<1.0	NA	0.5
Vanadium	<50	<50	<50	<50	<50	NA	NVG
Zinc	<20	<20	<20	<20	<20	NA	2,000
Chromium, Hexavalent	<0.010a	<0.010a	<0.010a	<0.010a	<0.010a	NA	50
Chromium, Trivalent	<0.020	<0.020c	~~0.020~~ 19.9	**380**	<~~0.020~~ 19.1	NA	50

Notes:
ug/L - micrograms per liter or parts per billion
ND - Not detected at or above laboratory detection limits
NVG - No Value Given
J - Estimated Value
a - Hexavalent Chromium is <10ppb
b - Analysis done out of holding time

**NYSDEC Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations; June 1998*
** MW-XX is a duplicate of MW-8
c - Calculated as: (Chromium) - (Chromium, Hexavalent)
R- the presence or absence of the analyte cannot be verified

Boxed and bold indicates exceedance of groundwater standards or guidance values

5/21/13

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D84237.D	1	03/19/13	NT	n/a	n/a	V3D3623
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/20/13

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		81-121%
17060-07-0	1,2-Dichloroethane-D4	110%		74-127%
2037-26-5	Toluene-D8	112%		80-122%
460-00-4	4-Bromofluorobenzene	104%		78-116%

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Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21874.D	1	03/26/13	AD	03/15/13	OP64419	EF5131
Run #2 [a]	R97904.D	1	03/21/13	ALS	03/15/13	OP64419	ER3881

	Initial Volume	Final Volume
Run #1	930 ml	1.0 ml
Run #2	890 ml	1.0 ml

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.4	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.4	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.4	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.4	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	~~ND~~ UJ	22	18	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.1	ug/l	
	3&4-Methylphenol	ND	2.2	0.99	ug/l	
88-75-5	2-Nitrophenol	ND	5.4	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.6	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.4	1.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.4	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
98-86-2	Acetophenone	ND	2.2	0.31	ug/l	
120-12-7	Anthracene	ND	1.1	0.31	ug/l	
1912-24-9	Atrazine	ND	5.4	0.52	ug/l	
100-52-7	Benzaldehyde	ND	5.4	3.5	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.49	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.55	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.31	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.33	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.32	ug/l	
106-47-8	4-Chloroaniline	ND	5.4	0.57	ug/l	
86-74-8	Carbazole	ND	1.1	0.39	ug/l	
105-60-2	Caprolactam	ND	2.2	0.74	ug/l	

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5/21/13

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.1	0.31	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.33	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.33	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.49	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.34	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.46	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.50	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.4	0.39	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.41	ug/l	
132-64-9	Dibenzofuran	ND	5.4	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.60	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.33	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.35	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.30	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.63	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.34	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.55	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	7.6	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.59	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.40	ug/l	
78-59-1	Isophorone	ND	2.2	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.41	ug/l	
88-74-4	2-Nitroaniline	ND	5.4	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.4	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.4	1.8	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.45	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.4	0.33	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.29	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%	56%	10-83%
4165-62-2	Phenol-d5	26%	38%	10-74%
118-79-6	2,4,6-Tribromophenol	96%	88%	24-148%
4165-60-0	Nitrobenzene-d5	77%	88%	38-129%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	68%	86%	42-117%
1718-51-0	Terphenyl-d14	90%	98%	14-132%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78720.D	1	03/16/13	OPM	03/15/13	OP64424	G2G2616
Run #2							

	Initial Volume	Final Volume
Run #1	915 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.55	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.55	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.55	0.42	ug/l	
53469-21-9	Aroclor 1242	ND	0.55	0.094	ug/l	
12672-29-6	Aroclor 1248	ND	0.55	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.55	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.55	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.55	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.55	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		27-144%
877-09-8	Tetrachloro-m-xylene	76%		27-144%
2051-24-3	Decachlorobiphenyl	59%		10-139%
2051-24-3	Decachlorobiphenyl	52%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	491	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Antimony	< 1.0	1.0	ug/l	2	03/14/13	03/18/13	VC	SW846 6020A [1]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Calcium	110000	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Chromium	300	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Copper	13.4	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Iron	2150	100	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Lead	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Magnesium	7940	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Manganese	691	15	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	03/22/13	03/22/13	DP	SW846 7470A [2]	SW846 7470A [6]
Nickel	146	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Potassium	10400	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Sodium	78300	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Thallium	< 1.0	1.0	ug/l	2	03/14/13	03/18/13	VC	SW846 6020A [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Zinc	< 20	20	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]

(1) Instrument QC Batch: MA30729
(2) Instrument QC Batch: MA30768
(3) Instrument QC Batch: MA30771
(4) Prep QC Batch: MP70451
(5) Prep QC Batch: MP70451A
(6) Prep QC Batch: MP70641

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/11/13 21:59	CW	SW846 7196A
Chromium, Trivalent [a]	0.30	0.020	mg/l	1	03/23/13 05:32	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1F	Date Sampled:	03/11/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	434	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Antimony	< 1.0	1.0	ug/l	2	03/14/13	03/18/13	VC	SW846 6020A [1]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Calcium	113000	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Chromium	380	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Copper	13.2	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Iron	2290	100	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Lead	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Magnesium	7990	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Manganese	708	15	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	03/22/13	03/22/13	DP	SW846 7470A [2]	SW846 7470A [6]
Nickel	187	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Potassium	10500	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Sodium	80800	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Thallium	< 1.0	1.0	ug/l	2	03/14/13	03/18/13	VC	SW846 6020A [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Zinc	< 20	20	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]

(1) Instrument QC Batch: MA30729
(2) Instrument QC Batch: MA30768
(3) Instrument QC Batch: MA30771
(4) Prep QC Batch: MP70451
(5) Prep QC Batch: MP70451A
(6) Prep QC Batch: MP70641

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB30991-1F	Date Sampled:	03/11/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/11/13 21:59	CW	SW846 7196A
Chromium, Trivalent [a]	0.38	0.020	mg/l	1	03/23/13 05:37	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D84236.D	1	03/19/13	NT	n/a	n/a	V3D3623
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/20/13

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	0.24	1.0	0.22	ug/l	J
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	112%		81-121%
17060-07-0	1,2-Dichloroethane-D4	108%		74-127%
2037-26-5	Toluene-D8	112%		80-122%
460-00-4	4-Bromofluorobenzene	105%		78-116%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21875.D	1	03/26/13	AD	03/15/13	OP64419	EF5131
Run #2 [a]	R97905.D	1	03/21/13	ALS	03/15/13	OP64419	ER3881

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	930 ml	1.0 ml

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	~~ND~~ UJ	21	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.5	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.24	ug/l	
98-86-2	Acetophenone	ND	2.1	0.30	ug/l	
120-12-7	Anthracene	ND	1.1	0.30	ug/l	
1912-24-9	Atrazine	ND	5.3	0.51	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.4	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.48	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.54	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.30	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.31	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.56	ug/l	
86-74-8	Carbazole	ND	1.1	0.38	ug/l	
105-60-2	Caprolactam	ND	2.1	0.73	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4/5/13

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.1	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.32	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.32	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.48	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.33	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.45	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.49	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.3	0.38	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.40	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.32	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.34	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.30	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.1	0.62	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.33	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.54	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	7.5	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.58	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.39	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.40	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.7	ug/l	
91-20-3	Naphthalene	ND	1.1	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.44	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.32	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%	46%	10-83%
4165-62-2	Phenol-d5	28%	30%	10-74%
118-79-6	2,4,6-Tribromophenol	100%	78%	24-148%
4165-60-0	Nitrobenzene-d5	81%	72%	38-129%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	62%	69%	42-117%
1718-51-0	Terphenyl-d14	96%	96%	14-132%

(a) Confirmation run.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78721.D	1	03/16/13	OPM	03/15/13	OP64424	G2G2616
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.55	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.55	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.55	0.42	ug/l	
53469-21-9	Aroclor 1242	ND	0.55	0.095	ug/l	
12672-29-6	Aroclor 1248	ND	0.55	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.55	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.55	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.55	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.55	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		27-144%
877-09-8	Tetrachloro-m-xylene	78%		27-144%
2051-24-3	Decachlorobiphenyl	72%		10-139%
2051-24-3	Decachlorobiphenyl	64%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Antimony	< 1.0	1.0	ug/l	2	03/14/13	03/19/13	VC	SW846 6020A [1]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Calcium	129000	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Chromium	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Copper	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Iron	228	100	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Lead	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Magnesium	25600	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Manganese	43.1	15	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	03/22/13	03/22/13	DP	SW846 7470A [2]	SW846 7470A [6]
Nickel	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Sodium	60300	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Thallium	< 1.0	1.0	ug/l	2	03/14/13	03/19/13	VC	SW846 6020A [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Zinc	< 20	20	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]

(1) Instrument QC Batch: MA30737
(2) Instrument QC Batch: MA30768
(3) Instrument QC Batch: MA30771
(4) Prep QC Batch: MP70451
(5) Prep QC Batch: MP70451A
(6) Prep QC Batch: MP70641

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2	Date Sampled:	03/11/13
Matrix:	AQ - Ground Water	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/11/13 21:59	CW	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	03/23/13 04:56	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2F	Date Sampled:	03/11/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Antimony	< 1.0	1.0	ug/l	2	03/14/13	03/18/13	VC	SW846 6020A [1]	SW846 3010A [4]
Arsenic	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Calcium	130000	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Chromium	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Copper	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Iron	123	100	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Lead	< 3.0	3.0	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Magnesium	25700	5000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Manganese	41.3	15	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	03/22/13	03/22/13	DP	SW846 7470A [2]	SW846 7470A [6]
Nickel	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Sodium	60300	10000	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Thallium	< 1.0	1.0	ug/l	2	03/14/13	03/18/13	VC	SW846 6020A [1]	SW846 3010A [4]
Vanadium	< 50	50	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]
Zinc	< 20	20	ug/l	1	03/14/13	03/23/13	BL	SW846 6010C [3]	SW846 3010A [5]

(1) Instrument QC Batch: MA30729
(2) Instrument QC Batch: MA30768
(3) Instrument QC Batch: MA30771
(4) Prep QC Batch: MP70451
(5) Prep QC Batch: MP70451A
(6) Prep QC Batch: MP70641

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB30991-2F	Date Sampled:	03/11/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/11/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/11/13 21:59	CW	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	03/23/13 05:20	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JB30991-3	Date Sampled:	03/11/13
Matrix:	AQ - Trip Blank Water	Date Received:	03/11/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D84235.D	1	03/19/13	NT	n/a	n/a	V3D3623
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/20/13

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	JB30991-3	Date Sampled:	03/11/13
Matrix:	AQ - Trip Blank Water	Date Received:	03/11/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	114%		81-121%
17060-07-0	1,2-Dichloroethane-D4	109%		74-127%
2037-26-5	Toluene-D8	112%		80-122%
460-00-4	4-Bromofluorobenzene	105%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125916.D	1	03/22/13	CC	n/a	n/a	V1A5417
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	12.3	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

3/20/13

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.27	1.0	0.24	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	86%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	85%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F22233.D	1	04/03/13	NAP	03/19/13	OP64567	EF5143
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.6	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	~~ND~~ R	22	18	ug/l	
534-52-1	4,6-Dinitro-o-cresol	~~ND~~ UJ	22	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.2	ug/l	
	3&4-Methylphenol	ND	2.2	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	1.7	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.8	ug/l	
87-86-5	Pentachlorophenol	~~ND~~ UJ	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
98-86-2	Acetophenone	ND	2.2	0.32	ug/l	
120-12-7	Anthracene	ND	1.1	0.32	ug/l	
1912-24-9	Atrazine	ND	5.6	0.54	ug/l	
100-52-7	Benzaldehyde	ND	5.6	3.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.25	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.51	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.57	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.32	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.34	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.33	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.59	ug/l	
86-74-8	Carbazole	ND	1.1	0.40	ug/l	
105-60-2	Caprolactam	ND	2.2	0.77	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/21/13

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.1	0.32	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.50	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.47	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.51	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.40	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.42	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.29	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.62	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.34	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.36	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.31	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.65	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.35	ug/l	
86-73-7	Fluorene	ND	1.1	0.31	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.57	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND UJ	11	7.9	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.61	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.42	ug/l	
78-59-1	Isophorone	ND	2.2	0.30	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.43	ug/l	
88-74-4	2-Nitroaniline	ND	5.6	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	1.8	ug/l	
91-20-3	Naphthalene	ND	1.1	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.34	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.34	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.32	ug/l	
129-00-0	Pyrene	ND	1.1	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-83%
4165-62-2	Phenol-d5	28%		10-74%
118-79-6	2,4,6-Tribromophenol	112%		24-148%
4165-60-0	Nitrobenzene-d5	94%		38-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/21/13

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	88%		42-117%
1718-51-0	Terphenyl-d14	100%		14-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G79012.D	1	03/22/13	OPM	03/18/13	OP64531	G2G2621
Run #2							

	Initial Volume	Final Volume
Run #1	910 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.55	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.55	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.55	0.42	ug/l	
53469-21-9	Aroclor 1242	ND	0.55	0.095	ug/l	
12672-29-6	Aroclor 1248	ND	0.55	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.55	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.55	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.55	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.55	0.066	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		27-144%
877-09-8	Tetrachloro-m-xylene	65%		27-144%
2051-24-3	Decachlorobiphenyl	65%		10-139%
2051-24-3	Decachlorobiphenyl	62%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	2230	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Calcium	49000	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	37.7	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Iron	2810	100	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Magnesium	6660	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Manganese	76.2	15	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [3]	SW846 7470A [6]
Nickel	22.0	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Sodium	27600	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Zinc	22.3	20	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA30767
(2) Instrument QC Batch: MA30771
(3) Instrument QC Batch: MA30779
(4) Prep QC Batch: MP70618
(5) Prep QC Batch: MP70618A
(6) Prep QC Batch: MP70675

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/14/13 10:12	AD	SW846 7196A
Chromium, Trivalent [a]	0.038	0.020	mg/l	1	03/23/13 00:18	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1F	Date Sampled:	03/13/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	344	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Calcium	46700	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Iron	419	100	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Magnesium	5760	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Manganese	20.3	15	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [3]	SW846 7470A [6]
Nickel	14.7	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Sodium	26700	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA30767
(2) Instrument QC Batch: MA30771
(3) Instrument QC Batch: MA30779
(4) Prep QC Batch: MP70618
(5) Prep QC Batch: MP70618A
(6) Prep QC Batch: MP70675

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB31271-1F	Date Sampled:	03/13/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/14/13 10:16	AD	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	03/23/13 02:34	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125893.D	1	03/21/13	CC	n/a	n/a	V1A5416
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.5 J	10	3.3	ug/l	
71-43-2	Benzene	7.1	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	3.7	5.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	0.92	5.0	0.30	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/20/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	33.8	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	22.2	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	0.28	5.0	0.22	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	2.3	5.0	1.1	ug/l	J
103-65-1	n-Propylbenzene	34.8	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	2.7	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.1	2.0	0.19	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.47	2.0	0.36	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	3.1	1.0	0.42	ug/l	
95-47-6	o-Xylene	0.67	1.0	0.24	ug/l	J
1330-20-7	Xylene (total)	3.7	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	87%		74-127%
2037-26-5	Toluene-D8	98%		80-122%
460-00-4	4-Bromofluorobenzene	86%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F22234.D	1	04/03/13	NAP	03/19/13	OP64567	EF5143
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.5	ug/l	
51-28-5	2,4-Dinitrophenol	~~ND~~ R	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	~~ND~~ UJ	20	0.99	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.2	ug/l	
87-86-5	Pentachlorophenol	~~ND~~ UJ	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.0	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/i	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	0.36	ug/l	
105-60-2	Caprolactam	ND	2.0	0.69	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/21/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.31	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.46	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.36	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.59	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	~~ND~~ UJ	10	7.1	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.38	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.7	ug/l	
91-20-3	Naphthalene	2.4	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-83%
4165-62-2	Phenol-d5	23%		10-74%
118-79-6	2,4,6-Tribromophenol	103%		24-148%
4165-60-0	Nitrobenzene-d5	81%		38-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/24/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	74%		42-117%
1718-51-0	Terphenyl-d14	83%		14-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G79013.D	1	03/22/13	OPM	03/18/13	OP64531	G2G2621
Run #2							

	Initial Volume	Final Volume
Run #1	870 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.57	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.57	0.31	ug/l	
11141-16-5	Aroclor 1232	ND	0.57	0.44	ug/l	
53469-21-9	Aroclor 1242	ND	0.57	0.099	ug/l	
12672-29-6	Aroclor 1248	ND	0.57	0.17	ug/l	
11097-69-1	Aroclor 1254	ND	0.57	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.57	0.24	ug/l	
11100-14-4	Aroclor 1268	ND	0.57	0.15	ug/l	
37324-23-5	Aroclor 1262	ND	0.57	0.069	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	59%		27-144%
877-09-8	Tetrachloro-m-xylene	49%		27-144%
2051-24-3	Decachlorobiphenyl	51%		10-139%
2051-24-3	Decachlorobiphenyl	46%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4010	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Arsenic	8.2	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Calcium	136000	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	2910	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Copper	73.9	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Iron	22500	100	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	3.3	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Magnesium	36000	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Manganese	3180	15	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [3]	SW846 7470A [6]
Nickel	1390	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Sodium	85400	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20 UJ	20	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA30767
(2) Instrument QC Batch: MA30771
(3) Instrument QC Batch: MA30779
(4) Prep QC Batch: MP70618
(5) Prep QC Batch: MP70618A
(6) Prep QC Batch: MP70675

RL = Reporting Limit

5/21/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/14/13 10:12	AD	SW846 7196A
Chromium, Trivalent [a]	2.9	0.020	mg/l	1	03/23/13 00:30	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2F	Date Sampled:	03/13/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Calcium	140000	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	19.9	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Iron	325	100	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Magnesium	35400	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Manganese	3070	15	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [3]	SW846 7470A [6]
Nickel	70.8	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Sodium	90600	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA30767
(2) Instrument QC Batch: MA30771
(3) Instrument QC Batch: MA30779
(4) Prep QC Batch: MP70618
(5) Prep QC Batch: MP70618A
(6) Prep QC Batch: MP70675

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB31271-2F	Date Sampled:	03/13/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/14/13 10:16	AD	SW846 7196A
Chromium, Trivalent [a]	0.020	0.020	mg/l	1	03/23/13 02:40	BL	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125894.D	1	03/21/13	CC	n/a	n/a	V1A5416
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.6 J	10	3.3	ug/l	J
71-43-2	Benzene	7.0	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	3.5	5.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	0.95	5.0	0.30	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/20/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	33.2	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	21.8	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	0.30	5.0	0.22	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	2.4	5.0	1.1	ug/l	J
103-65-1	n-Propylbenzene	34.5	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	2.8	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	1.1	2.0	0.19	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	0.43	2.0	0.36	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	3.0	1.0	0.42	ug/l	
95-47-6	o-Xylene	0.59	1.0	0.24	ug/l	J
1330-20-7	Xylene (total)	3.6	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	85%		74-127%
2037-26-5	Toluene-D8	98%		80-122%
460-00-4	4-Bromofluorobenzene	85%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F22235.D	1	04/03/13	NAP	03/19/13	OP64567	EF5143
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.6	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.6	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.6	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.6	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	~~ND~~ R	22	19	ug/l	
534-52-1	4,6-Dinitro-o-cresol	~~ND~~ UJ	22	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.2	ug/l	
	3&4-Methylphenol	ND	2.2	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.6	1.7	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.8	ug/l	
87-86-5	Pentachlorophenol	~~ND~~ UJ	11	1.6	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.6	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.6	1.4	ug/l	
83-32-9	Acenaphthene	0.51	1.1	0.30	ug/l	J
208-96-8	Acenaphthylene	ND	1.1	0.26	ug/l	
98-86-2	Acetophenone	ND	2.2	0.32	ug/l	
120-12-7	Anthracene	ND	1.1	0.32	ug/l	
1912-24-9	Atrazine	ND	5.6	0.55	ug/l	
100-52-7	Benzaldehyde	ND	5.6	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.25	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.51	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.36	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.57	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.32	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.34	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.33	ug/l	
106-47-8	4-Chloroaniline	ND	5.6	0.59	ug/l	
86-74-8	Carbazole	ND	1.1	0.40	ug/l	
105-60-2	Caprolactam	ND	2.2	0.77	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/21/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.1	0.32	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.35	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.51	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.48	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.52	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.6	0.40	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.42	ug/l	
132-64-9	Dibenzofuran	ND	5.6	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.62	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.35	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.37	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.32	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.66	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.36	ug/l	
86-73-7	Fluorene	ND	1.1	0.31	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.38	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.58	ug/l	
77-47-4	Hexachlorocyclopentadiene	~~ND~~ UJ	11	8.0	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.62	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.42	ug/l	
78-59-1	Isophorone	ND	2.2	0.31	ug/l	
91-57-6	2-Methylnaphthalene	0.53	1.1	0.43	ug/l	J
88-74-4	2-Nitroaniline	ND	5.6	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.6	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.6	1.9	ug/l	
91-20-3	Naphthalene	2.6	1.1	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.47	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.34	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.6	0.34	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.33	ug/l	
129-00-0	Pyrene	ND	1.1	0.30	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-83%
4165-62-2	Phenol-d5	28%		10-74%
118-79-6	2,4,6-Tribromophenol	110%		24-148%
4165-60-0	Nitrobenzene-d5	86%		38-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/21/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	81%		42-117%
1718-51-0	Terphenyl-d14	91%		14-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G79014.D	1	03/22/13	OPM	03/18/13	OP64531	G2G2621
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.54	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.54	0.29	ug/l	
11141-16-5	Aroclor 1232	ND	0.54	0.42	ug/l	
53469-21-9	Aroclor 1242	ND	0.54	0.093	ug/l	
12672-29-6	Aroclor 1248	ND	0.54	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.54	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.54	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.54	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.54	0.065	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	62%		27-144%
877-09-8	Tetrachloro-m-xylene	49%		27-144%
2051-24-3	Decachlorobiphenyl	57%		10-139%
2051-24-3	Decachlorobiphenyl	51%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3560	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Arsenic	8.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Calcium	139000	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	2260	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Copper	57.7	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Iron	20200	100	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	3.1	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Magnesium	36600	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Manganese	3160	15	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [3]	SW846 7470A [6]
Nickel	1090	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Sodium	85800	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Zinc	23.3 J	20	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA30767
(2) Instrument QC Batch: MA30771
(3) Instrument QC Batch: MA30779
(4) Prep QC Batch: MP70618
(5) Prep QC Batch: MP70618A
(6) Prep QC Batch: MP70675

RL = Reporting Limit

5/21/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3	Date Sampled:	03/13/13
Matrix:	AQ - Ground Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.010	0.010	mg/l	1	03/14/13 10:12	AD	SW846 7196A
Chromium, Trivalent [b]	2.3	0.020	mg/l	1	03/23/13 00:36	BL	SW846 6010/7196A M

(a) Analysis done out of holding time.
(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3F	Date Sampled:	03/13/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Arsenic	3.1	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Calcium	140000	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Chromium	19.1	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Iron	293	100	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Magnesium	35400	5000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Manganese	3050	15	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [3]	SW846 7470A [6]
Nickel	68.9	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Sodium	89600	10000	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	03/21/13	03/22/13	VC	SW846 6020A [1]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	03/21/13	03/23/13	BL	SW846 6010C [2]	SW846 3010A [4]

(1) Instrument QC Batch: MA30767
(2) Instrument QC Batch: MA30771
(3) Instrument QC Batch: MA30779
(4) Prep QC Batch: MP70618
(5) Prep QC Batch: MP70618A
(6) Prep QC Batch: MP70675

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB31271-3F	Date Sampled:	03/13/13
Matrix:	AQ - Groundwater Filtered	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.010	0.010	mg/l	1	03/14/13 10:16	AD	SW846 7196A
Chromium, Trivalent [b]	< 0.020	0.020	mg/l	1	03/23/13 02:46	BL	SW846 6010/7196A M

(a) Analysis done out of holding time.
(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125891.D	1	03/21/13	CC	n/a	n/a	V1A5416
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/20/13

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	89%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	83%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F22236.D	1	04/03/13	NAP	03/19/13	OP64567	EF5143
Run #2							

	Initial Volume	Final Volume
Run #1	550 ml	1.0 ml
Run #2		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	9.1	1.8	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	9.1	3.3	ug/l	
120-83-2	2,4-Dichlorophenol	ND	9.1	2.1	ug/l	
105-67-9	2,4-Dimethylphenol	ND	9.1	2.8	ug/l	
51-28-5	2,4-Dinitrophenol	~~ND~~ R	36	30	ug/l	
534-52-1	4,6-Dinitro-o-cresol	~~ND~~ UJ	36	1.8	ug/l	
95-48-7	2-Methylphenol	ND	3.6	1.9	ug/l	
	3&4-Methylphenol	ND	3.6	1.7	ug/l	
88-75-5	2-Nitrophenol	ND	9.1	2.7	ug/l	
100-02-7	4-Nitrophenol	ND	18	9.5	ug/l	
87-86-5	Pentachlorophenol	~~ND~~ UJ	18	2.5	ug/l	
108-95-2	Phenol	ND	3.6	2.3	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	9.1	2.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	9.1	2.3	ug/l	
83-32-9	Acenaphthene	ND	1.8	0.48	ug/l	
208-96-8	Acenaphthylene	ND	1.8	0.41	ug/l	
98-86-2	Acetophenone	ND	3.6	0.52	ug/l	
120-12-7	Anthracene	ND	1.8	0.52	ug/l	
1912-24-9	Atrazine	ND	9.1	0.89	ug/l	
100-52-7	Benzaldehyde	ND	9.1	5.9	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.8	0.41	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.8	0.41	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.8	0.83	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.8	0.59	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.8	0.93	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	3.6	0.65	ug/l	
85-68-7	Butyl benzyl phthalate	ND	3.6	0.53	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.8	0.55	ug/l	
91-58-7	2-Chloronaphthalene	ND	3.6	0.54	ug/l	
106-47-8	4-Chloroaniline	ND	9.1	0.96	ug/l	
86-74-8	Carbazole	ND	1.8	0.65	ug/l	
105-60-2	Caprolactam	ND	3.6	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

5/2/13

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	ND	1.8	0.52	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	3.6	0.56	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	3.6	0.56	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	3.6	0.83	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	3.6	0.57	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	3.6	0.77	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	3.6	0.84	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.1	0.65	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.8	0.69	ug/l	
132-64-9	Dibenzofuran	ND	9.1	0.48	ug/l	
84-74-2	Di-n-butyl phthalate	ND	3.6	1.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	3.6	0.56	ug/l	
84-66-2	Diethyl phthalate	ND	3.6	0.59	ug/l	
131-11-3	Dimethyl phthalate	ND	3.6	0.51	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	3.6	1.1	ug/l	
206-44-0	Fluoranthene	ND	1.8	0.58	ug/l	
86-73-7	Fluorene	ND	1.8	0.50	ug/l	
118-74-1	Hexachlorobenzene	ND	1.8	0.61	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.8	0.93	ug/l	
77-47-4	Hexachlorocyclopentadiene	~~ND~~ UJ	18	13	ug/l	
67-72-1	Hexachloroethane	ND	3.6	1.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.8	0.68	ug/l	
78-59-1	Isophorone	ND	3.6	0.50	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.8	0.70	ug/l	
88-74-4	2-Nitroaniline	ND	9.1	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	9.1	2.3	ug/l	
100-01-6	4-Nitroaniline	ND	9.1	3.0	ug/l	
91-20-3	Naphthalene	ND	1.8	0.47	ug/l	
98-95-3	Nitrobenzene	ND	3.6	0.76	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	3.6	0.55	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	9.1	0.55	ug/l	
85-01-8	Phenanthrene	ND	1.8	0.53	ug/l	
129-00-0	Pyrene	ND	1.8	0.49	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-83%
4165-62-2	Phenol-d5	33%		10-74%
118-79-6	2,4,6-Tribromophenol	107%		24-148%
4165-60-0	Nitrobenzene-d5	76%		38-129%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
Method:	SW846 8270D SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

ABN TCL List (CLP4.2 list)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
321-60-8	2-Fluorobiphenyl	77%		42-117%
1718-51-0	Terphenyl-d14	111%		14-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
Method:	SW846 8082A SW846 3510C	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G79015.D	1	03/22/13	OPM	03/18/13	OP64531	G2G2621
Run #2							

	Initial Volume	Final Volume
Run #1	670 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.75	0.19	ug/l	
11104-28-2	Aroclor 1221	ND	0.75	0.40	ug/l	
11141-16-5	Aroclor 1232	ND	0.75	0.57	ug/l	
53469-21-9	Aroclor 1242	ND	0.75	0.13	ug/l	
12672-29-6	Aroclor 1248	ND	0.75	0.22	ug/l	
11097-69-1	Aroclor 1254	ND	0.75	0.21	ug/l	
11096-82-5	Aroclor 1260	ND	0.75	0.31	ug/l	
11100-14-4	Aroclor 1268	ND	0.75	0.19	ug/l	
37324-23-5	Aroclor 1262	ND	0.75	0.090	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		27-144%
877-09-8	Tetrachloro-m-xylene	71%		27-144%
2051-24-3	Decachlorobiphenyl	49%		10-139%
2051-24-3	Decachlorobiphenyl	45%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Antimony	< 1.0	1.0	ug/l	2	03/22/13	03/26/13	VC	SW846 6020A [4]	SW846 3010A [6]
Arsenic	< 3.0	3.0	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Barium	< 200	200	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Beryllium	< 1.0	1.0	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Cadmium	< 3.0	3.0	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Calcium	< 5000	5000	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Chromium	< 10	10	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Cobalt	< 50	50	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Copper	< 10	10	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Iron	< 100	100	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Lead	< 3.0	3.0	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Magnesium	< 5000	5000	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Manganese	< 15	15	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Mercury	< 0.20	0.20	ug/l	1	03/23/13	03/23/13	RP	SW846 7470A [2]	SW846 7470A [7]
Nickel	< 10	10	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Potassium	< 10000	10000	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Selenium	< 10	10	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Silver	< 10	10	ug/l	1	03/22/13	03/25/13	ND	SW846 6010C [3]	SW846 3010A [5]
Sodium	< 10000	10000	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Thallium	< 1.0	1.0	ug/l	2	03/22/13	03/26/13	VC	SW846 6020A [4]	SW846 3010A [6]
Vanadium	< 50	50	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]
Zinc	< 20	20	ug/l	1	03/22/13	03/23/13	ND	SW846 6010C [1]	SW846 3010A [5]

(1) Instrument QC Batch: MA30778
(2) Instrument QC Batch: MA30779
(3) Instrument QC Batch: MA30781
(4) Instrument QC Batch: MA30791
(5) Prep QC Batch: MP70643
(6) Prep QC Batch: MP70643A
(7) Prep QC Batch: MP70675

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK 3/13		
Lab Sample ID:	JB31271-4	Date Sampled:	03/13/13
Matrix:	AQ - Field Blank Water	Date Received:	03/13/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent	< 0.010	0.010	mg/l	1	03/14/13 10:12	AD	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	03/23/13 17:14	ND	SW846 6010/7196A M

(a) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK 3/13		
Lab Sample ID:	JB31271-5	Date Sampled:	03/13/13
Matrix:	AQ - Trip Blank Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125892.D	1	03/21/13	CC	n/a	n/a	V1A5416
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	~~ND~~ R	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
108-86-1	Bromobenzene	ND	5.0	0.14	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	~~ND~~ R	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	0.30	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	0.15	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	0.30	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	0.23	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

3/21/2013

Report of Analysis

Client Sample ID:	TRIP BLANK 3/13		
Lab Sample ID:	JB31271-5	Date Sampled:	03/13/13
Matrix:	AQ - Trip Blank Water	Date Received:	03/13/13
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
594-20-7	2,2-Dichloropropane	ND	5.0	0.15	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	0.30	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	0.22	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
74-95-3	Methylene bromide	ND	5.0	0.26	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
91-20-3	Naphthalene	ND	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	0.24	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	0.53	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.36	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	89%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	83%		78-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Appendix B
Chain of Custody
Documents

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 1

2235 Route 130, Dayton, NJ 08810
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FED-EX Tracking #:
Accutest Quote #:
Bottle Order Control #:
Accutest Job #: JB30991

Client / Reporting Information

Company Name: CA Rich Consultants
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Richard Izzo E-mail: RIzzo@carichinc.com
Phone #: 516-576-8844 Fax #: 516-576-0093
Sampler(s) Name(s): Jason Cooper, Michael Yager Phone #:

Project Information

Project Name: Via Verde
Street: Brook Ave
City: Bronx State:
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOC 8260	SVOC 8270	RCRs	TAL Metals Filtered (met chg)	TAL Metals Unfiltered (met chg)	Matrix Codes / LAB USE ONLY
-1F	MW-9		3/11/13	1135	JMY	GW	9	3		1		5				3	2	2	1	1	E30
	MW-7		3/11/13	1240	JMY	GW	9	3		1		5				3	2	2	1	1	A9
-2F	MW-7MS		3/11/13	1240	JMY	GW	9	3		1		5				3	2	2	1	1	C47
	MW-7MSD		3/11/13	1240	JMY	GW	9	3		1		5				3	2	2	1	1	434
-3	Trip Blank					TB	1	1								1					

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB-Field Blank; EB-Equipment Blank; RB- Rinse Blank; TB-Trip Blank

Turnaround Time (Business days)

- [X] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other _____

Emergency & Rush T/A data available VIA Labfax

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

* 24 hr Rex Chrom *

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1		3/11/2013 15:05	Chris Laul	2 Chris Laul	3/11/13 1705	2
3	Relinquished by Sampler:	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5	Custody Seal #	[ ] Intact [ ] Not Intact	Preservation where applicable: On Ice: Cooler Temp: 4.0°C, 4.0°C

2A

JB30991: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB30991 **Client:** CA RICH **Project:** VIA VERDE

Date / Time Received: 3/11/2013 17.05 **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (4/4); #2: (4/4); 0

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Cooler temp verification:	Bar Therm
3. Cooler media:	Ice (Bag)
4. No. Coolers	2

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☐	☑	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☑	☐	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☑	☐

Comments
1. -1 metal volumes include one 500ml HNO3 poly bottle and one 500ml unpreserved poly bottle. It could not be determined if the unpreserved bottle was field filtered or not. Sample mgmt split the 500ml so the lab can have one bottle for total xcr and one bottle for lab filtered xcr. There was no additional poly bottle submitted for dissolved metals so it was noted to use the lab filtered xcr volume sparingly as to preserve what is left for dissolved metals once xcr analysis is completed.

2. -2 has the same issue except that triple (ms/msd) volume was received.

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JB30991: Chain of Custody
Page 2 of 3

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB30991

CSR: M Cordova **Response Date:** 3/13/2013

Response: Action taken is correct. Sample are all to be lab filtered and totals for Metals and XCR 7196A. Client did not order separate XCR bottles and therefore we did not receive them.

5.1 5

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JB30991: Chain of Custody
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GW FB WTB

CHAIN OF CUSTODY

PAGE 1 OF 1

F

ACCUTEST LABORATORIES

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FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JB31271

Client / Reporting Information

Company Name: CA Rich Consultants, Inc.
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Richard Pizzo E-mail: Rpizzo@carichinc.com
Phone #: 516 576 8844 Fax #: 516 576 0093
Sampler(s) Name(s): Mike Yager + Tom Brown Phone #:

Project Information

Project Name: Via Verde
Street: Brook Ave
City: Bronx State: NY
Project #:
Client Purchase Order #:
Project Manager:

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	EnCore	VOC 8260	SVOC 8270	PCB's	TAL Metals Filtered (Hex Chrome)	TAL Metals unFiltered (Hex Chrome)	LAB USE ONLY
-1F	MW-6		3/13/13	13:30	MY/TB	GW	9	3		1		5				3	2	2	1	1	D35
-2F	MW-8		3/13/13	1110	MY/TB	GW	9	3		1		5				3	2	2	1	1	A9
-3F	MW-XX		3/13/13	—	MY/TB	GW	9	3		1		5				3	2	2	1	1	C19
																					472
-4F	Field Blank 3/13		3/13/13		MY/TB	FB	7	2				5				2	2	2		1	
-5	TRip Blank 3/13		3/13/13			TB	2	2								2	#	#			

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

Turnaround Time (Business days)

Approved By (Accutest PM): / Date:

- [ ] Std. 10 Business Days
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] other

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

24hr Hex Chrome
NYS TOGS Detection Limits
* Hex Chrome For Total + Dissolved +
Lab Filtered *

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler: 1	Date Time: 3/13/13 15:30	Received By: 1 Chris Faul	Relinquished By: 2 Chris Faul	Date Time: 3/13/13 1745	Received By: 2		
Relinquished by Sampler: 3	Date Time:	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4		
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #	Intact / Not Intact	Preserved where applicable: X SC	On Ice: X	Cooler Temp. 2.6°C

IB

SIP

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JB31271: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB31271 **Client:** CA Rich Consultants, Inc. **Project:** Via Verde

Date / Time Received: 3/13/2013 17:45 **Delivery Method:** Accutest Courier **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (2.6/2.6): 0

Cooler Security	Y	N		Y	N
1. Custody Seals Present:	☑	☐	3. COC Present:	☑	☐
2. Custody Seals Intact:	☑	☐	4. Smpl Dates/Time OK	☑	☐

Cooler Temperature	Y	N
1. Temp criteria achieved:	☑	☐
2. Cooler temp verification:		
3. Cooler media:		
4. No, Coolers		

Quality Control Preservation	Y	N	N/A
1. Trip Blank present / cooler:	☑	☐	☐
2. Trip Blank listed on COC:	☑	☐	☐
3. Samples preserved properly:	☑	☐	
4. VOCs headspace free:	☑	☐	☐

Sample Integrity - Documentation	Y	N
1. Sample labels present on bottles:	☑	☐
2. Container labeling complete:	☑	☐
3. Sample container label / COC agree:	☑	☐

Sample Integrity - Condition	Y	N
1. Sample recvd within HT:	☑	☐
2. All containers accounted for:	☐	☑
3. Condition of sample:	Intact	

Sample Integrity - Instructions	Y	N	N/A
1. Analysis requested is clear:	☑	☐	
2. Bottles received for unspecified tests	☐	☑	
3. Sufficient volume recvd for analysis:	☐	☑	
4. Compositing instructions clear:	☐	☐	☑
5. Filtering instructions clear:	☐	☐	☑

Comments 1. -1 thru -3 Did not receive separate volumes for Total & Dissolved XCR analysis. 500ml unpreserved poly will be aliquoted for total XCR. Remaining volume will then be filtered and run for dissolved XCR and subsequently preserved for dissolved metals.

2. -4 No collection times on labels or COC.

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JB31271: Chain of Custody
Page 2 of 3

ACCUTEST LABORATORIES

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB31271

CSR: M Cordova **Response Date:** 3/14/2013

Response: 1. That's is the Correct procedure for these samples.
2. Log in 13:30 for time and 3/13 collection.

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JB31271: Chain of Custody
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Appendix C
Case Narratives

ACCUTEST LABORATORIES

2

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: C. A. Rich Consultants **Job No** JB30991

Site: Via Verde, 700-730 Brook Avenue, Bronx, NY **Report Date** 4/4/2013 4:47:23 PM

On 03/11/2013, 2 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB30991 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V3D3623

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB30991-2MS, JB30991-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP64419

- All samples were extracted within the recommended method holding time.
- Sample(s) JB30991-2MS, JB30991-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 4-Chloroaniline are outside control limits for sample OP64419-MSD. Outside control limits due to matrix interference.
- JB30991-2: Confirmation run.
- JB30991-1: Confirmation run.
- OP64419-MB1 for 2-Fluorobiphenyl: Outside of in house control limits.

Extractables by GC By Method SW846 8082A

Matrix: AQ **Batch ID:** OP64424

- All samples were extracted within the recommended method holding time.
- Sample(s) JB30991-2MS, JB30991-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP70451A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB30991-2FMS, JB30991-2FMSD, JB30991-2FSDL, JB30991-2MS, JB30991-2MSD, JB30991-2SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Chromium, Cobalt, Copper, Nickel, Selenium, Vanadium, Zinc, Aluminum are outside control limits for sample MP70451A-SD1, MP70451A-SD2. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 6020A

Matrix: AQ	Batch ID: MP70451

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB30991-2FMS, JB30991-2FMSD, JB30991-2MS, JB30991-2MSD, JB30991-2SDL, JB30991-2FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Thallium, Antimony, Thallium are outside control limits for sample MP70451-SD1, MP70451-SD2. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP70641

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB30991-2FMS, JB30991-2FMSD, JB30991-2MS, JB30991-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: AQ	Batch ID: R121290

- The data for SW846 6010/7196A M meets quality control requirements.
- JB30991-2 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121291

- The data for SW846 6010/7196A M meets quality control requirements.
- JB30991-2F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121292

- The data for SW846 6010/7196A M meets quality control requirements.
- JB30991-1 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121293

- The data for SW846 6010/7196A M meets quality control requirements.
- JB30991-1F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 7196A

Matrix: AQ	Batch ID: GN81268

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB30991-1DUP, JB30991-1FMS, JB30991-1MS, JB30991-1FDUP were used as the QC samples for Chromium, Hexavalent.
- RPD(s) for Duplicate for Chromium, Hexavalent are outside control limits for sample GN81268-D2. RPD acceptable due to low duplicate and sample concentrations.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	C. A. Rich Consultants	**Job No**	JB31271
Site:	Via Verde, 700-730 Brook Avenue, Bronx, NY	**Report Date**	4/4/2013 5:26:36 PM

On 03/13/2013, 3 Sample(s), 1 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.6 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB31271 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** V1A5416

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31378-15MS, JB31378-15MSD were used as the QC samples indicated.
- RPD(s) for MSD for 1,2,4-Trimethylbenzene, 1,2-Dichloroethane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromobenzene, Methylene bromide, Naphthalene are outside control limits for sample JB31378-15MSD. Outside control limits due to matrix interference.

Matrix: AQ **Batch ID:** V1A5417

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB31501-1MS, JB31501-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP64567

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31517-4MS, JB31517-4MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol are outside control limits. Outside control limits due to matrix interference.
- OP64567-BS1 for Caprolactam: Outside of in house control limits, but within reasonable method recovery limits.

Extractables by GC By Method SW846 8082A

Matrix: AQ **Batch ID:** OP64531

- All samples were extracted within the recommended method holding time.
- Sample(s) JB31271-1MS, JB31271-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: AQ	Batch ID: MP70618

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31271-1MS, JB31271-1MSD, JB31271-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cobalt, Lead, Silver, Zinc are outside control limits for sample MP70618-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ	Batch ID: MP70643

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- MP70643-MB1 for Beryllium: All reported results <RL or >10x MB value.

Metals By Method SW846 6020A

Matrix: AQ	Batch ID: MP70618A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31271-1MS, JB31271-1MSD, JB31271-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Antimony, Thallium are outside control limits for sample MP70618A-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Matrix: AQ	Batch ID: MP70643A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP70675

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31271-2MS, JB31271-2MSD were used as the QC samples for metals.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: AQ	Batch ID: R121284

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-1 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121285

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-2 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121286

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-3 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121287

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-1F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121288

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-2F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121289

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-3F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R121318

- The data for SW846 6010/7196A M meets quality control requirements.
- JB31271-4 for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 7196A

Matrix: AQ	Batch ID: GN81454

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31271-1FDUP, JB31271-1FMS, JB31271-1MS, JB31271-1DUP were used as the QC samples for Chromium, Hexavalent.
- RPD(s) for Duplicate for Chromium, Hexavalent are outside control limits for sample GN81454-D1. RPD acceptable due to low duplicate and sample concentrations.
- JB31271-3 for Chromium, Hexavalent: Analysis done out of holding time.
- JB31271-3F for Chromium, Hexavalent: Analysis done out of holding time.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover