

TABLE 1
Residential Well Information
Eagle Harbor Sand & Gravel, Inc.
Eagle Harbor Quarry

Well ID (address)	Elevation (grade)	Reported Well Depth (feet)	TOC Elevation (grade+stickup)	4/4/19 DTW (feet)	4/4/19 Water Level Elevation (feet)	Aquifer	Remarks	
Pine Hill Road	4720	NA	NA	NA	NA	NA	Water supplied by well at 4764 Pine Hill Rd	
	4721	713.0	100	714.75	51.41	663.34	Lockport Spigot inoperable; no sample collected; nobody home during field survey	
	4763	NA	NA	NA	NA	NA	Water supplied by well at 4779 Pine Hill Rd	
	4764	711.0	76	706	NA	NA	Lockport Well inaccessible; jet pump in vault below grade; sample collected from hose	
	4779	715.0	90	710	unknown	unknown	Lockport Well inaccessible; jet pump in vault below grade; sample collected from hose	
	4803	NA	NA	NA	NA	NA	NA	Water supplied by well at 4779 Pine Hill Rd
	4816	NA	NA	NA	NA	NA	NA	Water supplied by well at 4764 Pine Hill Rd
	4835	677.0	unknown	unknown	unknown	unknown	Sand and Gravel	Sampled from tap, post filter; no softener; well inaccessible; originally a dug well, then a drilled well through the dug well
	4855	670.0	Shallow?	671	13.8	657.2	Sand and Gravel	Low water level during a dry spell; sample collected from outside spigot
	4868	667.0	unknown	667.3	13.8	653.5	Sand and Gravel	Sample collected from hose
	4871	669.0	30	669	unknown	unknown	Sand and Gravel	Well inaccessible; sample collected from outdoor spigot near buried well head
	4872	667.0	unknown	unknown	unknown	unknown	Unknown	Well questionnaire not returned; Refused permission to sample well during field survey; could not find well
4881	675.0	unknown	unknown	unknown	unknown	unknown	Well questionnaire not returned; Nobody home during field survey; no contact information available	
Maple Street	13303	670.0	unknown	671	11.6	659.4	Rochester	Strong sulfur smell; sample collected from hose

Notes:

TOC = Top of Casing

DTW = Depth of Water from TOC

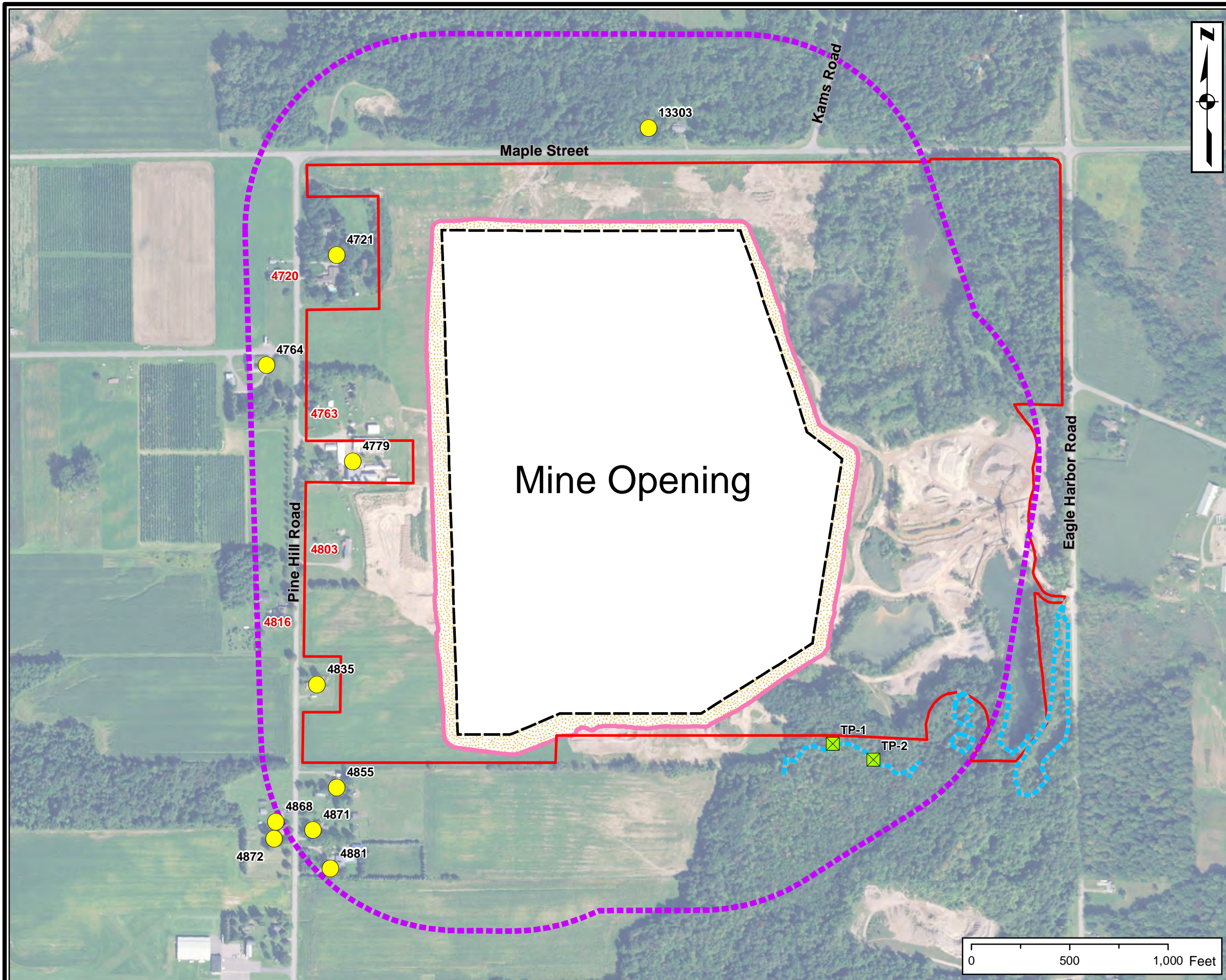
NA = Not applicable, see remarks

TABLE 2
Residential Well Water Quality
Eagle Harbor Sand & Gravel, Inc.
Eagle Harbor Quarry

Well ID (address)	Total Dissolved Solids (ppm)	Specific Conductivity (uS)	pH	Temperature (°C)	Turbidity (ntu)	Alkalinity-CaCO ₃ (mg/L)	Chloride (mg/L)	Sulfide (mg/L)	Total Suspended Solids (mg/L)	Hardness (CaCO ₃) (mg/L)	Iron (mg/L)	Manganese (mg/L)	Remarks	
Pine Hill Road	4720												Water supplied by well at 4764 Pine Hill Rd	
	4721												Spigot inoperable; no sample collected; nobody home during field survey	
	4763												Water supplied by well at 4779 Pine Hill Rd	
	4764	425	842	7.9	10.5	<0.1	306	43.1	<0.05	<5.0	389	0.02	<0.001	Well inaccessible; jet pump in vault below grade; sample collected from hose
	4779	583	1164	7.3	10.3	1.36	351	42.5	<0.05	<5.0	545	0.027	<0.001	Well inaccessible; jet pump in vault below grade; sample collected from hose
	4803													Water supplied by well at 4779 Pine Hill Rd
	4816													Water supplied by well at 4764 Pine Hill Rd
	4835	376	760	7.2	9.6	1.48	166	80	<0.05	<5.0	285	<0.01	<0.001	Sampled from tap, post filter; no softener; well inaccessible; originally a dug well, then a drilled well through the dug well
	4855	220	444	8.2	10.4	1.48	140	9.2	<0.05	<5.0	204	<0.01	<0.001	Low water level during a dry spell; sample collected from outside spigot
	4868	326	649	8.4	11.1	1.23	156	54.3	<0.05	<5.0	252	<0.01	<0.001	Well questionnaire not returned; sample collected from hose
	4871	230	459	8.4	11.4	1.02	148	9.8	<0.05	<5.0	209	<0.01	0.001	Well inaccessible; samples collected from outside spigot near wellhead
	4872													Well questionnaire not returned; Refused permission to sample well during field survey; could not find well
4881													Well questionnaire not returned; Nobody home during field survey; no contact information available	
Maple Street	13303	377	757	7.7	10.8	0.87	248	34.2	1.46	<5.0	400	0.294	0.034	Strong sulfur smell; sample collected from hose

Notes:


= No Sample Collected; see remarks



LEGEND

- Residential Well Location with Street Address
- 4720 Street Address with no Water Supply Well
- Test Pit Location
- Delineated Wetland Boundary
- Life of Mine Boundary
- Top of Stripping Slope
- - - Toe of Slope (Edge of Quarry)
- Graded Stripping Slope
- 1,000 Foot Radius From Quarry Face

Notes:
 -Orleans County 2017 natural color orthoimagery, U.S. Department of Agriculture, Aerial Photography Field Office.
 Image date: 9/11/2017.



**ALPHA
GEOSCIENCE**

Proj. No. 15139

FIGURE 1
 Residential Well Survey
 Location Map

Eagle Harbor Sand and Gravel
 Town of Barre
 Orleans County, New York



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

Property Owner / Resident Name(s): Steven PARSONS

Phone Number: 585-590-0083

Property Address: 13303 Maple St. Albion, N.Y. 14411

Mailing Address (if different): _____

Primary Water Supply (check one):

Town of Barre water: _____

Well on property: X

Spring on property: _____

RECEIVED
MAR 11 2019

Well Data:

Well Depth: _____

Depth of Casing: _____

Type of Aquifer: _____

(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm): _____

Well Driller: Browns well drilling & well service
716-494-1733

Do you have a well log from the driller? No

Completed by: Steven Parsons

Date: 2-6-19

If you get info could you send me a copy of well
Please



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

Property Owner / Resident Name(s): STEVEN & SUSAN ERNST

Phone Number: 585 721 0719

Property Address: 4721 PINE HILL ROAD ALBION, N.Y.

Mailing Address (if different): _____

Primary Water Supply (check one):

- Town of Barre water: _____
- Well on property: _____
- Spring on property: _____

RECEIVED
MAR 01 2019

Well Data:

Well Depth: 100 ft

Depth of Casing: 100 ft

Type of Aquifer: BEDROCK ?

(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm): _____

Well Driller: PAUL BAILEY

Do you have a well log from the driller? NO

Completed by: [Signature]

Date: 2/27/19



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

Residents!
Bill + Peggy Bennett

Property Owner / Resident Name(s): SCOTT BENNETT

Phone Number: 585-370-2414

Property Address: 4763 Pine Hill Rd Albion

Mailing Address (if different): same

Primary Water Supply (check one):

Town of Barre water: _____

Well on property: _____

Spring on property: _____

well next door to 4779 Pine Hill Rd

Well Data:

Well Depth: 90'

Depth of Casing: 90'

RECEIVED
MAR 07 2019

Type of Aquifer: Bedrock + sand + gravel
(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm): _____

Well Driller: _____

Do you have a well log from the driller? _____

Completed by: Bill Bennett

Date: 3/5/19



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

Property Owner / Resident Name(s): CALVIN R. NESBITT

Phone Number: 585 589 9904

Property Address: 4764 PINEHILL RD

Mailing Address (if different): _____

Primary Water Supply (check one):

Town of Barre water: _____

Well on property: _____

Spring on property: _____

Well Data:

Well Depth: 76'

Depth of Casing: 76'

Type of Aquifer: SAND AND GRAVEL

(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm): 60

Well Driller: DECEASED

Do you have a well log from the driller? NO

Are you willing to participate in the second phase of this water supply well survey?

YES _____ NO

Completed by: CALVIN R. NESBITT Date: 15 MAR 19



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

Property Owner / Resident Name(s):

Lawrence + Nancy Eastlack

Phone Number:

Property Address:

4816 Pine Hill Rd. Albion, NY 14411

Mailing Address (if different):

RECEIVED

MAR 07 2019

Primary Water Supply (check one):

Town of Barre water:

Well on property:

✓

Spring on property:

Well Data:

Well Depth:

?

Depth of Casing:

?

Type of Aquifer:

Unknown

(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm):

?

Well Driller:

?

Do you have a well log from the driller?

No

Completed by:

Nancy Eastlack
LR Eastlack

Date:

3/5/19

We have great water. Never a problem with having enough. Always tastes great.

Hope this will continue.



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

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MAR 01 2019

Property Owner / Resident Name(s): Suzanne Grimm

Phone Number: 585-283-4001

Property Address: 4855 Pine Hill Rd.

Mailing Address (if different): _____

Primary Water Supply (check one):

- Town of Barre water: _____
- Well on property: _____
- Spring on property: _____

Well Data:

Well Depth: ? Shallow Well was drilled 1981

Depth of Casing: _____

Type of Aquifer: ? _____

(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm): _____

Well Driller: Paul Bailey Sr.

Do you have a well log from the driller? No

Completed by: Suzanne Grimm

Date: 2-27-19



Residential Water Supply Survey

Please use the back of this page and extra sheets as necessary.

Property Owner / Resident Name(s): Karen Rutherford

Phone Number: 585-469-4431

Property Address: 4871 Pine Hill Rd Albion NY 14411

Mailing Address (if different): _____

Primary Water Supply (check one):

Town of Barre water: _____

Well on property: ✓

Spring on property: _____

RECEIVED
MAR 01 2019

Well Data:

Well Depth: 30' ±

Depth of Casing: _____

Type of Aquifer: sand and gravel

(bedrock OR sand and gravel, or Unknown):

Well Yield (gpm): _____

Well Driller: _____

Do you have a well log from the driller? No

Completed by: Karen Rutherford

Date: 2-26-19



Thursday, April 11, 2019

Attn:
Alpha GeoScience
679 Plank Road
Clifton Park, NY 12065

Project ID: EAGLE HARBOR
SDG ID: GCC89881
Sample ID#s: CC89881 - CC89887

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

April 11, 2019

SDG I.D.: GCC89881

Project ID: EAGLE HARBOR

Client Id	Lab Id	Matrix
4764	CC89881	DRINKING WATER
4868	CC89882	DRINKING WATER
4871	CC89883	DRINKING WATER
4855	CC89884	DRINKING WATER
4835	CC89885	DRINKING WATER
4779	CC89886	DRINKING WATER
13303	CC89887	DRINKING WATER



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Analysis Report

April 11, 2019

FOR: Attn:
 Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date

04/04/19
 04/05/19

Time

11:24
 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89881

Project ID: EAGLE HARBOR
 Client ID: 4764

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	389	0.1	1	mg/L				04/10/19		E200.7
Iron	0.020	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	< 0.001	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	306	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	43.1	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	< 0.05	0.05	1	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

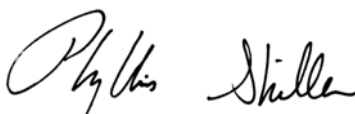
Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

April 11, 2019

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 11, 2019

FOR: Attn: Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date Time
 04/04/19 13:05
 04/05/19 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89882

Project ID: EAGLE HARBOR
 Client ID: 4868

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	252	0.1	1	mg/L				04/09/19		E200.7
Iron	< 0.010	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	< 0.001	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	156	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	54.3	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	< 0.05	0.05	1	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
-----------	--------	------------	-----	-------	----	-----	------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
 BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
 AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

April 11, 2019

Reviewed and Released by: Bobbi Aloisa, Vice President



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 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 11, 2019

FOR: Attn:
 Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date

04/04/19
 04/05/19

Time

13:35
 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89883

Project ID: EAGLE HARBOR
 Client ID: 4871

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	209	0.1	1	mg/L				04/09/19		E200.7
Iron	< 0.010	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	0.001	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	148	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	9.8	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	< 0.05	0.05	1	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Analysis Report

April 11, 2019

FOR: Attn:
 Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date

04/04/19
 04/05/19

Time

14:00
 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89884

Project ID: EAGLE HARBOR
 Client ID: 4855

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	204	0.1	1	mg/L				04/09/19		E200.7
Iron	< 0.010	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	< 0.001	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	140	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	9.2	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	< 0.05	0.05	1	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
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 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 11, 2019

FOR: Attn:
 Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date

04/04/19
 04/05/19

Time

14:20
 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89885

Project ID: EAGLE HARBOR
 Client ID: 4835

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	285	0.1	1	mg/L				04/10/19		E200.7
Iron	< 0.010	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	< 0.001	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	166	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	80.0	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	< 0.05	0.05	1	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
-----------	--------	------------	-----	-------	----	-----	------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
 BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
 AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal


Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 11, 2019

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 11, 2019

FOR: Attn: Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date

04/04/19
 04/05/19

Time

14:45
 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89886

Project ID: EAGLE HARBOR
 Client ID: 4779

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	545	0.1	1	mg/L				04/10/19		E200.7
Iron	0.027	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	< 0.001	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	351	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	42.5	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	< 0.05	0.05	1	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
-----------	--------	------------	-----	-------	----	-----	------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
 BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
 AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

April 11, 2019

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 11, 2019

FOR: Attn:
 Alpha GeoScience
 679 Plank Road
 Clifton Park, NY 12065

Sample Information

Matrix: DRINKING WATER
 Location Code: ALPHAGEO
 Rush Request: Standard
 P.O.#: 15139

Custody Information

Collected by: ST
 Received by: SW
 Analyzed by: see "By" below

Date

04/04/19
 04/05/19

Time

15:20
 16:40

Laboratory Data

SDG ID: GCC89881
 Phoenix ID: CC89887

Project ID: EAGLE HARBOR
 Client ID: 13303

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
Hardness (CaCO3)	400	0.1	1	mg/L				04/10/19		E200.7
Iron	0.294	0.010	1	mg/L			0.3	04/09/19	CPP	E200.7
Manganese	0.034	0.001	1	mg/L			0.05	04/09/19	CPP	E200.7
Alkalinity-CaCO3	248	20.0	1	mg/L				04/06/19	RWR	SM2320B-11
Chloride	34.2	3.0	1	mg/L			250	04/09/19	BS/GD	E300.0
Sulfide	1.46	0.25	5	mg/L				04/10/19	GD	SM4500S-D-11
Total Suspended Solids	< 5.0	5.0	1	mg/L				04/09/19	BJA/EG	SM2540D-11
Total Metal Digestion	Completed							04/08/19	AG/BF	E200.5/E200.7

Parameter	Result	RL/ PQL	DIL	Units	AL	MCL	MCLG	Date/Time	By	Reference
-----------	--------	------------	-----	-------	----	-----	------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
AL = Action Level MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal


Comments:

Maximum Contaminant Level (MCL) (Lower of): 40 CFR Part 141; Public Health Law, Section 225 Part 5. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Action Level (AL): (Lower of): 40 CFR Part 141.80; Public Health Law, Section 225 Part 5.

Secondary DW Maximum Contaminant Level Goal (MCLG): (Lower of): 40 CFR Part 141; 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

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Phyllis Shiller, Laboratory Director

April 11, 2019

Reviewed and Released by: Bobbi Aloisa, Vice President



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 Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

April 11, 2019

QA/QC Data

SDG I.D.: GCC89881

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 473902A (mg/L), QC Sample No: CC89800 (CC89881, CC89882, CC89883, CC89884, CC89885, CC89886, CC89887)													
<u>ICP Metals - Aqueous</u>													
Iron	BRL	0.010				101			101			85 - 115	20
Manganese	BRL	0.0010				98.4			99.5			85 - 115	20
Comment: This batch does not include a duplicate.													
Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.													



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 Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

April 11, 2019

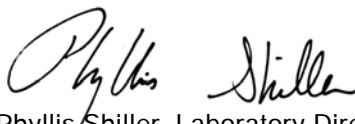
QA/QC Data

SDG I.D.: GCC89881

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 474151 (mg/L), QC Sample No: CC80867 (CC89881, CC89882, CC89883, CC89884, CC89885, CC89886, CC89887)													
Sulfide	BRL	0.05	0.49	0.49	0	102			94.0			90 - 110	20
QA/QC Batch 473982 (mg/L), QC Sample No: CC89819 (CC89881, CC89882, CC89883, CC89884, CC89885, CC89886)													
Total Suspended Solids	BRL	5.0	5.0	7.0	NC	90.0						85 - 115	20
QA/QC Batch 473828 (mg/L), QC Sample No: CC89823 (CC89881, CC89882, CC89883, CC89884, CC89885, CC89886, CC89887)													
Alkalinity-CaCO3	BRL	5.00	33	36	NC	102						85 - 115	20
QA/QC Batch 473996 (mg/L), QC Sample No: CC90435 (CC89887)													
Total Suspended Solids	BRL	5.0	<5.0	<5.0	NC	106						85 - 115	20
QA/QC Batch 474068 (mg/L), QC Sample No: CC89887 (CC89887)													
Chloride	BRL	3.0	34.2	34.0	0.60	98.6			110			90 - 110	20

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 April 11, 2019

Thursday, April 11, 2019

Criteria: NY: DW

State: NY

Sample Criteria Exceedances Report

GCC89881 - ALPHAGEO

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Comments

April 11, 2019

SDG I.D.: GCC89881

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

April 11, 2019

SDG I.D.: GCC89881

The samples in this delivery group were received at 1.4°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



NY/NJ/PA CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
 Client Services (860) 645-8726

Customer: Alpha Geoscience
 Address: 679 Plank Rd
Clifton Park, NY, 12065

Project: Eagle Harbor
 Report to: Steve Trader
 Invoice to: Alpha Geoscience
 QUOTE # : _____

Project P.O.: 15139

Sampler's Signature: Steve M Trader Date: 4/5/19

Client Sample - Information - Identification

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request
89881	4764	DW	4/4/19	11:24	Alkalinity
89882	4868	DW	4/4/19	13:05	Hardness
89883	4871	DW	4/4/19	13:35	Chloride
89884	4855	DW	4/4/19	14:00	TSS
89885	4835	DW	4/4/19	14:20	Manganese
89886	4779	DW	4/4/19	14:45	Iron
89887	13303	DW	4/4/19	15:20	Ammonia

Relinquished by: Steve M Trader Accepted by: [Signature] Date: 4/5/19 Time: 1340

Comments, Special Requirements or Regulations: Greg Monico HSP

Turnaround:
 1 Day*
 2 Days*
 3 Days*
 5 Days
 10 Days
 Other
 *SURCHARGE

Data Package:
 NJ Reduced Deliv.*
 NY Enhanced (ASP B)*

Data Format:
 Phoenix Std Report
 Excel
 PDF
 GIS/Key
 Other

PA: Clean Fill Limits
 PA-GW
 Reg Fill Limits
 PA Soil Restricted
 PA Soil non-restricted

NY: TOGS GW
 CP-51 SOIL
 375SCO
 Unrestricted Soil
 375SCO
 Residential Soil
 375SCO
 Residential
 375SCO
 Commercial Soil
 375SCO
 Industrial Soil
 Subpart 5 DW

State Samples Collected? NY

Cooler: Yes No
 Coolant: IPK ICE No
 Temp: 14 C Pg of _____
 Contact Options:
 Phone:
 Fax:
 Email: strader@alpha-geoscience.com

This section MUST be completed with Bottle Quantities.

GL Amber 8 oz WH904
 GL Soil Container () oz
 40 ml VOA Vial (natural) (H2O)
 GL Amber 100ml (Asic) (HCl)
 PL NAOH 250ml
 PL NAOH 150ml (100ml)
 Bacteria Bottle white
 Bacteria Bottle as is