

172-174 North 11th Street

BROOKLYN, NEW YORK

Remedial Investigation Report

Addendum

Prepared for:

174 North 11th Partners, LLC

Prepared by:

P.W. Grosser Consulting, Inc.

630 Johnson Avenue, Suite 7

Bohemia, NY 11716

jdanko@pwgrosser.com

631-589-6353

December 18, 2014

FIGURES

FIGURE 1 GROUNDWATER SAMPLING ANALYTICAL RESULTS

TABLES

TABLE 1 GROUNDWATER ANALYTICAL RESULTS – METALS BY 6010

APPENDICES

APPENDIX A LABORATORY ANALYTICAL REPORTS

1.0 REMEDIAL INVESTIGATION ADDENDUM ACTIVITIES

1.1 Background

Previous groundwater sampling events performed at three groundwater sampling locations as part of a Remedial Investigation (RI) at the 172-174 North 11th St. property (The Property) indicated the presence of total and dissolved metals, including aluminum, above the New York State 6NYCRR Part 703.5 Class GA groundwater standards. Groundwater samples containing elevated dissolved aluminum concentrations are indicative of a highly turbid groundwater sample. As such, dissolved-phase aluminum in groundwater samples may be used as a proxy for turbidity. Details regarding previous groundwater sampling methods and results are presented in the November 2014 Remedial Investigation (RI) Report.

Therefore, in order to evaluate whether the presence of total and dissolved metals in groundwater samples may be attributable to sample turbidity, the groundwater sampling location were re-sampled at the request of NYC OER in December 2014. The objective of the December 2014 groundwater sampling event was to minimize the potential for sample turbidity and obtain more representative groundwater samples at the Property.

1.2 Groundwater Sample Collection and Chemical Analysis

A total of two groundwater samples were collected for chemical analysis from groundwater sampling locations GW002 and GW003. A groundwater sample could not be collected from GW001 because the well had sunk and was inaccessible for sampling.

The groundwater sampling locations were sampled with dedicated bailers. In order to minimize the disturbance of the groundwater and reduce the potential turbidity of the samples the groundwater sampling locations were not purged. The dedicated bailers were lowered slowly into the groundwater, as to not produce a surge in the well. The contents of the dedicated bailers were then transferred directly into the appropriate glassware. The dissolved samples were lab filtered. Laboratories and analytical methods are detailed below.

The QA/QC program included the preparation and analysis of a trip blank. The overall quality of the data was acceptable.

Chemical Analysis

Chemical analytical work presented in this Addendum Report has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Alpha Analytical Laboratories.
Chemical Analytical Laboratory	Alpha Analytical, ELAP# - 11148
Chemical Analytical Methods	Groundwater analytical methods: <ul style="list-style-type: none"><li data-bbox="646 751 1463 856">• TAL Metals by EPA Method 6010C (rev. 2007); (Total and Dissolved) - (2012 samples were not analyzed for Total Metals)

Results of Chemical Analyses

Laboratory data for the October 2014 and December 2014 groundwater sampling events are summarized in **Table 1**. Laboratory analytical data for all samples evaluated in this RI addendum report are provided in digital form in **Appendix A**.

2.0 ENVIRONMENTAL EVALUATION

2.1 Groundwater Chemistry

A summary table of data for chemical analyses performed on groundwater samples is included in **Table 1**.

Figure 1 presents the location and posts the values for dissolved metal concentrations of groundwater samples that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards for the October 2014 and December 2014 groundwater sampling events. In general, concentrations of dissolved metals were lower than concentrations of total metals. The total and dissolved metals that exceed groundwater standards include iron, manganese, and sodium. The concentrations of totals and dissolved metals detected as part of the December 2014 sampling event were significantly lower than concentrations detected as part of the October 2014 groundwater sampling events. These results indicate that the turbid conditions observed

during the October 2014 sampling event was responsible for the presence of total and dissolved metals above the New York State 6NYCRR Part 703.5 Class GA groundwater standards. Based on the similarity of metals concentrations between GW001 and GW002 during the October 2014 groundwater sampling event, and the finding that turbidity was responsible for the presence of total and dissolved metals above the New York State 6NYCRR Part 703.5 Class GA groundwater standards at GW001, it is reasonable to conclude that the December 2014 results for GW002 may be used as a proxy for GW001 in the absence of new sampling results from that location.

Based on the December 2014 groundwater sampling results, the concentrations of metals in groundwater at the Property appear to be consistent with the presence of non-native historic urban fill.

2.2 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

FIGURES



PWGC

Energy, Environmental and Engineering Solutions

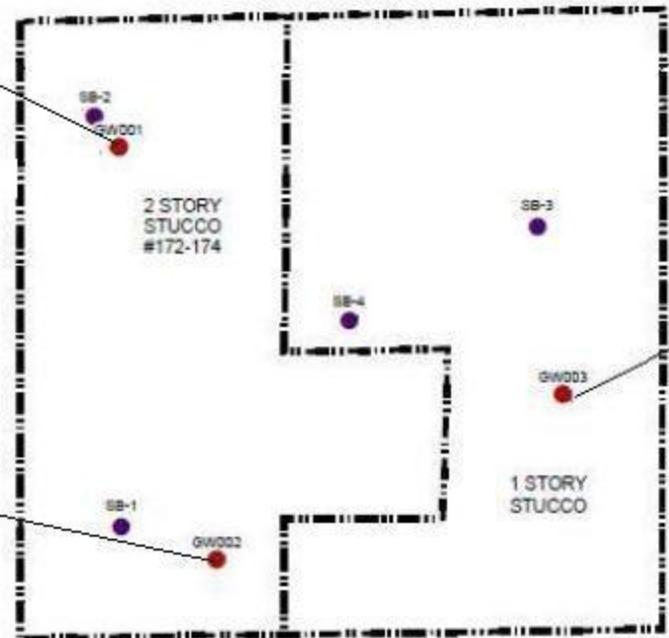
P. W. GROSSER CONSULTING, INC.

630 Johnson Avenue - Suite 7
Brooklyn - NY - 11218-2818
Phone: (831) 588-6353 - Fax: (831) 588-8708
E-mail: INFO@PWGROSSER.COM

Sample ID	GW001
Date	10/14/2014
Antimony	3.87 J
Chromium	373
Iron	32,700
Lead	52.9
Manganese	1,286
Selenium	23.5 J
Sodium	174,000

NORTH 11TH STREET

SIDEWALK



Sample ID	GW003	GW003
Date	10/14/2014	12/9/2014
Iron	5,130	8,020
Manganese	-	319.2
Sodium	233,000	282,000

Sample ID	GW002	GW002
Date	10/14/2014	12/18/2014
Antimony	3.05	-
Beryllium	3.20	-
Chromium	139.8	-
Copper	286.6	-
Iron	67,900	1,320
Lead	111.9	-
Magnesium	40,800	-
Manganese	2,504	-
Sodium	237,000	359,000

- Groundwater Sample Location (Oct. 2014/Dec. 2014)
- Property Line
- Curline

DRIGGS AVENUE

UNAUTHORIZED ALTERATION OR ADDITION TO THE
DRAWING AND RELATED DOCUMENTS IS A VIOLATION
OF N.Y. STATE EDUCATION LAW

DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:			
Project:	GPF1401	Designed by:	AM
Date:	12/18/2014	Drawn by:	AM
Scale:	AS SHOWN	Approved by:	EA

GROUNDWATER SAMPLE ANALYTICAL RESULTS

172-174 NORTH 11TH ST.
BROOKLYN, NY



ROUTE NO:

1

SHEET:

TABLES

Table 1
 172-174 North 11th Street, Brooklyn, NY
 Groundwater Analytical Results - Metals by 6010

Sampling Date: Client Sample ID: Laboratory ID:	NYSDEC ⁽¹⁾ AWQS	10/14/2014						12/8/2014			
		GW001 L142383-01		GW002 L1424383-02		GW003 L1424383-03		GW002 L1429546-01		GW003 L1429546-02	
		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
Total Metals (µg/L)											
Aluminum	NS	29,300	8,740	20,900	29,900	7,890	2,110	1,190	125	207	42
Antimony	3	1.68 J	3.87 J	1.37 J	3.05	1.21 J	2.41 J	0.4 J	2.25 J	0.7 J	2.39 J
Arsenic	25	9.57	6.24	7.07	6.87	8.09	5.42	7.6	5.21	6.7	4.06
Barium	1,000	528.4	292.6	564.4	587.4	297.5	135.9	169	115.6	203.8	164.4
Beryllium	3*	4.91	1.36 J	3.27	3.20	1.38	0.20 J	0.2 U	0.15 U	0.2 U	0.15 U
Cadmium	5	1.32	0.44 J	1.47	1.51	0.51	0.10 J	0.1 J	0.05 U	0.5	0.14 J
Calcium	NS	155,000	81,800	87,300	24,400	55,000	18,200	23,700	24,600	51,200	55,500
Chromium	50	391	373	138.6	139.8	39.24	8.47	2.8	1.14	1.3	0.96 J
Cobalt	NS	56	14.38	54.07	52	21.9	5.48	2.8	1.38	3.7	1.96
Copper	200	293.9	192.6	252.7	286.6	56.1	13.9	22.8	1.7 J	68.0	21.6
Iron	300	161,000	32,700	71,200	67,900	27,400	5,130	11,800	1,320	14,600	8,020
Lead	25	71.5	52.9	77.6	111.9	75.7	15.5	5.9	0.4 J	10.6	3.8
Magnesium	35,000*	47,600	25,800	48,700	40,800	35,000	27,300	18,000	18,100	32,200	33,200
Manganese	300	4,934	1,286	2,618	2,504	556.6	127.4	174	158	348.7	319.2
Mercury	0.7	0.62	0.31	0.13 J	0.1 J	0.94	0.15 J	0.06 U	0.06 U	0.52	0.16 J
Nickel	100	155	53	87.92	86.41	27.06	8.28	5.2	2.91	5	3.54
Potassium	NS	16,800	9,100	18,000	16,900	26,000	22,700	15,400	15,300	27,400	26,600
Selenium	10	24	24 J	4.63 J	4.83 J	1.48 J	1 U	1 U	1 U	2 J	1 U
Silver	50	0.07 U	0.38 U	0.08 J	0.17 J	0.07 U	0.09 J	0.1 U	0.07 U	0.1 J	0.07 U
Sodium	20,000	200,000	174,000	258,000	237,000	242,000	233,000	379,000	359,000	263,000	282,000
Thallium	0.5*	0.32 J	0.28 U	0.17 J	0.46 J	0.17 J	0.05 U	0.1 U	0.05 U	0.1 J	0.06 J
Vanadium	NS	132.7	24.3 J	82.1	110.4	49.5	10.3	3.8 J	0.6 J	1.0 J	0.7 J
Zinc	5,000*	385.2	121.5	309.5	341.7	126.8	19.4	25.4	5.8 J	35.4	17.1

Notes:

(1) 6NYCRR Part 703.5 GA Groundwater Quality Standards and Guidance Values 6/1998

* Guidance Value

NS - No Standard

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

J - Indicates an estimated value.

Highlighted/Bold values indicate exceedance of the NYSDEC GQS

APPENDIX A



ANALYTICAL REPORT

Lab Number:	L1429546
Client:	P. W. Grosser 630 Johnson Avenue Suite 7 Bohemia, NY 11716
ATTN:	Kris Almskog
Phone:	(631) 589-6353
Project Name:	174 N 11TH ST
Project Number:	GPP1401
Report Date:	12/16/14

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1429546-01	GW002	WATER	Not Specified	12/08/14 12:15	12/09/14
L1429546-02	GW003	WATER	Not Specified	12/08/14 12:30	12/09/14

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Case Narrative

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

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

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

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

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Case Narrative (continued)

Report Submission

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

Sample Receipt

L1429546-02 was received above the appropriate pH for the Metals analysis. The laboratory added additional HNO₃ to a pH <2.

Total Metals

The WG747264-4 MS recoveries for calcium (738%) and sodium (2800%), performed on L1429546-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG747264-4 MS recovery, performed on L1429546-02, is outside the acceptance criteria for selenium (130%). A post digestion spike was performed and was within acceptance criteria.

The WG747306-4 MS recovery, performed on L1429546-01, is outside the acceptance criteria for mercury (74%). A post digestion spike was performed and was within acceptance criteria.

Dissolved Metals

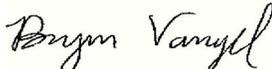
The WG747275-4 MS recovery, performed on L1429546-01, is outside the acceptance criteria for mercury (70%). A post digestion spike was performed and was within acceptance criteria.

The WG747971-4 MS recoveries, performed on L1429546-01, are outside the acceptance criteria for antimony (131%), magnesium (0%), and potassium (0%). A post digestion spike was performed and yielded an unacceptable recovery for antimony (127%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG747971-4 MS recovery for sodium (0%), performed on L1429546-01, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature:

 Bryan Vangel

Title: Technical Director/Representative

Date: 12/16/14

METALS

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

SAMPLE RESULTS

Lab ID: L1429546-01
Client ID: GW002
Sample Location: Not Specified
Matrix: Water

Date Collected: 12/08/14 12:15
Date Received: 12/09/14
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1.19		mg/l	0.050	0.008	5	12/10/14 11:28	12/12/14 16:57	EPA 3005A	1,6020A	BM
Antimony, Total	0.0004	J	mg/l	0.0010	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0076		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Barium, Total	0.1690		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Calcium, Total	23.7		mg/l	0.200	0.032	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Chromium, Total	0.0028		mg/l	0.0010	0.0003	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0028		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Copper, Total	0.0228		mg/l	0.0010	0.0003	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Iron, Total	11.8		mg/l	0.050	0.012	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Lead, Total	0.0059		mg/l	0.0010	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Magnesium, Total	18.0		mg/l	0.070	0.022	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Manganese, Total	0.1742		mg/l	0.0005	0.0003	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/10/14 13:43	12/10/14 19:54	EPA 7470A	1,7470A	AK
Nickel, Total	0.0052		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Potassium, Total	15.4		mg/l	0.200	0.019	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.0003	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Sodium, Total	379		mg/l	10.0	0.805	50	12/10/14 11:28	12/12/14 16:44	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0038	J	mg/l	0.0050	0.0006	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM
Zinc, Total	0.0254		mg/l	0.0100	0.0026	1	12/10/14 11:28	12/12/14 17:19	EPA 3005A	1,6020A	BM

Dissolved Metals - Westborough Lab

Aluminum, Dissolved	0.125		mg/l	0.0100	0.00169	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Antimony, Dissolved	0.00225	J	mg/l	0.00400	0.00006	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Arsenic, Dissolved	0.00521		mg/l	0.00050	0.00012	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.1156		mg/l	0.00050	0.00006	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

SAMPLE RESULTS

Lab ID: L1429546-01
Client ID: GW002
Sample Location: Not Specified
Matrix: Water

Date Collected: 12/08/14 12:15
Date Received: 12/09/14
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	24.6		mg/l	2.00	0.640	20	12/10/14 01:06	12/12/14 15:19	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00114		mg/l	0.00100	0.00025	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Cobalt, Dissolved	0.00138		mg/l	0.00020	0.00006	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Copper, Dissolved	0.00165	J	mg/l	0.00200	0.00026	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Iron, Dissolved	1.32		mg/l	0.0500	0.0120	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Lead, Dissolved	0.00035	J	mg/l	0.00100	0.00012	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Magnesium, Dissolved	18.1		mg/l	0.0700	0.0223	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Manganese, Dissolved	0.1582		mg/l	0.00050	0.00030	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/10/14 11:38	12/10/14 19:38	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00291		mg/l	0.00050	0.00008	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Potassium, Dissolved	15.3		mg/l	0.100	0.0193	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Sodium, Dissolved	359.		mg/l	4.00	0.322	20	12/10/14 01:06	12/12/14 15:19	EPA 3005A	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Vanadium, Dissolved	0.00059	J	mg/l	0.00500	0.00055	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL
Zinc, Dissolved	0.00579	J	mg/l	0.01000	0.00256	1	12/10/14 01:06	12/12/14 16:39	EPA 3005A	1,6020A	KL

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

SAMPLE RESULTS

Lab ID: L1429546-02
Client ID: GW003
Sample Location: Not Specified
Matrix: Water

Date Collected: 12/08/14 12:30
Date Received: 12/09/14
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.207		mg/l	0.010	0.002	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Antimony, Total	0.0007	J	mg/l	0.0010	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0067		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Barium, Total	0.2038		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0005		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Calcium, Total	51.2		mg/l	1.00	0.160	5	12/10/14 11:28	12/12/14 16:40	EPA 3005A	1,6020A	BM
Chromium, Total	0.0013		mg/l	0.0010	0.0003	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0037		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Copper, Total	0.0680		mg/l	0.0010	0.0003	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Iron, Total	14.6		mg/l	0.050	0.012	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Lead, Total	0.0106		mg/l	0.0010	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Magnesium, Total	32.2		mg/l	0.070	0.022	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Manganese, Total	0.3487		mg/l	0.0005	0.0003	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Mercury, Total	0.00052		mg/l	0.00020	0.00006	1	12/10/14 13:43	12/10/14 19:59	EPA 7470A	1,7470A	AK
Nickel, Total	0.0050		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Potassium, Total	27.4		mg/l	0.200	0.019	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Selenium, Total	0.002	J	mg/l	0.005	0.001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0003	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Sodium, Total	263		mg/l	10.0	0.805	50	12/10/14 11:28	12/12/14 16:04	EPA 3005A	1,6020A	BM
Thallium, Total	0.0001	J	mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Vanadium, Total	0.001	J	mg/l	0.0050	0.0006	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Zinc, Total	0.0354		mg/l	0.0100	0.0026	1	12/10/14 11:28	12/12/14 17:09	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.0422		mg/l	0.0100	0.00169	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Antimony, Dissolved	0.00239	J	mg/l	0.00400	0.00006	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Arsenic, Dissolved	0.00406		mg/l	0.00050	0.00012	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Barium, Dissolved	0.1644		mg/l	0.00050	0.00006	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Cadmium, Dissolved	0.00014	J	mg/l	0.00020	0.00005	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

SAMPLE RESULTS

Lab ID: L1429546-02
Client ID: GW003
Sample Location: Not Specified
Matrix: Water

Date Collected: 12/08/14 12:30
Date Received: 12/09/14
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	55.5		mg/l	2.00	0.640	20	12/10/14 01:06	12/12/14 15:52	EPA 3005A	1,6020A	KL
Chromium, Dissolved	0.00096	J	mg/l	0.00100	0.00025	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Cobalt, Dissolved	0.00196		mg/l	0.00020	0.00006	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Copper, Dissolved	0.02161		mg/l	0.00200	0.00026	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Iron, Dissolved	8.02		mg/l	0.0500	0.0120	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Lead, Dissolved	0.00383		mg/l	0.00100	0.00012	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Magnesium, Dissolved	33.2		mg/l	0.0700	0.0223	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Manganese, Dissolved	0.3192		mg/l	0.00050	0.00030	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Mercury, Dissolved	0.00016	J	mg/l	0.00020	0.00006	1	12/10/14 11:38	12/10/14 19:49	EPA 7470A	1,7470A	AK
Nickel, Dissolved	0.00354		mg/l	0.00050	0.00008	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Potassium, Dissolved	26.6		mg/l	0.100	0.0193	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Sodium, Dissolved	282.		mg/l	2.00	0.322	20	12/10/14 01:06	12/12/14 15:52	EPA 3005A	1,6020A	KL
Thallium, Dissolved	0.00006	J	mg/l	0.00050	0.00005	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Vanadium, Dissolved	0.00074	J	mg/l	0.00500	0.00055	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL
Zinc, Dissolved	0.01714		mg/l	0.01000	0.00256	1	12/10/14 01:06	12/12/14 15:55	EPA 3005A	1,6020A	KL



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG747264-1										
Aluminum, Total	0.004	J	mg/l	0.010	0.002	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Antimony, Total	0.0003	J	mg/l	0.0010	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Barium, Total	ND		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Calcium, Total	0.107	J	mg/l	0.200	0.032	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Chromium, Total	0.0006	J	mg/l	0.0010	0.0003	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Cobalt, Total	ND		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Copper, Total	ND		mg/l	0.0010	0.0003	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Iron, Total	ND		mg/l	0.050	0.012	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Magnesium, Total	ND		mg/l	0.070	0.022	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Manganese, Total	ND		mg/l	0.0005	0.0003	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Nickel, Total	ND		mg/l	0.0005	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Potassium, Total	0.147	J	mg/l	0.200	0.019	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Selenium, Total	0.001	J	mg/l	0.005	0.001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Silver, Total	ND		mg/l	0.0003	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Sodium, Total	0.058	J	mg/l	0.400	0.016	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Thallium, Total	ND		mg/l	0.0002	0.0001	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	12/10/14 11:28	12/12/14 15:58	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG747275-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	12/10/14 11:38	12/10/14 19:34	1,7470A	AK



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02 Batch: WG747306-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	12/10/14 13:43	12/10/14 19:50	1,7470A	AK

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-02 Batch: WG747971-1										
Aluminum, Dissolved	0.00192	J	mg/l	0.0100	0.00169	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Antimony, Dissolved	0.00086	J	mg/l	0.00400	0.00006	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Arsenic, Dissolved	ND		mg/l	0.00050	0.00012	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Barium, Dissolved	ND		mg/l	0.00050	0.00006	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Beryllium, Dissolved	ND		mg/l	0.00050	0.00015	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Calcium, Dissolved	ND		mg/l	0.100	0.0320	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Chromium, Dissolved	0.00043	J	mg/l	0.00100	0.00025	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Cobalt, Dissolved	ND		mg/l	0.00020	0.00006	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Copper, Dissolved	0.00179	J	mg/l	0.00200	0.00026	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Iron, Dissolved	ND		mg/l	0.0500	0.0120	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Lead, Dissolved	ND		mg/l	0.00100	0.00012	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Magnesium, Dissolved	ND		mg/l	0.0700	0.0223	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Manganese, Dissolved	ND		mg/l	0.00050	0.00030	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Nickel, Dissolved	0.00010	J	mg/l	0.00050	0.00008	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Potassium, Dissolved	0.0262	J	mg/l	0.100	0.0193	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Selenium, Dissolved	ND		mg/l	0.00500	0.00100	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Silver, Dissolved	ND		mg/l	0.00040	0.00007	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Sodium, Dissolved	0.130	J	mg/l	0.200	0.0161	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Thallium, Dissolved	ND		mg/l	0.00050	0.00005	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
Vanadium, Dissolved	ND		mg/l	0.00500	0.00055	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL

Project Name: 174 N 11TH ST

Lab Number: L1429546

Project Number: GPP1401

Report Date: 12/16/14

Method Blank Analysis Batch Quality Control

Zinc, Dissolved	ND	mg/l	0.01000	0.00256	1	12/10/14 01:06	12/12/14 15:01	1,6020A	KL
-----------------	----	------	---------	---------	---	----------------	----------------	---------	----

Prep Information

Digestion Method: EPA 3005A



Lab Control Sample Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG747264-2								
Aluminum, Total	100		-		80-120	-		
Antimony, Total	96		-		80-120	-		
Arsenic, Total	92		-		80-120	-		
Barium, Total	100		-		80-120	-		
Beryllium, Total	106		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	109		-		80-120	-		
Chromium, Total	94		-		80-120	-		
Cobalt, Total	100		-		80-120	-		
Copper, Total	97		-		80-120	-		
Iron, Total	118		-		80-120	-		
Lead, Total	97		-		80-120	-		
Magnesium, Total	109		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	95		-		80-120	-		
Potassium, Total	95		-		80-120	-		
Selenium, Total	102		-		80-120	-		
Silver, Total	95		-		80-120	-		
Sodium, Total	100		-		80-120	-		
Thallium, Total	96		-		80-120	-		
Vanadium, Total	97		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG747264-2					
Zinc, Total	99	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG747275-2					
Mercury, Dissolved	129	-	70-130	-	
Total Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG747306-2					
Mercury, Total	116	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG747971-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	102	-	80-120	-	
Arsenic, Dissolved	103	-	80-120	-	
Barium, Dissolved	104	-	80-120	-	
Beryllium, Dissolved	100	-	80-120	-	
Cadmium, Dissolved	107	-	80-120	-	
Calcium, Dissolved	101	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	104	-	80-120	-	
Iron, Dissolved	108	-	80-120	-	
Lead, Dissolved	105	-	80-120	-	
Magnesium, Dissolved	114	-	80-120	-	
Manganese, Dissolved	98	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	99	-	80-120	-	
Selenium, Dissolved	109	-	80-120	-	
Silver, Dissolved	96	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	97	-	80-120	-	
Vanadium, Dissolved	100	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 Batch: WG747971-2					
Zinc, Dissolved	106	-	80-120	-	

Matrix Spike Analysis Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747264-4 QC Sample: L1429546-02 Client ID: GW003												
Aluminum, Total	0.207	2	2.26	103		-	-		75-125	-		20
Antimony, Total	0.0007J	0.5	0.4890	98		-	-		75-125	-		20
Arsenic, Total	0.0067	0.12	0.1292	102		-	-		75-125	-		20
Barium, Total	0.2038	2	2.264	103		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.060	120		-	-		75-125	-		20
Cadmium, Total	0.0005	0.051	0.0502	98		-	-		75-125	-		20
Calcium, Total	51.2	10	125	738	Q	-	-		75-125	-		20
Chromium, Total	0.0013	0.2	0.1758	87		-	-		75-125	-		20
Cobalt, Total	0.0037	0.5	0.5082	101		-	-		75-125	-		20
Copper, Total	0.0680	0.25	0.3152	99		-	-		75-125	-		20
Iron, Total	14.6	1	15.5	90		-	-		75-125	-		20
Lead, Total	0.0106	0.51	0.5283	102		-	-		75-125	-		20
Magnesium, Total	32.2	10	43.4	112		-	-		75-125	-		20
Manganese, Total	0.3487	0.5	0.8434	99		-	-		75-125	-		20
Nickel, Total	0.0050	0.5	0.4716	93		-	-		75-125	-		20
Potassium, Total	27.4	10	39.0	116		-	-		75-125	-		20
Selenium, Total	0.002J	0.12	0.156	130	Q	-	-		75-125	-		20
Silver, Total	0.0001J	0.05	0.0463	93		-	-		75-125	-		20
Sodium, Total	263.	10	543	2800	Q	-	-		75-125	-		20
Thallium, Total	0.0001J	0.12	0.1179	98		-	-		75-125	-		20
Vanadium, Total	0.001J	0.5	0.4710	94		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747264-4 QC Sample: L1429546-02 Client ID: GW003									
Zinc, Total	0.0354	0.5	0.4999	93	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747275-4 QC Sample: L1429546-01 Client ID: GW002									
Mercury, Dissolved	ND	0.005	0.00349	70	Q	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747306-4 QC Sample: L1429546-01 Client ID: GW002									
Mercury, Total	ND	0.005	0.00368	74	Q	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747971-4 QC Sample: L1429546-01 Client ID: GW002									
Aluminum, Dissolved	0.125	2	2.17	102	-	-	75-125	-	20
Antimony, Dissolved	0.00225J	0.5	0.6536	131	Q	-	75-125	-	20
Arsenic, Dissolved	0.00521	0.12	0.1323	106	-	-	75-125	-	20
Barium, Dissolved	0.1156	2	2.172	103	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05158	103	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05666	111	-	-	75-125	-	20
Calcium, Dissolved	24.6	10	32.6	80	-	-	75-125	-	20
Chromium, Dissolved	0.00114	0.2	0.1938	96	-	-	75-125	-	20
Cobalt, Dissolved	0.00138	0.5	0.5130	102	-	-	75-125	-	20
Copper, Dissolved	0.00165J	0.25	0.2634	105	-	-	75-125	-	20
Iron, Dissolved	1.32	1	2.18	86	-	-	75-125	-	20
Lead, Dissolved	0.00035J	0.51	0.5280	104	-	-	75-125	-	20
Magnesium, Dissolved	18.1	10	14.9	0	Q	-	75-125	-	20
Manganese, Dissolved	0.1582	0.5	0.6466	98	-	-	75-125	-	20
Nickel, Dissolved	0.00291	0.5	0.5008	100	-	-	75-125	-	20
Potassium, Dissolved	15.3	10	10.2	0	Q	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.138	115	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04894	98	-	-	75-125	-	20
Sodium, Dissolved	359.	10	354	0	Q	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1162	97	-	-	75-125	-	20
Vanadium, Dissolved	0.00059J	0.5	0.5124	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 174 N 11TH ST

Lab Number: L1429546

Project Number: GPP1401

Report Date: 12/16/14

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747971-4 QC Sample: L1429546-01 Client ID: GW002									
Zinc, Dissolved	0.00579J	0.5	0.5240	105	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747264-3 QC Sample: L1429546-02 Client ID: GW003						
Sodium, Total	263.	256	mg/l	3		20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747264-3 QC Sample: L1429546-02 Client ID: GW003						
Calcium, Total	51.2	51.9	mg/l	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747264-3 QC Sample: L1429546-02 Client ID: GW003					
Aluminum, Total	0.207	0.201	mg/l	3	20
Antimony, Total	0.0007J	0.0007J	mg/l	NC	20
Arsenic, Total	0.0067	0.0067	mg/l	1	20
Barium, Total	0.2038	0.2022	mg/l	1	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	0.0005	0.0004	mg/l	10	20
Chromium, Total	0.0013	0.0012	mg/l	5	20
Cobalt, Total	0.0037	0.0030	mg/l	19	20
Copper, Total	0.0680	0.0696	mg/l	2	20
Iron, Total	14.6	15.0	mg/l	3	20
Lead, Total	0.0106	0.0106	mg/l	1	20
Magnesium, Total	32.2	34.6	mg/l	7	20
Manganese, Total	0.3487	0.3408	mg/l	2	20
Nickel, Total	0.0050	0.0042	mg/l	17	20
Potassium, Total	27.4	28.0	mg/l	2	20
Selenium, Total	0.002J	0.002J	mg/l	NC	20
Silver, Total	0.0001J	ND	mg/l	NC	20
Thallium, Total	0.0001J	0.0001J	mg/l	NC	20
Vanadium, Total	0.001J	0.0014J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747264-3 QC Sample: L1429546-02 Client ID: GW003					
Zinc, Total	0.0354	0.0304	mg/l	15	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747275-3 QC Sample: L1429546-01 Client ID: GW002					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747306-3 QC Sample: L1429546-01 Client ID: GW002					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747971-3 QC Sample: L1429546-01 Client ID: GW002					
Calcium, Dissolved	24.6	25.0	mg/l	2	20
Sodium, Dissolved	359.	361	mg/l	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747971-3 QC Sample: L1429546-01 Client ID: GW002					
Aluminum, Dissolved	0.125	0.131	mg/l	5	20
Antimony, Dissolved	0.00225J	0.00348J	mg/l	NC	20
Arsenic, Dissolved	0.00521	0.00509	mg/l	2	20
Barium, Dissolved	0.1156	0.1169	mg/l	1	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	0.00114	0.00112	mg/l	1	20
Cobalt, Dissolved	0.00138	0.00137	mg/l	0	20
Copper, Dissolved	0.00165J	0.00210	mg/l	NC	20
Iron, Dissolved	1.32	1.30	mg/l	2	20
Lead, Dissolved	0.00035J	0.00036J	mg/l	NC	20
Magnesium, Dissolved	18.1	17.6	mg/l	3	20
Manganese, Dissolved	0.1582	0.1551	mg/l	2	20
Nickel, Dissolved	0.00291	0.00302	mg/l	3	20
Potassium, Dissolved	15.3	15.1	mg/l	1	20
Selenium, Dissolved	ND	0.00115J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.00059J	0.00068J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG747971-3 QC Sample: L1429546-01 Client ID: GW002					
Zinc, Dissolved	0.00579J	0.00587J	mg/l	NC	20

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1429546-01A	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1429546-01B	Plastic 500ml unpreserved	A	7	3.2	Y	Absent	FILTER-MET(1)
L1429546-01X	Plastic 120ml HNO3 preserved	A	<2	3.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1429546-02A	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1429546-02B	Plastic 500ml unpreserved	A	7	3.2	Y	Absent	FILTER-MET(1)

*Values in parentheses indicate holding time in days

Project Name: 174 N 11TH ST

Project Number: GPP1401

Lab Number: L1429546

Report Date: 12/16/14

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1429546-02X	Plastic 500ml HNO3 preserved	A	<2	3.2	Y	Absent	CU-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Report Format: DU Report with 'J' Qualifiers



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

Data Qualifiers

- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: 174 N 11TH ST
Project Number: GPP1401

Lab Number: L1429546
Report Date: 12/16/14

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

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

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



Certification Information

Last revised April 15, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8330A/B: PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F,**

EPA 353.2: Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4,**

SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



**NEW YORK
CHAIN OF
CUSTODY**

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page
of

Date Rec'd
in Lab 12-9-14

ALPHA Job #
L1929516

Client Information		Project Information		Deliverables		Billing Information	
Client: PWGC		Project Name: 174 N 11th St		<input type="checkbox"/> ASP-A <input type="checkbox"/> ASP-B <input type="checkbox"/> EQUS (1 File) <input type="checkbox"/> EQUS (4 File) <input type="checkbox"/> Other		<input checked="" type="checkbox"/> Same as Client Info PO #	
Address: Bohemia NY		Project Location:		<input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
Phone: 631-589-6353		Project # GPP 1401		Regulatory Requirement <input type="checkbox"/> NY TOGS <input type="checkbox"/> NY Part 375 <input type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
Fax:		Project Manager: KEA		Turn-Around Time Standard <input checked="" type="checkbox"/> Rush (only if pre approved) <input type="checkbox"/>		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
Email: KRISTA@PWGROSSER.COM		ALPHAQuote #:		Due Date: 12-16-14		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other:	
		# of Days:					

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	ANALYSIS		Sample Filtration	Sample Specific Comments
		Date	Time			TAL Metals	TAL Metals (Filtered)		
21516-01	GW002	12-08-14	1215	GW	KEA	X	X	<input checked="" type="checkbox"/> Lab to do	
02	GW003	↓	1230			X	X	<input checked="" type="checkbox"/> Lab to do	

Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other	Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle	Westboro: Certification No: MA935 Mansfield: Certification No: MA015	Container Type: P Preservative: P AMO3	Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)
Relinquished By: [Signature] Date/Time: 12/9/14 815		Received By: [Signature] Date/Time: 12/9/14 1520		
Relinquished By: [Signature] Date/Time: 12/9/14 1950		Received By: [Signature] Date/Time: 12-9-14 1950		
Relinquished By: [Signature] Date/Time: 12-9-14 2322		Received By: [Signature] Date/Time: 12-9-14 2322		