Quarterly Monitoring Report
Second Quarter 2013

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

August 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

August 13, 2013

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

Attn: Jane O'Connell

Re: **Quarterly Monitoring Report**
2nd Quarter 2013 Groundwater Sampling
Via Verde
700-730 Brook Avenue, Bronx, NY
BCP Site ID: C203043

Dear Ms. O'Connell:

CA RICH Consultants, Inc. is pleased to present the Quarterly Monitoring Report for the Second Quarter 2013 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 Second Quarter round of groundwater sampling on June 3rd and 4th 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 51.8 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 2nd 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 magnesium, manganese, selenium and sodium at levels in excess of TOGS Standards.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon our review of the analytical results from the 2nd 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 next scheduled sampling event in December 2013.

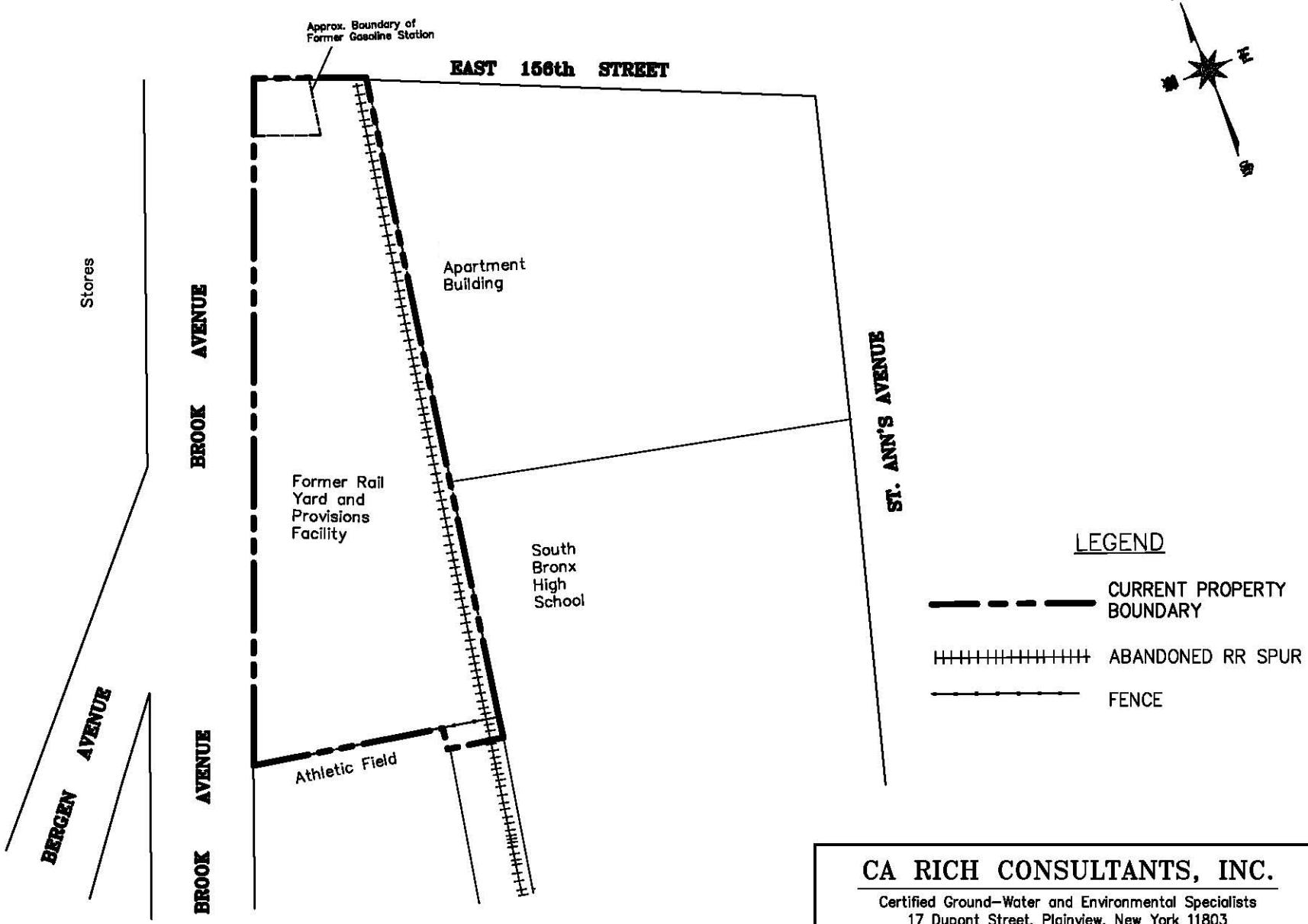
REFERENCES

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

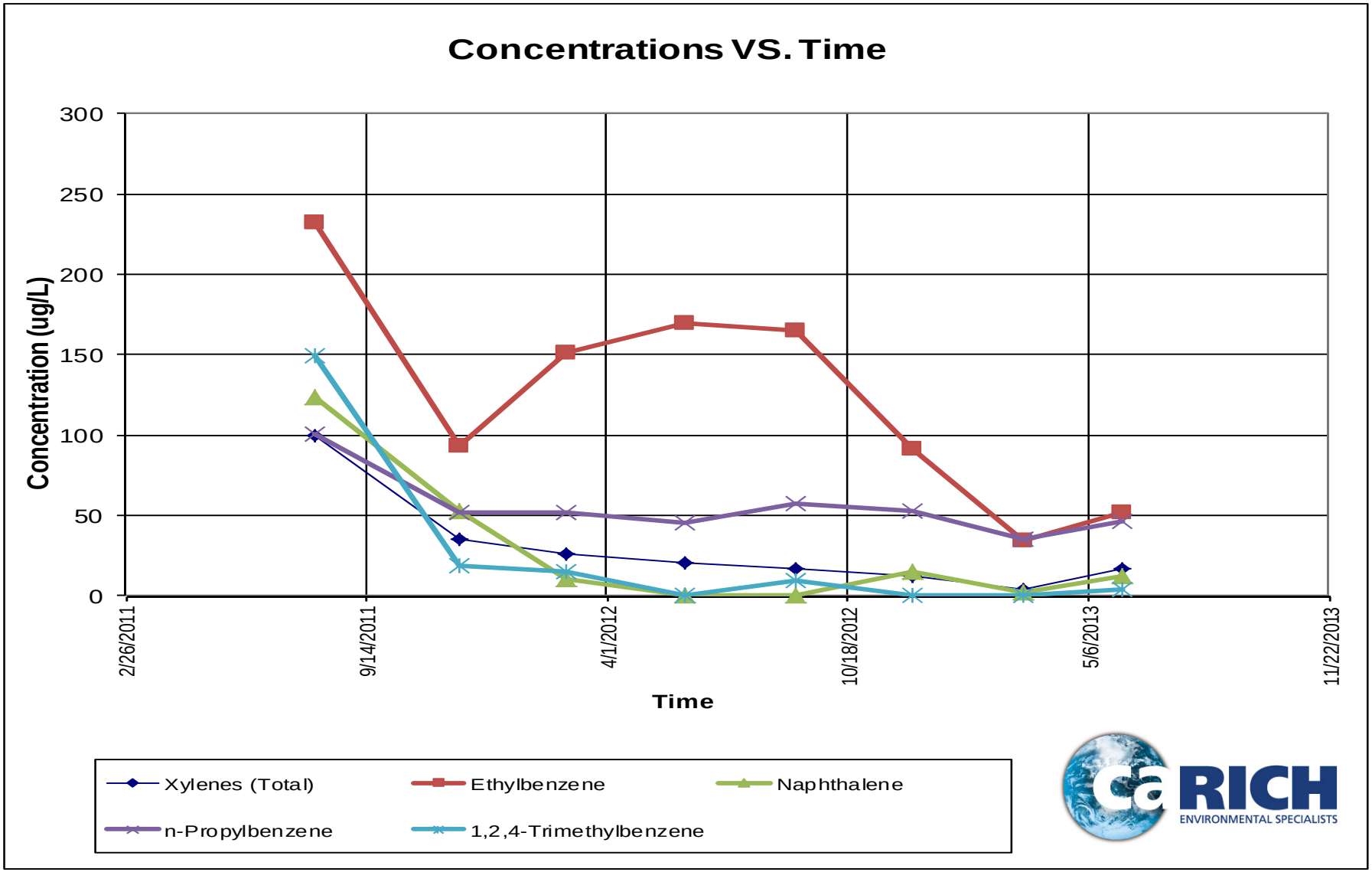
Via Verde
New Housing New York Legacy
700–730 Brook Avenue
Bronx, New York

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



RICH ENVIRONMENTAL SPECIALISTS

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	NYSDEC
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	liquid	TOGs*
Date Sampled	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	6/3/2013	
Volatile Organic Compounds								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	ND	ND	ND	4.1 J	ND	ND	ND	50
Benzene	ND	ND	**8.5**	ND	**8.3**	ND	ND	1
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	1.2	ND	ND	ND	ND	ND	ND	50
Bromoform	ND	ND	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND R	ND R	10.8 J	ND R	13.2 J	ND R	ND R	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	ND	ND	**5.2**	ND	**5.2**	ND	ND	5
tert-Butylbenzene	ND	ND	1.3 J	ND	1.2 J	ND	ND	5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	**18.6**	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	ND	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	0.04
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	0.4
Ethylbenzene	ND	ND	**51.8**	ND	**52.4**	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	**28.5**	ND	**28.3**	ND	ND	5
p-Isopropyltoluene	ND	ND	0.63 J	ND	0.62 J	ND	ND	5
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	10
4-Methyl-2-pentanone(MIBK)	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	**12.0**	ND	**12.0**	ND	ND	10
n-Propylbenzene	ND	ND	**46.6**	ND	**46.3**	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	5
Toluene	ND	ND	4.9	ND	4.9	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trimethylbenzene	ND	ND	4.2	ND	4.3	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	1.1 J	ND	1.1 J	ND	ND	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	2
m,p-Xylene	ND	ND	**15.3**	ND	**15.8**	ND	ND	5
o-Xylene	ND	ND	1.4	ND	1.5	ND	ND	5
Xylene (total)	ND	ND	**16.8**	ND	**17.3**	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

R-cannot be verified

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	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	
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	ND	ND	ND	ND	ND	10
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	1
3&4-Methylphenol	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	ND	ND	ND	ND	ND	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	0.52 J	ND	UJ	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
Benzaldehyde	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	0.002
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	NVG
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	0.002
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	NVG
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	50
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	5
1,1'-Biphenyl	ND	ND	ND	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	10
4-Chloroaniline	UJ	ND	UJ	ND	UJ	UJ	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 phenyl ether	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-butyl phthalate	ND	ND	ND	ND	ND	ND	50
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	50
Diethyl phthalate	ND	ND	ND	ND	ND	ND	50
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	ND	ND	ND	0.81 J	ND	ND	5
Fluoranthene	ND	ND	UJ	ND	0.58 J	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	ND	ND	ND	ND	ND	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	ND	ND	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	1.8	6.4 J	1.4	1.5 J	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	UJ	ND	0.48 J	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-Not detected, approx. quantitation limit

**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	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-XX****	**Field Blank**	**NYSDEC TOGS*****
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	
Date Sampled	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	
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	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	
Total Metals Filtered							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	<200	<200	<200	<200	<200	<200	NVG
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Arsenic	<3.0	<3.0	4.2	<3.0	5.9	<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	25,100	121,000	145,000	119,000	141,000	<5,000	NVG
Chromium	<10	<10	<10	<10	<10	<10	50
Cobalt	<50	<50	<50	<50	<50	<50	NVG
Copper	<10	<10	<10	<10	<10	<10	200
Iron	<100	<100	179 J	<100	209	<100	300
Lead	<3.0	<3.0	3.8 J	<3.0	<3.0 UJ	<3.0	25
Magnesium	<5,000	24,200	**36,800**	8,920	**36,300**	<5,000	35,000
Manganese	<15	49.0	**3,160**	**782**	**3,220**	<15	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.7
Nickel	<10	<10	16.1	86.4	15.1	<10	100
Potassium	<10,000	<10,000	<10,000	12,700	<10,000	<10,000	NVG
Selenium	<10	<10	**28.5 J**	<10	<10 UJ	<10	10
Silver	<10	<10	<10	<10	<10	<10	50
Sodium	19,500	**66,200**	**87,700**	**96,700**	**95,000**	<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	<20	<20	<20	<20	<20	<20	2,000
Chromium, Hexavalent	<0.010	<0.010	<0.010	<0.010	<0.010 R	<0.010 a	50
Chromium, Trivalent	<0.020 c	<0.020 c	<0.020 c	<0.020 c	<0.020 c	<0.020 c	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- not detected, approx. quantitation limit

a - analyzed from non-filtered sample

R- 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

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

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-U

Location: (Site/Facility Name) Vista Verde
Date: 8/3/13
Sampling Personnel: MY & TB
Weather: Rainy
Identify Measuring Point (MP):
Well ID: MW-U
Static Depth to Water (Prior to installing pump) 22.20

Depth to: ____ / ____ of screen
(Below MP) Top Bottom
Pump Intake at (ft. below MP)
Well Diameter:
Purging Device: (Pump type)
Purge Start Time: 1000 Purge End Time: 1100
Sample Start Time: 1105 Sample End Time:

Clock Time	Water Depth Below MP	Pump Dial [1]	Purge Rate	Cum. Volume Purged	Temp.	Spec. Conduct.[2]	pH	ORP/Eh[3]	DO	Turbidity	Comments
24 HR	FT		ml/min	Liters	°C	uS/cm		mv	mg/L	NTU	
Tolerance	**0.33 ft**				**3%**	**3%**	**± 0.1**	**± 10**	**± 0.3**	**10%**	
1030	24.95	9.3	100		19.88	0.232	6.55	130	7.46	629	
1035	24.96				19.57	0.240	6.46	136	7.46	526	
1040	25.10				19.46	0.246	6.43	138	7.17	387	
1045	25.15				19.45	0.251	6.42	139	6.59	302	
1050	25.20				19.45	0.254	6.42	139	6.31	282	
1055	25.25				19.43	0.257	6.45	137	6.18	259	
1100	25.50			2gal	19.38	0.260	6.46	137	6.08	245	

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)

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

MW-8 MW-XX

Location: (Site/Facility Name) Via Verde
Date: 6/3/13
Sampling Personnel: MY & TB
Weather: 70s Rainy
Identify Measuring Point (MP):
Well ID: MW-8
Static Depth to Water (Prior to installing pump) 22.35

Depth to: ____ / ____ of screen
(Below MP) Top Bottom
Pump Intake at (ft. below MP)
Well Diameter:
Purging Device: (Pump type) i
Purge Start Time: 756 Purge End Time:
Sample Start Time: 1015 Sample End Time:

Clock Time	Water Depth Below MP	Pump Dial [1]	Purge Rate	Cum. Volume Purged	Temp.	Spec. Conduct.[2]	pH	ORP/Eh[3]	DO	Turbidity	Comments
24 HR	FT		ml/min	Liters	°C	uS/cm		mv	mg/L	NTU	
Tolerance	0.33 ft				3%	3%	± 0.1	± 10	± 0.3	10%	
0825	24.55	9.5	125	1gal	20.41	1.33	6.72	-168	3.96	718	
0830	24.60	9.5	150		20.41	1.32	6.45	-149	3.81	315	
0835	25.25	9.5	150		20.40	1.31	6.29	-136	3.72	253	
0840	25.35	9.5	140		20.41	1.30	6.31	-135	3.62	256	
0845	25.50	9.5	130		20.47	1.30	6.32	-133	3.52	248	

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)

Begin sampling @ 0850

Static DTW = 22.35

pump on 756
pump off

Purge rate; 125 ml/min

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

Location: (Site/Facility Name) Via Verde
Date: 6/4/13
Sampling Personnel: SC | TB
Weather: Sunny 75°
Identify Measuring Point (MP): Top of Casing (North)
Well ID: MW 9
Static Depth to Water (Prior to installing pump) 21.54

Depth to: (Below MP) Top / 33.75 Bottom of screen
Pump Intake at (ft. below MP) 30'
Well Diameter: 2"
Purging Device: (Pump type) mini-mon Sonq
Purge Start Time: 1055
Sample Start Time: 1132
Purge End Time: 1130
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%	
1056	22.40	9.5	~50				9.29				
1100	22.90	10.4	50		24.17	1.13	[illegible]	-123	3.41	504	
1105	22.94	10.4	~50		23.55	1.12	7.53	-172	2.93	460	
1110	22.94	10.5	50		22.09	1.11	7.27	-164	2.97	433	
1115	22.94	10.5	50		22.31	1.12	7.19	-159	2.98	353	
1120	24.12	10.5	50		21.85	1.11	7.15	-170	2.81	266	
1125	24.13	10.5	50		21.46	1.11	7.13	-180	2.58	270	
1130	24.11	10.5	50		21.27	1.10	7.16	-174	2.56	237	
1135											

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)

MW-7

RICH ENVIRONMENTAL SPECIALISTS

Water Quality Measurement Log

Location: (Site/Facility Name) Via Verde
Date: 6/4/13
Sampling Personnel: JC HB
Weather: Sunny 70°F
Identify Measuring Point (MP): Top of Casing (North)
Well ID: MW-7
Static Depth to Water (Prior to installing pump) 21.56

Depth to: (Below MP) Top / 31.22 Bottom of screen
Pump Intake at (ft. below MP) 28'
Well Diameter: 2"
Purging Device: (Pump type) mini-monsoon
Purge Start Time: 0755 Purge End Time: 0905
Sample Start Time: 0906 Sample End Time: 1045

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%	
0755	21.56	9.6	250								
0830	21.63	9.5	300		18.79	1.01	6.59	113	4.14	173	
0835	21.63	9.5	300		18.60	1.02	6.45	93	3.85	127	
0840	21.63	9.5	300		18.67	1.02	6.38	78	3.70	87.6	
845	21.63	9.5	300		18.66	1.02	6.35	70	3.55	69.9	
850	21.63	9.5	300		18.90	1.02	6.35	63	3.30	53.7	
0855	21.63	9.5	300		19.03	1.03	6.36	62	3.20	48.0	
0900	21.63	9.5	300		19.13	1.03	6.36	62	3.07	38.7	
0905	21.63	9.5	300		19.20	1.03	6.37	62	3.02	33.6	

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)

MW-6 - 21.83 (P)
MW-7 - 21.56
MW-8 - 22.62
MW-9 - 21.54

Static DTW 6/4/13

MS & MSD Collected from MW-7

GW FB WTB

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 1 PW

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

FED-EX Tracking # 7999-0380-3536 | Bottle Order Control #
Accutest Quote # | Accutest Job # JB 38641

Client / Reporting Information

Company Name: CA Rich Consultants, Inc.
Street Address: 17 Dupont St
City: Plainview, State: NY, Zip: 11803
Project Contact: Rich Fazio, E-mail: rfazio@carichinc.com
Phone #: 5165768844, Fax #: 5165760093
Sampler(s) Name(s): M. Yager + T. 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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs 8260	SVOC 8270	TAL metals Filtered	Hex Chrome + Tri. Chrome Filtered	PCBs	LAB USE ONLY
-1	MW-6		6/3/13	1220	MY/TB	GW	9	3				6				X	X	X	X	X	D27
-2	MW-8		6/3/13	1015	MY/TB	GW	9	3				6				X	X	X	X	X	C11
-3	MW-XX		6/3/13	—	MY/TB	GW	9	3				6				X	X	X	X	X	C45
-4	Field Blank 6/13		6/03/13	1230	MY/TB	FB	8	2				6				X	X	X		X	2196
-5	Trip Blank 6/13		6/3/13	—		TB	1	1								X					

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
Oil - 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 Labilink

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

24hr Hex Chrome
NYS TOGS Detection Limits
* Hex Chrome + TAL metals dissolved only - Lab Filtered *

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		6/3/13 1:30	FedEX	FEDEX	6-4-13 945	
2						
3						
4						
5						

Custody Seal # 788 [ ] Intact [ ] Not Intact — Could not read.
Preserved where applicable [ ] On Ice [ ] Cooler Temp. 2.0 3.0 B

ACCUTEST LABORATORIES

GW

CHAIN OF CUSTODY

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

7999 1586 4325 PAGE 1 OF 1

PN/E

FED-EX Tracking # 7999 1586 4369 | Bottle Order Control #
Accutest Quote # | Accutest Job # JB38761

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 Thomas Brown Phone #:

Project Information

Project Name: Via Verde
Street: Brook Avenue
City: Bronx State:
Project #: Post Rem. GWS
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	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VOCs 8260	SVOC 8270	TAL Metals	Hex & Tri Chrome Filtered	PCBs
	MW-7		6/4/13	1045	SB/TB	GW	3					6				X	X	X	X	X
1	MW-7MS		6/4/13	1045	SB/TB	GW	3					6				X	X	X	X	X
	MW-7MSD		6/4/13	1045	SB/TB	GW	3					6				X	X	X	X	X
2	MW-9		6/4/13		SB/TB	GW	3					6				X	X	X	X	X
	Trip Blank					TB	1									X				

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

LAB USE ONLY: E23 C11 644 2199G

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 Lablink

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 hex Chrome
NYS TOGS Detection Limits
* Hex Chrome & TAL Metals dissolved only - Lab filtered

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

Relinquished by Sampler: 1	Date Time: 6/4/13 2:00	Received By: Fed Ex	Relinquished By: 2 FEDX	Date Time: 6/5/13 945	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 # 7841 + 7860	[X] Intact [ ] Not intact	Preserved where applicable [ ]	On Ice [X]	Cooler Temp. 3.0 2.0

IB

IB (R)

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 (Dissolved) BY ICP/CV
And Dissolved HEXAVALENT CHROMIUM
BY CLASSICAL WET CHEMISTRY TECHNIQUES

For Groundwater Samples Collected
June 03, 2013 and June 04, 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:
JB38641 and JB38761
BY ACCUTEST LABORATORIES (ELAP #10983)

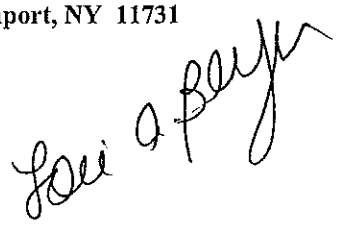
SUBMITTED TO:

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

August 09, 2013

PREPARED BY:

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



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

700-730 Brook Avenue, Bronx – Via Verde; Groundwater Samples; June 2013 (Q2) Sampling Event Data Usability Summary Report (Data Validation): TCL Volatiles, TCL Semivolatiles, PCBs, TAL Metals (Dissolved) and Hexavalent Chromium (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 June 03, 2013 and June 04, 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 (Dissolved) and Hexavalent Chromium (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-6	JB38641-1, JB38641-1F	Groundwater	06/03/13	06/04/13
MW-8	JB38641-2, JB38641-2F	Groundwater	06/03/13	06/04/13
MW-XX (Duplicate of MW-8)	JB38641-3, JB38641-3F	Groundwater	06/03/13	06/04/13
Field Blank 6/3	JB38641-4, JB38641-4F	Aqueous	06/03/13	06/04/13
Trip Blank 6/3	JB38641-5	Aqueous	06/03/13	06/04/13
MW-7 (plus MS/MSD)	JB38761-1, JB38761-1D, JB38761-1F, JB38761-1FD, JB38761-1FS, JB38761-1S	Groundwater	06/04/13	06/05/13
MW-9	JB38761-2, JB38761-2F	Groundwater	06/04/13	06/05/13

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.

D - Indicates the analyte concentration is from diluted analysis.

Sample Receipt:

The Chain of Custody document indicates that the samples were received at Accutest Laboratories via Federal Express on 06/04/13 and 06/05/13 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 2-Butanone non-detects in all samples 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 with the exception of high 1,1,2,2-Tetrachloroethane applicable to MW-6, Field Blank and Trip Blank. Since this compound was not detected in associated sample analysis, 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 05/23/13 GCMS1C – Non-detects for and 2-Butanone (0.049) were rejected, "R" in MW-6, Field Blank and Trip Blank. The laboratory reported concentrations of 2-Butanone in MW-8 and the field duplicate (MW-XX) must be considered estimated, "J."

CCAL 06/08/13 GCMS1C – 2-Butanone (0.043); reported hits in MW-8 and MW-XX are estimated, "J."

ICAL 05/28/13 GCMSY – Non-detects for 2-Butanone (0.042) were rejected, "R" in MW-7 and MW-9.

CCAL 06/06/13 GCMS3Y – 2-Butanone (0.043). Non-detects were previously rejected, "R" due to low ICAL response in MW-7.

CCAL 06/12/13 GCMS3Y – 2-Butanone (0.038). Non-detects were previously rejected, "R" due to low ICAL response in MW-9.

***2-Butanone is a poor responder as documented by the EPA.**

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
Benzene	**8.5**	**8.3**
2-Butanone	**10.8**	**13.2**
Sec-Butylbenzene	**5.2**	**5.2**
Tert-Butylbenzene	**1.3**	**1.2**
Ethylbenzene	**51.8**	**52.4**
Isopropylbenzene	**28.5**	**28.3**
p-Isopropyltoluene	**0.63**	**0.62**
Naphthalene	**12.0**	**12.0**
n-Propylbenzene	**46.6**	**46.3**
Toluene	**4.9**	**4.9**
1,2,4-Trimethylbenzene	**4.2**	**4.3**
1,3,5-Trimethylbenzene	**1.1**	**1.1**
M,p-Xylene	**15.3**	**15.8**
o-Xylene	**1.4**	**1.5**
Xylene (total)	**16.8**	**17.3**

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.

Acetone was detected in MW-9. This common laboratory contaminant could not be negated in the sample since it was not detected in any of the method, field or trip blanks. The end user should proceed with caution when making decisions based on Acetone detections at levels consistent with laboratory contamination values.

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 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.

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.

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 with the exception of 4-Chloroaniline which recovered low (41%) in the blank spike applicable to MW-6, MW-8, MW-XX and the Field Blank. Non-detects have been qualification, "UJ." No additional 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.

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

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. Low level hits were detected for Acenaphthene in MW-8 but not the duplicate and low levels of Fluoranthene and Pyrene were detected in the duplicate but not in the original sample. The laboratory reported hits and non-detects in MW-8 and MW-XX must be considered estimated, "J/UJ" for these compounds.

Naphthalene was detected in MW-8 at 6.4 ug/L and in the duplicate at a lower concentration of 1.5 ug/L. Again, results must be considered estimated, "J." It is recommended that the higher value be utilized for decision making purposes.

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.

Low level Bis (2-ethylhexyl) phthalate was detected in MW-9 (0.81 ug/L). This common laboratory contaminant could not be negated in this sample since the compound was not detected in the method or Field Blank.

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-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 (Dissolved) by ICP/Cold Vapor SW846 Methods 6010/7471

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. 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 filtered upon receipt and and analyzed for Dissolved 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 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 JB38641:
Aqueous MS/MSD was performed on MW-8 for dissolved metals. Analysis resulted in acceptable recovery values for all elements. Acceptable RPD was observed.

SDG JB38761:
Aqueous MS/MSD analysis was conducted on MW-6 for dissolved metals Analysis resulted in acceptable recovery values and RPD for all elements for both total and dissolved analysis.

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-6 and MW-7. Acceptable RPD values were obtained for all elements.

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

A summary of detected concentrations in ppb is listed below:

Dissolved Metals:

	MW-8	MW-XX (Duplicate)
Arsenic	4.2	5.9
Calcium	145000	141000
Iron	179	209
Lead	3.8	<3.0
Magnesium	36800	36300
Manganese	3160	3220
Nickel	16.1	15.1
Selenium	28.5	<10
Sodium	87700	95000

Lead and Selenium must be considered estimated "J/UJ" in the 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 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 with the exception of Iron in MW-8. Results for this element have been qualified, "J."

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.

5.0 General Chemistry Analysis

Groundwater samples were analyzed for Hexavalent (SW846 Method 7196) and Trivalent Chromium (determined by calculation) - Dissolved. Samples were filtered upon receipt at the laboratory. The groundwater results were considered to be valid and usable with the exception of non-detects in MW-XX due to holding time exceedence 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 were performed within 24 hours of collection as required by the method with the exception of MW-XX. Non-detects have been rejected, "R."

***Note: Dissolved Chromium was not detected in the metals analysis for this sample and therefore if there is no "total" chromium in the dissolved sample at 10 ug/L, then no chromium can be in the hexavalent form. Additionally, MW-8 was analyzed within holding time and no hexavalent chromium was detected.**

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.

Field Blank analysis was conducted on the unfiltered sample.

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. Acceptable precision was observed.

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 Lori A. Beyer **Date** 08/09/13

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 Matrix Date Sampled	MW-6 groundwater 6/3/2013	MW-7 groundwater 6/4/2013	MW-8 groundwater 6/3/2013	MW-9 groundwater 6/4/2013	MW-XX** groundwater 6/3/2013	Field Blank liquid 6/3/2013	Trip Blank liquid 6/3/2013	NYSDEC TOGs*
Volatile Organic Compounds								
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Acetone	ND	ND	ND	4.1 J	ND	ND	ND	50
Benzene	ND	ND	**8.5**	ND	**8.3**	ND	ND	1
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	5
Bromodichloromethane	1.2	ND	ND	ND	ND	ND	ND	50
Bromoform	ND	ND	ND	ND	ND	ND	ND	50
Bromomethane	ND	ND	ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND R	ND R	10.8 J	ND R	13.2 J	ND R	ND R	50
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	5
sec-Butylbenzene	ND	ND	**5.2**	ND	**5.2**	ND	ND	5
tert-Butylbenzene	ND	ND	1.3 J	ND	1.2 J	ND	ND	5
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND	ND	5
Chloroform	**18.6**	ND	ND	ND	ND	ND	ND	7
Chloromethane	ND	ND	ND	ND	ND	ND	ND	NVG
o-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	0.04
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	ND	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	ND	ND	ND	ND	0.4
Ethylbenzene	ND	ND	**51.8**	ND	**52.4**	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	**28.5**	ND	**28.3**	ND	ND	5
p-Isopropyltoluene	ND	ND	0.63 J	ND	0.62 J	ND	ND	5
Methyl Tert Butyl Ether	ND	ND	ND	ND	ND	ND	ND	10
4-Methyl-2-pentanone(MIBK)	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	ND	ND	ND	ND	NVG
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	5
Naphthalene	ND	ND	**12.0**	ND	**12.0**	ND	ND	10
n-Propylbenzene	ND	ND	**46.6**	ND	**46.3**	ND	ND	5
Styrene	ND	ND	ND	ND	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	5
Toluene	ND	ND	4.9	ND	4.9	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	5
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	5
1,1,2-Trichloroethane	ND	ND	ND	ND	ND	ND	ND	1
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	5
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	5
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	0.04
1,2,4-Trimethylbenzene	ND	ND	4.2	ND	4.3	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	1.1 J	ND	1.1 J	ND	ND	5
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	2
m,p-Xylene	ND	ND	**15.3**	ND	**15.8**	ND	ND	5
o-Xylene	ND	ND	1.4	ND	1.5	ND	ND	5
Xylene (total)	ND	ND	**16.8**	ND	**17.3**	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

8/8/13

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	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	
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	ND	ND	ND	ND	ND	10
4,6-Dinitro-o-cresol	ND	ND	ND	ND	ND	ND	NVG
2-Methylphenol	ND	ND	ND	ND	ND	ND	1
3&4-Methylphenol	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	ND	ND	ND	ND	ND	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	0.52 J	ND	ND UJ	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
Benzaldehyde	ND	ND	ND	ND	ND	ND	0.002
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	0.002
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	NVG
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	0.002
Benzo(k)fluoranthene	ND	ND	ND	ND	ND	ND	NVG
4-Bromophenyl phenyl ether	ND	ND	ND	ND	ND	ND	50
Butyl benzyl phthalate	ND	ND	ND	ND	ND	ND	5
1,1'-Biphenyl	ND	ND	ND	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	ND	ND	ND	10
4-Chloroaniline	ND UJ	ND	ND UJ	ND	ND UJ	ND UJ	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 phenyl ether	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-butyl phthalate	ND	ND	ND	ND	ND	ND	50
Di-n-octyl phthalate	ND	ND	ND	ND	ND	ND	50
Diethyl phthalate	ND	ND	ND	ND	ND	ND	50
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	ND	ND	ND	0.81 J	ND	ND	5
Fluoranthene	ND	ND	ND UJ	ND	0.58 J	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	ND	ND	ND	ND	ND	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	ND	ND	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	1.8	6.4 J	1.4	1.5 J	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 UJ	ND	0.48 J	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

8/7/13

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
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	TOGS***
Date Sampled	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	
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
Matrix	groundwater	groundwater	groundwater	groundwater	groundwater	liquid	TOGS*
Date Sampled	6/3/2013	6/4/2013	6/3/2013	6/4/2013	6/3/2013	6/3/2013	
Total Metals Filtered							
Units	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
Aluminum	<200	<200	<200	<200	<200	<200	NVG
Antimony	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	3
Arsenic	<3.0	<3.0	4.2	<3.0	5.9	<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	25,100	121,000	145,000	119,000	141,000	<5,000	NVG
Chromium	<10	<10	<10	<10	<10	<10	50
Cobalt	<50	<50	<50	<50	<50	<50	NVG
Copper	<10	<10	<10	<10	<10	<10	200
Iron	<100	<100	179 J	<100	209	<100	300
Lead	<3.0	<3.0	3.8 J	<3.0	<3.0 UJ	<3.0	25
Magnesium	<5,000	24,200	**36,800**	8,920	**36,300**	<5,000	35,000
Manganese	<15	49.0	**3,160**	**782**	**3,220**	<15	300
Mercury	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.7
Nickel	<10	<10	16.1	86.4	15.1	<10	100
Potassium	<10,000	<10,000	<10,000	12,700	<10,000	<10,000	NVG
Selenium	<10	<10	**28.5** J	<10	<10 UJ	<10	10
Silver	<10	<10	<10	<10	<10	<10	50
Sodium	19,500	**66,200**	**87,700**	**96,700**	**95,000**	<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	<20	<20	<20	<20	<20	<20	2,000
Chromium, Hexavalent	<0.010	<0.010	<0.010	<0.010 ~~b~~ R	<0.010 ~~d~~ R	<0.010 a	50
Chromium, Trivalent	<0.020 c	<0.020 c	<0.020 c	<0.020 c	<0.020 c	<0.020 c	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 - analyzed from non-filtered sample

~~b - Analysis done out of holding time~~ TB

**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)

d- Analysis done out of holding time as per client request

Boxed and bold indicates exceedance of groundwater standards or guidance values

8/9/13

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB38641-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	1C116997.D	1	06/06/13	TYG	n/a	n/a	V1C5184
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	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	1.2	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	18.6	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

7/8/13

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB38641-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	96%		80-119%
17060-07-0	1,2-Dichloroethane-D4	102%		74-122%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	92%		76-116%

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:	JB38641-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	F25027.D	1	06/16/13	NAP	06/05/13	OP66558	EF5253
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	22	19	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.2	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	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	ND	1.1	0.30	ug/l	
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 UJ	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

8/7/13

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB38641-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	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	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	1.9	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	0.33	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	40%		10-110%
4165-62-2	Phenol-d5	27%		10-110%
118-79-6	2,4,6-Tribromophenol	75%		29-143%
4165-60-0	Nitrobenzene-d5	94%		31-130%

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:	JB38641-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	90%		35-120%
1718-51-0	Terphenyl-d14	86%		14-152%

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:	JB38641-1	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	EF120966.D	1	06/11/13	JR	06/05/13	OP66554	GEF4776
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.43	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.096	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		25-143%
877-09-8	Tetrachloro-m-xylene	85%		25-143%
2051-24-3	Decachlorobiphenyl	69%		10-134%
2051-24-3	Decachlorobiphenyl	64%		10-134%

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:	JB38641-1F	**Date Sampled:**	06/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/04/13
		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	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Calcium	25100	5000	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Magnesium	< 5000	5000	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/13/13	06/13/13	DP	SW846 7470A [3]	SW846 7470A [6]
Nickel	< 10	10	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Sodium	19500	10000	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	06/07/13	06/11/13	JY	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA31416
(2) Instrument QC Batch: MA31431
(3) Instrument QC Batch: MA31440
(4) Prep QC Batch: MP72450
(5) Prep QC Batch: MP72450A
(6) Prep QC Batch: MP72562

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB38641-1F	**Date Sampled:**	06/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/04/13
		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	06/04/13 10:58	MET	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	06/11/13 17:16	JY	SW846 6010/7196A M

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB38641-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	1C117113.D	1	06/08/13	MD	n/a	n/a	V1C5189
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		10	3.3	ug/l	
71-43-2	Benzene	8.5		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)	10.8	J	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND		5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	5.2		5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	1.3		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

7/30/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB38641-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	51.8	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	28.5	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	0.63	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	12.0	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	46.6	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	4.9	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	4.2	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.1	2.0	0.36	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	15.3	1.0	0.42	ug/l	
95-47-6	o-Xylene	1.4	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	16.8	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-119%
17060-07-0	1,2-Dichloroethane-D4	97%		74-122%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	91%		76-116%

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:	JB38641-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	F25000.D	1	06/16/13	KLS	06/05/13	OP66558	EF5252
Run #2							

	Initial Volume	Final Volume
Run #1	880 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	5.7	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.7	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.7	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.7	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	23	19	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	23	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.3	1.2	ug/l	
	3&4-Methylphenol	ND	2.3	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.7	1.7	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.9	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.6	ug/l	
108-95-2	Phenol	ND	2.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.7	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.7	1.5	ug/l	
83-32-9	Acenaphthene	0.52	1.1	0.30	ug/l	J
208-96-8	Acenaphthylene	ND	1.1	0.26	ug/l	
98-86-2	Acetophenone	ND	2.3	0.32	ug/l	
120-12-7	Anthracene	ND	1.1	0.33	ug/l	
1912-24-9	Atrazine	ND	5.7	0.55	ug/l	
100-52-7	Benzaldehyde	ND	5.7	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.26	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.52	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.37	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.58	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.3	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.3	0.33	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.34	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.3	0.34	ug/l	
106-47-8	4-Chloroaniline	ND UJ	5.7	0.60	ug/l	
86-74-8	Carbazole	ND	1.1	0.41	ug/l	
105-60-2	Caprolactam	ND	2.3	0.78	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

7/8/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB38641-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	0.33	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.3	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.3	0.35	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.3	0.52	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.3	0.35	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.3	0.48	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.3	0.52	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.7	0.41	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.43	ug/l	
132-64-9	Dibenzofuran	ND	5.7	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.3	0.63	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.3	0.35	ug/l	
84-66-2	Diethyl phthalate	ND	2.3	0.37	ug/l	
131-11-3	Dimethyl phthalate	ND	2.3	0.32	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.3	0.67	ug/l	
206-44-0	Fluoranthene	ND UJ	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	11	8.1	ug/l	
67-72-1	Hexachloroethane	ND	2.3	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	2.3	0.31	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.44	ug/l	
88-74-4	2-Nitroaniline	ND	5.7	1.3	ug/l	
99-09-2	3-Nitroaniline	ND	5.7	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.7	1.9	ug/l	
91-20-3	Naphthalene	6.4 J	1.1	0.29	ug/l	
98-95-3	Nitrobenzene	ND	2.3	0.48	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.3	0.34	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.7	0.35	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.33	ug/l	
129-00-0	Pyrene	ND UJ	1.1	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		10-110%
4165-62-2	Phenol-d5	22%		10-110%
118-79-6	2,4,6-Tribromophenol	60%		29-143%
4165-60-0	Nitrobenzene-d5	86%		31-130%

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

7/13

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB38641-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	84%		35-120%
1718-51-0	Terphenyl-d14	72%		14-152%

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:	JB38641-2	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	EF120967.D	1	06/11/13	JR	06/05/13	OP66554	GEF4776
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.43	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.096	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		25-143%
877-09-8	Tetrachloro-m-xylene	61%		25-143%
2051-24-3	Decachlorobiphenyl	50%		10-134%
2051-24-3	Decachlorobiphenyl	48%		10-134%

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:	JB38641-2F	**Date Sampled:**	06/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/04/13
		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	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Arsenic	4.2	3.0	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Calcium	145000	5000	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Copper	< 10 J	10	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Iron	179 J	100	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Lead	3.8 J	3.0	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Magnesium	36800	5000	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Manganese	3160	15	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/13/13	06/13/13	DP	SW846 7470A [3]	SW846 7470A [6]
Nickel	16.1	10	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Selenium	28.5 J	10	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Sodium	87700	10000	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	06/07/13	06/11/13	ND	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA31410
(2) Instrument QC Batch: MA31431
(3) Instrument QC Batch: MA31440
(4) Prep QC Batch: MP72450
(5) Prep QC Batch: MP72450A
(6) Prep QC Batch: MP72562

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-8		
Lab Sample ID:	JB38641-2F	**Date Sampled:**	06/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/04/13
		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	06/04/13 10:13	MET	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	06/11/13 00:09	ND	SW846 6010/7196A M

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB38641-3	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	1C117114.D	1	06/08/13	MD	n/a	n/a	V1C5189
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	10	3.3	ug/l	
71-43-2	Benzene	8.3	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)	13.2 J	10	2.4	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	0.17	ug/l	
135-98-8	sec-Butylbenzene	5.2	5.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	1.2	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

8/7/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB38641-3	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	52.4	1.0	0.23	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	0.24	ug/l	
98-82-8	Isopropylbenzene	28.3	2.0	0.45	ug/l	
99-87-6	p-Isopropyltoluene	0.62	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	12.0	5.0	1.1	ug/l	
103-65-1	n-Propylbenzene	46.3	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	4.9	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	4.3	2.0	0.19	ug/l	
108-67-8	1,3,5-Trimethylbenzene	1.1	2.0	0.36	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	15.8	1.0	0.42	ug/l	
95-47-6	o-Xylene	1.5	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	17.3	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-119%
17060-07-0	1,2-Dichloroethane-D4	96%		74-122%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	90%		76-116%

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:	JB38641-3	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	F25028.D	1	06/16/13	NAP	06/05/13	OP66558	EF5253
Run #2							

	Initial Volume	Final Volume
Run #1	870 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	5.7	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.7	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.7	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.7	1.8	ug/l	
51-28-5	2,4-Dinitrophenol	ND	23	19	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	23	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.3	1.2	ug/l	
	3&4-Methylphenol	ND	2.3	1.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.7	1.7	ug/l	
100-02-7	4-Nitrophenol	ND	11	6.0	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.6	ug/l	
108-95-2	Phenol	ND	2.3	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.7	1.8	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.7	1.5	ug/l	
83-32-9	Acenaphthene	ND UJ	1.1	0.30	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.26	ug/l	
98-86-2	Acetophenone	ND	2.3	0.33	ug/l	
120-12-7	Anthracene	ND	1.1	0.33	ug/l	
1912-24-9	Atrazine	ND	5.7	0.56	ug/l	
100-52-7	Benzaldehyde	ND	5.7	3.7	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.26	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.52	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.37	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.59	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.3	0.41	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.3	0.33	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.35	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.3	0.34	ug/l	
106-47-8	4-Chloroaniline	ND UJ	5.7	0.61	ug/l	
86-74-8	Carbazole	ND	1.1	0.41	ug/l	
105-60-2	Caprolactam	ND	2.3	0.79	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

7/17/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB38641-3	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	0.33	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.3	0.35	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.3	0.35	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.3	0.52	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.3	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.3	0.49	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.3	0.53	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.7	0.41	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.43	ug/l	
132-64-9	Dibenzofuran	ND	5.7	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.3	0.64	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.3	0.35	ug/l	
84-66-2	Diethyl phthalate	ND	2.3	0.38	ug/l	
131-11-3	Dimethyl phthalate	ND	2.3	0.33	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.3	0.67	ug/l	
206-44-0	Fluoranthene	0.58	1.1	0.37	ug/l	J
86-73-7	Fluorene	ND	1.1	0.32	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.39	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.59	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	8.2	ug/l	
67-72-1	Hexachloroethane	ND	2.3	0.63	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.43	ug/l	
78-59-1	Isophorone	ND	2.3	0.31	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.44	ug/l	
88-74-4	2-Nitroaniline	ND	5.7	1.3	ug/l	
99-09-2	3-Nitroaniline	ND	5.7	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.7	1.9	ug/l	
91-20-3	Naphthalene	1.5 J	1.1	0.30	ug/l	
98-95-3	Nitrobenzene	ND	2.3	0.48	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.3	0.35	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.7	0.35	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.34	ug/l	
129-00-0	Pyrene	0.48	1.1	0.31	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		10-110%
4165-62-2	Phenol-d5	23%		10-110%
118-79-6	2,4,6-Tribromophenol	71%		29-143%
4165-60-0	Nitrobenzene-d5	90%		31-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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

8/7/13

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB38641-3	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	84%		35-120%
1718-51-0	Terphenyl-d14	72%		14-152%

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:	JB38641-3	**Date Sampled:**	06/03/13
Matrix:	AQ - Ground Water	**Date Received:**	06/04/13
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	EF120968.D	1	06/11/13	JR	06/05/13	OP66554	GEF4776
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.53	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.53	0.29	ug/l	
11141-16-5	Aroclor 1232	ND	0.53	0.41	ug/l	
53469-21-9	Aroclor 1242	ND	0.53	0.091	ug/l	
12672-29-6	Aroclor 1248	ND	0.53	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.53	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.53	0.22	ug/l	
11100-14-4	Aroclor 1268	ND	0.53	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.53	0.063	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		25-143%
877-09-8	Tetrachloro-m-xylene	85%		25-143%
2051-24-3	Decachlorobiphenyl	55%		10-134%
2051-24-3	Decachlorobiphenyl	53%		10-134%

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:	JB38641-3F	**Date Sampled:**	06/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/04/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

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Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Arsenic	5.9	3.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Calcium	141000	5000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Iron	209	100	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0 UJ	3.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Magnesium	36300	5000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Manganese	3220	15	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/13/13	06/13/13	DP	SW846 7470A [3]	SW846 7470A [6]
Nickel	15.1	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10 UJ	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Sodium	95000	10000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA31416
(2) Instrument QC Batch: MA31431
(3) Instrument QC Batch: MA31440
(4) Prep QC Batch: MP72450
(5) Prep QC Batch: MP72450A
(6) Prep QC Batch: MP72562

8/9/13

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-XX		
Lab Sample ID:	JB38641-3F	**Date Sampled:**	06/03/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/04/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

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General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.010 R	0.010	mg/l	1	06/04/13 10:58	MET	SW846 7196A
Chromium, Trivalent [b]	< 0.020	0.020	mg/l	1	06/12/13 02:34	JY	SW846 6010/7196A M

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

JF 8/9/13

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK 6/3		
Lab Sample ID:	JB38641-4	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/04/13
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	1C117000.D	1	06/06/13	TYG	n/a	n/a	V1C5184
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	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

7/8/13

Report of Analysis

Client Sample ID:	FIELD BLANK 6/3		
Lab Sample ID:	JB38641-4	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/04/13
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	94%		80-119%
17060-07-0	1,2-Dichloroethane-D4	101%		74-122%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		76-116%

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 6/3		
Lab Sample ID:	JB38641-4	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/04/13
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	F25029.D	1	06/16/13	NAP	06/05/13	OP66558	EF5253
Run #2							

	Initial Volume	Final Volume
Run #1	640 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	7.8	1.5	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	7.8	2.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	7.8	1.8	ug/l	
105-67-9	2,4-Dimethylphenol	ND	7.8	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	31	26	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	31	1.5	ug/l	
95-48-7	2-Methylphenol	ND	3.1	1.6	ug/l	
	3&4-Methylphenol	ND	3.1	1.4	ug/l	
88-75-5	2-Nitrophenol	ND	7.8	2.3	ug/l	
100-02-7	4-Nitrophenol	ND	16	8.1	ug/l	
87-86-5	Pentachlorophenol	ND	16	2.2	ug/l	
108-95-2	Phenol	ND	3.1	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	7.8	2.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	7.8	2.0	ug/l	
83-32-9	Acenaphthene	ND	1.6	0.41	ug/l	
208-96-8	Acenaphthylene	ND	1.6	0.36	ug/l	
98-86-2	Acetophenone	ND	3.1	0.45	ug/l	
120-12-7	Anthracene	ND	1.6	0.45	ug/l	
1912-24-9	Atrazine	ND	7.8	0.76	ug/l	
100-52-7	Benzaldehyde	ND	7.8	5.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.6	0.35	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.6	0.35	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.6	0.71	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.6	0.50	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.6	0.80	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	3.1	0.56	ug/l	
85-68-7	Butyl benzyl phthalate	ND	3.1	0.45	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.6	0.47	ug/l	
91-58-7	2-Chloronaphthalene	ND	3.1	0.46	ug/l	
106-47-8	4-Chloroaniline	ND UJ	7.8	0.83	ug/l	
86-74-8	Carbazole	ND	1.6	0.56	ug/l	
105-60-2	Caprolactam	ND	3.1	1.1	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

8/7/13

Report of Analysis

Client Sample ID:	FIELD BLANK 6/3		
Lab Sample ID:	JB38641-4	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/04/13
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	1.6	0.45	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	3.1	0.48	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	3.1	0.48	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	3.1	0.71	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	3.1	0.49	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	3.1	0.67	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	3.1	0.72	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	7.8	0.56	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.6	0.59	ug/l	
132-64-9	Dibenzofuran	ND	7.8	0.41	ug/l	
84-74-2	Di-n-butyl phthalate	ND	3.1	0.87	ug/l	
117-84-0	Di-n-octyl phthalate	ND	3.1	0.48	ug/l	
84-66-2	Diethyl phthalate	ND	3.1	0.51	ug/l	
131-11-3	Dimethyl phthalate	ND	3.1	0.44	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	3.1	0.92	ug/l	
206-44-0	Fluoranthene	ND	1.6	0.50	ug/l	
86-73-7	Fluorene	ND	1.6	0.43	ug/l	
118-74-1	Hexachlorobenzene	ND	1.6	0.53	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.6	0.80	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	16	11	ug/l	
67-72-1	Hexachloroethane	ND	3.1	0.86	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.6	0.58	ug/l	
78-59-1	Isophorone	ND	3.1	0.43	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.6	0.60	ug/l	
88-74-4	2-Nitroaniline	ND	7.8	1.7	ug/l	
99-09-2	3-Nitroaniline	ND	7.8	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	7.8	2.6	ug/l	
91-20-3	Naphthalene	ND	1.6	0.40	ug/l	
98-95-3	Nitrobenzene	ND	3.1	0.65	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	3.1	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	7.8	0.48	ug/l	
85-01-8	Phenanthrene	ND	1.6	0.46	ug/l	
129-00-0	Pyrene	ND	1.6	0.42	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%		10-110%
4165-62-2	Phenol-d5	74%		10-110%
118-79-6	2,4,6-Tribromophenol	76%		29-143%
4165-60-0	Nitrobenzene-d5	78%		31-130%

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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 6/3		
Lab Sample ID:	JB38641-4	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/04/13
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%		35-120%
1718-51-0	Terphenyl-d14	79%		14-152%

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 6/3		
Lab Sample ID:	JB38641-4	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Water	**Date Received:**	06/04/13
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	EF120969.D	1	06/11/13	JR	06/05/13	OP66554	GEF4776
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.43	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.097	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.15	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		25-143%
877-09-8	Tetrachloro-m-xylene	120%		25-143%
2051-24-3	Decachlorobiphenyl	62%		10-134%
2051-24-3	Decachlorobiphenyl	57%		10-134%

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 6/3		
Lab Sample ID:	JB38641-4F	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Filtered	**Date Received:**	06/04/13
		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	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Calcium	< 5000	5000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Magnesium	< 5000	5000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Manganese	< 15	15	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/13/13	06/13/13	DP	SW846 7470A [3]	SW846 7470A [6]
Nickel	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Sodium	< 10000	10000	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	06/07/13	06/12/13	VC	SW846 6020A [2]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	06/07/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA31416
(2) Instrument QC Batch: MA31431
(3) Instrument QC Batch: MA31440
(4) Prep QC Batch: MP72450
(5) Prep QC Batch: MP72450A
(6) Prep QC Batch: MP72562

RL = Reporting Limit

Report of Analysis

Client Sample ID:	FIELD BLANK 6/3		
Lab Sample ID:	JB38641-4F	**Date Sampled:**	06/03/13
Matrix:	AQ - Field Blank Filtered	**Date Received:**	06/04/13
		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	06/04/13 10:13	MET	SW846 7196A
Chromium, Trivalent [b]	< 0.020	0.020	mg/l	1	06/12/13 02:40	JY	SW846 6010/7196A M

(a) Analyzed from non-filtered sample.
(b) Calculated as: (Chromium) - (Chromium, Hexavalent)

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TRIP BLANK 6/3		
Lab Sample ID:	JB38641-5	**Date Sampled:**	06/03/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/04/13
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	1C117001.D	1	06/06/13	TYG	n/a	n/a	V1C5184
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	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	R
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

7/31/13

Report of Analysis

Client Sample ID:	TRIP BLANK 6/3		
Lab Sample ID:	JB38641-5	**Date Sampled:**	06/03/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/04/13
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	94%		80-119%
17060-07-0	1,2-Dichloroethane-D4	101%		74-122%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	93%		76-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting 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:	JB38761-1	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	Y134968.D	1	06/06/13	RS	n/a	n/a	VY5816
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	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

7/30/8/13

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB38761-1	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	100%		80-119%
17060-07-0	1,2-Dichloroethane-D4	92%		74-122%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		76-116%

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-7		
Lab Sample ID:	JB38761-1	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	2P24423.D	1	06/15/13	ALS	06/06/13	OP66578	E2P1064
Run #2							

	Initial Volume	Final Volume
Run #1	950 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	5.3	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	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
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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB38761-1	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	1.8	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	58%		10-110%
4165-62-2	Phenol-d5	40%		10-110%
118-79-6	2,4,6-Tribromophenol	108%		29-143%
4165-60-0	Nitrobenzene-d5	96%		31-130%

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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:	JB38761-1	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	100%		35-120%
1718-51-0	Terphenyl-d14	102%		14-152%

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:	JB38761-1	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	EF121007.D	1	06/11/13	JR	06/06/13	OP66580	GEF4777
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.43	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.096	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	75%		25-143%
877-09-8	Tetrachloro-m-xylene	85%		25-143%
2051-24-3	Decachlorobiphenyl	69%		10-134%
2051-24-3	Decachlorobiphenyl	65%		10-134%

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:	JB38761-1F	**Date Sampled:**	06/04/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/05/13
		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	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	06/11/13	06/19/13	VC	SW846 6020A [3]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Calcium	121000	5000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Magnesium	24200	5000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Manganese	49.0	15	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/14/13	06/14/13	AA	SW846 7470A [2]	SW846 7470A [6]
Nickel	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Potassium	< 10000	10000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Sodium	66200	10000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	06/11/13	06/19/13	VC	SW846 6020A [3]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA31422
(2) Instrument QC Batch: MA31447
(3) Instrument QC Batch: MA31475
(4) Prep QC Batch: MP72509
(5) Prep QC Batch: MP72509A
(6) Prep QC Batch: MP72593

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-7		
Lab Sample ID:	JB38761-1F	**Date Sampled:**	06/04/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/05/13
		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	06/05/13 10:42	RI	SW846 7196A
Chromium, Trivalent [a]	< 0.020	0.020	mg/l	1	06/12/13 18:45	JY	SW846 6010/7196A M

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

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB38761-2	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	Y135207.D	1	06/12/13	RS	n/a	n/a	VY5827
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	4.1	10	3.3	ug/l	J
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

6/8/13

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB38761-2	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	94%		80-119%
17060-07-0	1,2-Dichloroethane-D4	92%		74-122%
2037-26-5	Toluene-D8	91%		80-120%
460-00-4	4-Bromofluorobenzene	94%		76-116%

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-9		
Lab Sample ID:	JB38761-2	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	2P24424.D	1	06/15/13	ALS	06/06/13	OP66578	E2P1064
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	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	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	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/l	
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
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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:	JB38761-2	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	0.81	2.0	0.59	ug/l	J
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	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	1.4	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	45%		10-110%
4165-62-2	Phenol-d5	32%		10-110%
118-79-6	2,4,6-Tribromophenol	97%		29-143%
4165-60-0	Nitrobenzene-d5	79%		31-130%

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:	JB38761-2	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	83%		35-120%
1718-51-0	Terphenyl-d14	87%		14-152%

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:	JB38761-2	**Date Sampled:**	06/04/13
Matrix:	AQ - Ground Water	**Date Received:**	06/05/13
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	EF121006.D	1	06/11/13	JR	06/06/13	OP66580	GEF4777
Run #2							

	Initial Volume	Final Volume
Run #1	900 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.43	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.096	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		25-143%
877-09-8	Tetrachloro-m-xylene	76%		25-143%
2051-24-3	Decachlorobiphenyl	46%		10-134%
2051-24-3	Decachlorobiphenyl	43%		10-134%

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:	JB38761-2F	**Date Sampled:**	06/04/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/05/13
		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	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Antimony	< 1.0	1.0	ug/l	2	06/11/13	06/19/13	VC	SW846 6020A [3]	SW846 3010A [5]
Arsenic	< 3.0	3.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Barium	< 200	200	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Beryllium	< 1.0	1.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cadmium	< 3.0	3.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Calcium	119000	5000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Chromium	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Cobalt	< 50	50	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Copper	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Iron	< 100	100	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Lead	< 3.0	3.0	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Magnesium	8920	5000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Manganese	782	15	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Mercury	< 0.20	0.20	ug/l	1	06/14/13	06/14/13	AA	SW846 7470A [2]	SW846 7470A [6]
Nickel	86.4	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Potassium	12700	10000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Selenium	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Silver	< 10	10	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Sodium	96700	10000	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	06/11/13	06/19/13	VC	SW846 6020A [3]	SW846 3010A [5]
Vanadium	< 50	50	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]
Zinc	< 20	20	ug/l	1	06/11/13	06/12/13	JY	SW846 6010C [1]	SW846 3010A [4]

(1) Instrument QC Batch: MA31422
(2) Instrument QC Batch: MA31447
(3) Instrument QC Batch: MA31475
(4) Prep QC Batch: MP72509
(5) Prep QC Batch: MP72509A
(6) Prep QC Batch: MP72593

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-9		
Lab Sample ID:	JB38761-2F	**Date Sampled:**	06/04/13
Matrix:	AQ - Groundwater Filtered	**Date Received:**	06/05/13
		Percent Solids:	n/a
Project:	Via Verde, 700-730 Brook Avenue, Bronx, NY		

4.4
4

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Chromium, Hexavalent [a]	< 0.010	0.010	mg/l	1	06/05/13 10:42	RI	SW846 7196A
Chromium, Trivalent [b]	< 0.020	0.020	mg/l	1	06/12/13 19:56	JY	SW846 6010/7196A M

~~(a) Analysis done out of holding time.~~ B

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

8/9/13

RL = Reporting Limit

Appendix B
Chain of Custody
Documents

GW FB TB

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

PAGE 1 OF 1 PW

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

FED EX Tracking # 7999-0380-3536 | Accutest Quote # | Bottle Order Control # | Accutest Job # JB38641

Client / Reporting Information	Project Information	Requested Analysis (see TEST CODE sheet)	Matrix Codes
Company Name: CA Rich Consultants, Inc.	Project Name: VIA Verde		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
Street Address: 17 Dupont St	Street: Brook Ave	Billing Information (if different from Report to)	
City: Plainview, NY State: Zip: 11803	City: Bronx State: NY	Company Name	
Project Contact: Richard220 rizzo@carichinc.com E-mail	Project #:	Street Address	
Phone #: 5165768844 Fax #: 5165760093	Client Purchase Order #:	City State Zip	
Sampler(s) Name(s): M. Yager + T. Brown Phone #	Project Manager	Attention	

Accutest Sample #	Field ID / Point of Collection	MEOH Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	EnCore	VOCs 8260	SVOC 8270	TAL metals Filtered	Hex Chrome + Tal Chrome Filtered	PCBs	LAB USE ONLY
1	MW-6		6/3/13	1220	MY/TB	GW	9	3				6				X	X	X	X	X	D27
2	MW-8		6/3/13	1015	MY/TB	GW	9	3				6				X	X	X	X	X	C11
3	MW-XX		6/3/13	—	MY/TB	GW	9	3				6				X	X	X	X	X	C45
4	Field Blank 6/13		6/03/13	1230	MY/TB	FB	8	2				6				X	X	X		X	2196
5	Trip Blank 6/13		6/3/13	—		TB	1	1								X					

Turnaround Time (Business days)	Approved By (Accutest PM): / Date:	Data Deliverable Information	Comments / Special Instructions
☒ Std. 10 Business Days		☐ Commercial "A" (Level 1)	☐ NYASP Category A	*24 hr Hex Chrome *
☐ 6 Day RUSH		☐ Commercial "B" (Level 2)	☒ NYASP Category B	NYS TOGS Detection Limits
☐ 3 Day EMERGENCY		☐ FULL T1 (Level 3+4)	☐ State Forms	* Hex Chrome + TAL metals dissolved
☐ 2 Day EMERGENCY		☐ NJ Reduced	☐ EDD Format	only - Lab Filtered *
☐ 1 Day EMERGENCY		☐ Commercial "C"	☐ Other	
☐ other		Commercial "A" = Results Only		
Emergency & Rush T/A data available VIA Lablink		Commercial "B" = Results + QC Summary		
		NJ Reduced = Results + QC Summary + Partial Raw data		

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

Relinquished by Sampler: 1	Date Time: 6/3/13 1:30	Received By: 1 FedEx	Relinquished By: 2 FEDEX	Date Time: 6-4-13 905	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 # 788 ☐ Intact ☐ Not Intact	Preserved where applicable ☐	On Ice ☐ Cooler Temp. 2.0 3.0

Cooler NOT READ. B

JB38641: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB38641 **Client:** CA RICH **Project:** VIA VERDE

Date / Time Received: 6/4/2013 9:45 **Delivery Method:** FedEx **Airbill #'s:** 799903803536

Cooler Temps (Initial/Adjusted): #1: (2/2); #2: (3/3); 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 -2F XCR SAMPLES TAKEN DIRECTLY TO LAB UPON RECEIPT.

-2F MW-6: TAKEN 6/3/13 AT 10:15 , SAMPLE MADE 24 HR HOLD TIME.

-3F MW-XX TAKEN 6/3/13 NO TIME ON SAMPLES OR COC ,JUST A HASH MARK.
VISUALLY -2F AND 3-F APPEAR TO BE THE DUP. IF THIS IS THE CASE THIS SAMPLE DID NOT MAKE 24HR HOLD TIME.

-4 XCR LAB FILTER AND METALS VOLUMES RECEIVED NOT CHECKED OFF ON COC. FILTER REQUEST SENT FOR BOTH.

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

ACCUTEST LABORATORIES

Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB38641

CSR: Michelle **Response Date:** 6/4/2013

Response: -3F, use time of 1015
ok to run -2 and -3 out of HT
-4, please run for dissolved metals, XCR and CR3

Per Jason Cooper

5.1

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JB38641: Chain of Custody
Page 3 of 3

ACCUTEST LABORATORIES

GW

CHAIN OF CUSTODY

7999 1586 4325 PAGE 1 OF 1 PN/E/F

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

FED-EX Tracking # 7999 1586 4361 | Bottle Order Control # | Accutest Quote # | Accutest Job # JB38761

Client / Reporting Information

Company Name: CA Rich Consultants
Street Address: 17 Dupont Street
City: Plainview State: NY Zip: 11803
Project Contact: Richard Tazo E-mail: RizzoRcarichinc.com
Phone #: 516-576-8844 Fax #: 516-576-0093
Sampler(s) Name(s): Jason Cooper Thomas Braun Phone #:

Project Information

Project Name: Via Verde
Street: Brook Avenue
City: Bronx State:
Project #: Post Rem. GWS
Client Purchase Order #:
Project Manager:
Attention:

Billing Information (if different from Report to)

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

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	Number of preserved Bottles: HCl	NaOH	H2SO4	HNO3	NONE	DI Water	MEOH	ENCORE	VOCs 8260	SVOC 8270	TAL Metals	Hex & Tri Chrome Filtered	PCBs	Matrix Codes / LAB USE ONLY
	MW-7		6/4/13	1045	JT/TB	GW	3					6				X	X	X	X	X	EL3
1	MW-7MS		6/4/13	1045	JT/TB	GW	3					6				X	X	X	X	X	C11
	MW-7MSD		6/4/13	1045	JT/TB	GW	3					6				X	X	X	X	X	C44
2	MW-9		6/4/13		JT/TB	GW	3					6				X	X	X	X	X	2199G
	Trip Blank					TB	1									X					

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 Lablink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULL T1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [X] 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 hex Chrome
NYS TOGS Detection Limits
* Hex Chrome & TAL metals dissolved only - Lab filtered

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 Thomas Braun	6/4/13 2:00	1 Fed Ex	2 FedX	6/5/13 945	2
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
3		3	4		4
Relinquished By:	Date Time:	Received By:	Custody Seal # 7811 + 7810	Intact / Not Intact	Preserved where applicable	On Ice	Cooler Temp. 3.0 2.0
5		5					

1B 3B

5.1 G1

JB38761: Chain of Custody
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB38761 **Client:** CA RICH - NY **Project:** VIA VERDE

Date / Time Received: 6/5/2013 9:45 **Delivery Method:** FedEx **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (3/3); #2: (2/2); 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:	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	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 -2 NO COLLECTION TIMES ON COC OR LABEL. PLEASE VERIFY COLLECTION TIME. \

DID NOT REC TRIP BLANK

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JB38761: Chain of Custody
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Sample Receipt Summary - Problem Resolution

Accutest Job Number: JB38761

CSR: Michelle **Response Date:** 6/5/2013

Response: -2, please use time of 1245
Jason Cooper notified of missing TB

5.1

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JB38761: Chain of Custody
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Appendix C
Case Narratives

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CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	C. A. Rich Consultants	**Job No**	JB38641
Site:	Via Verde, 700-730 Brook Avenue, Bronx, NY	**Report Date**	6/26/2013 6:20:19 PM

On 06/04/2013, 3 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB38641 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: V1C5184

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38586-4MS, JB38586-4MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 1,1,2,2-Tetrachloroethane are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- RPD(s) for MSD for Dichlorodifluoromethane, Trichlorofluoromethane are outside control limits for sample JB38586-4MSD. Outside control limits due to matrix interference.

Matrix: AQ	Batch ID: V1C5189

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB38737-2MS, JB38737-2MSD 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: OP66558

- All samples were extracted within the recommended method holding time.
- Sample(s) JB38641-2MS, JB38641-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 4-Chloroaniline are outside control limits. Outside of in house control limits.

Extractables by GC By Method SW846 8082A

Matrix: AQ	Batch ID: OP66554

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38646-2MS, JB38646-2MSD, OP66554-MSMSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ	Batch ID: MP72450

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38641-2FMS, JB38641-2FMSD, JB38641-2FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Arsenic, Cadmium, Chromium, Lead, Nickel, Selenium, Zinc are outside control limits for sample MP72450-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- RPD(s) for Serial Dilution for Iron are outside control limits for sample MP72450-SD1. Serial dilution indicates possible matrix interference.

Metals By Method SW846 6020A

Matrix: AQ	Batch ID: MP72450A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38641-2FMS, JB38641-2FMSD, JB38641-2FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Antimony, Thallium are outside control limits for sample MP72450A-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP72562

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38574-2MS, JB38574-2MSD, JB38574-2DUP were used as the QC samples for metals.
- RPD(s) for Duplicate for Mercury are outside control limits for sample MP72562-D1. RPD acceptable due to low duplicate and sample concentrations.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: AQ	Batch ID: R123805

- The data for SW846 6010/7196A M meets quality control requirements.
- JB38641-2F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R123854

- The data for SW846 6010/7196A M meets quality control requirements.
- JB38641-1F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R123855

- The data for SW846 6010/7196A M meets quality control requirements.
- JB38641-3F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R124098

- The data for SW846 6010/7196A M meets quality control requirements.
- JB38641-4F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 7196A

Matrix: AQ	Batch ID: GN86138

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38641-1FDUP, JB38641-1FMS were used as the QC samples for Chromium, Hexavalent.
- JB38641-4F for Chromium, Hexavalent: Analyzed from non-filtered sample.
- JB38641-3F for Chromium, Hexavalent: Analysis done out of holding time as per client request.

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

ACCUTEST LABORATORIES

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CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	C. A. Rich Consultants	**Job No**	JB38761
Site:	Via Verde, 700-730 Brook Avenue, Bronx, NY	**Report Date**	6/24/2013 5:06:25 PM

On 06/05/2013, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB38761 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:** VY5816

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB38761-1MS, JB38761-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** VY5827

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB39170-16MS, JB39170-16MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ **Batch ID:** OP66578

- All samples were extracted within the recommended method holding time.
- Sample(s) JB38761-1MS, JB38761-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8082A

Matrix: AQ **Batch ID:** OP66580

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38761-1MS, JB38761-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ **Batch ID:** MP72509

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38761-1FMS, JB38761-1FMSD, JB38761-1FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Chromium, Cobalt, Copper, Iron, Nickel, Selenium, Silver, Vanadium, Zinc are outside control limits for sample MP72509-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 6020A

Matrix: AQ	Batch ID: MP72509A

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38761-1FMS, JB38761-1FMSD, JB38761-1FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Antimony, Thallium are outside control limits for sample MP72509A-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP72593

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38761-1FMS, JB38761-1FMSD were used as the QC samples for metals.

Wet Chemistry By Method SW846 6010/7196A M

Matrix: AQ	Batch ID: R123908

- The data for SW846 6010/7196A M meets quality control requirements.
- JB38761-1F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Matrix: AQ	Batch ID: R123909

- The data for SW846 6010/7196A M meets quality control requirements.
- JB38761-2F for Chromium, Trivalent: Calculated as: (Chromium) - (Chromium, Hexavalent)

Wet Chemistry By Method SW846 7196A

Matrix: AQ	Batch ID: GN86218

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB38761-1FDUP, JB38761-1FMS were used as the QC samples for Chromium, Hexavalent.
- JB38761-2F 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.

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