

ANALYTICAL REPORT

Wednesday, June 10, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
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Project: Ground Water - Eel River Watershed
Location:

Order No.: 0804114

Dear Kim Michaelis:

GeoLabs, Inc. received 5 sample(s) on 4/8/2008 for the analyses presented in the following report.

Re-issued with lower detection limits for DON and PON. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114

Lab ID: 0804114-001
Client Sample ID: 5-S

Collection Date: 04/8/2008
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	365	5.00		mg/L	1	4/9/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	4/14/2008
Copper	ND	0.0400		mg/L	1	4/14/2008
Iron	4.96	0.0600		mg/L	1	4/14/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-001

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-001

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	88.9	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	118	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	92.1	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	110	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	208	7.50	mg/L	5	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.708	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.616	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-001

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.94	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	1.28	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
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S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

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ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-002

Lab ID: 0804114-002
Client Sample ID: 3D

Collection Date: 04/8/2008
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	76.0	5.00		mg/L	1	Analyst: AMS 4/9/2008
TOTAL METALS BY ICP - SW6010B						
Boron	0.0300	0.0300		mg/L	1	Analyst: QS 4/14/2008
Copper	ND	0.0400		mg/L	1	4/14/2008
Iron	0.244	0.0600		mg/L	1	4/14/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	Analyst: FC 4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	Analyst: kd 4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09

Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
 Project: Eel River Watershed

Lab Order: 0804114-002

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-002

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	99.7	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	119	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	93.3	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	109	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.608	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	10.3	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.302	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.241	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-002

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.45	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-003

Lab ID: 0804114-003

Collection Date: 04/8/2008

Client Sample ID: 2SR

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	61.0	5.00		mg/L	1	4/9/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	4/14/2008
Iron	0.120	0.0600		mg/L	1	4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09

Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-003

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-003

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	102	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	113	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	94.2	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	98.6	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.489	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	8.93	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.808	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.737	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-003

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.94	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-004

Lab ID: 0804114-004
Client Sample ID: 2DR

Collection Date: 04/8/2008
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	163	5.00		mg/L	1	4/9/2008
TOTAL METALS BY ICP – SW6010B						
Boron	ND	0.0300		mg/L	1	4/14/2008
Iron	12.0	0.600		mg/L	10	4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09

Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-004

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-004

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	102	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	106	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	116	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	97.3	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.268	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	83.0	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.297	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	0.0228	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.205	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-004

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.51	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-005

Lab ID: 0804114-005
Client Sample ID: BRADFORD

Collection Date: 04/8/2008
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	67.0	5.00		mg/L	1	Analyst: AMS 4/9/2008
TOTAL METALS BY ICP – SW6010B						
Boron	0.0370	0.0300		mg/L	1	Analyst: QS 4/14/2008
Copper	ND	0.0400		mg/L	1	4/14/2008
Iron	0.793	0.0600		mg/L	1	4/14/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	Analyst: FC 4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	Analyst: kd 4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-005

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-005

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	98.2	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	111	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	91.2	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	97.8	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.251	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	12.0	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.414	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.331	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804114-005

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.65	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804114

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

4114-001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/8/08	1100	SS	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
4/8/08	1323	3D	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

002

Relinquished By: Date/Time

Kim Michaelis 4/8/08

Received By:

Date/Time:

Kpm 4.8.08 3:35

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804114

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

4114-003

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/8/08	0840	2512	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
4/8/8	0920	2512	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

004

Relinquished By: Date/Time

Kim Michaelis 4/8/08

Received By:

Date/Time:

 4.8.08 3:35

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804114

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

4114-005

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/8/08	1405	Bradford	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 4/8/08

Received By:

Date/Time:

[Signature] 4.8.08 3:35

ANALYTICAL REPORT

Wednesday, June 10, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Ground Water - Eel River Watershed
Location:

Order No.: 0804133

Dear Kim Michaelis:

GeoLabs, Inc. received 3 sample(s) on 4/9/2008 for the analyses presented in the following report.

Re-issued with lower detection limits for DON and PON. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133

Lab ID: 080133-001
Client Sample ID: A15

Collection Date: 04/9/2008
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	141	5.00		mg/L	1	Analyst: AMS 4/10/2008
TOTAL METALS BY ICP – SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 4/14/2008
Copper	ND	0.0400		mg/L	1	4/14/2008
Iron	ND	0.0600		mg/L	1	4/14/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	Analyst: FC 4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	Analyst: kd 4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-001

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-001

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	89.9	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	99.6	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	108	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	101	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	0.0397	0.0257	mg/L	1	4/11/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.365	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	42.0	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	1.51	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/11/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	1.37	0.0270	mg/L	1	4/11/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-001

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	1.6	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-002

Lab ID: 080133-002

Collection Date: 04/9/2008

Client Sample ID: FSR

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C Analyst: AMS						
Total Dissolved Solids	232	5.00		mg/L	1	4/10/2008
TOTAL METALS BY ICP - SW6010B Analyst: QS						
Boron	ND	0.0300		mg/L	1	4/14/2008
Copper	ND	0.0400		mg/L	1	4/14/2008
Iron	0.0610	0.0600		mg/L	1	4/14/2008
TOTAL MERCURY - E245.1 Analyst: FC						
Mercury	ND	0.0005		mg/L	1	4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B Analyst: kd						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09

Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-002

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09

Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-002

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	101	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	96.6	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	101	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	99.9	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/11/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	124	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	ND	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/11/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.0418	0.0270	mg/L	1	4/11/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-002

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.49	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-003

Lab ID: 080133-003
Client Sample ID: A21

Collection Date: 04/9/2008
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C Analyst: AMS						
Total Dissolved Solids	89.0	5.00		mg/L	1	4/10/2008
TOTAL METALS BY ICP – SW6010B Analyst: QS						
Boron	ND	0.0300		mg/L	1	4/14/2008
Copper	ND	0.0400		mg/L	1	4/14/2008
Iron	1.95	0.0600		mg/L	1	4/14/2008
TOTAL MERCURY - E245.1 Analyst: FC						
Mercury	ND	0.0005		mg/L	1	4/14/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B Analyst: kd						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/11/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/11/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/11/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/11/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/11/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/11/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/11/2008
2-Butanone	ND	10.0		µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-003

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/11/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
2-Hexanone	ND	10.0	µg/L	1	4/11/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/11/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/11/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/11/2008
Acetone	ND	50.0	µg/L	1	4/11/2008
Acrolein	ND	50.0	µg/L	1	4/11/2008
Acrylonitrile	ND	50.0	µg/L	1	4/11/2008
Benzene	ND	1.00	µg/L	1	4/11/2008
Bromobenzene	ND	5.00	µg/L	1	4/11/2008
Bromochloromethane	ND	2.00	µg/L	1	4/11/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/11/2008
Bromoform	ND	2.00	µg/L	1	4/11/2008
Bromomethane	ND	2.00	µg/L	1	4/11/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/11/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/11/2008
Chlorobenzene	ND	5.00	µg/L	1	4/11/2008
Chloroethane	ND	5.00	µg/L	1	4/11/2008
Chloroform	ND	5.00	µg/L	1	4/11/2008
Chloromethane	ND	5.00	µg/L	1	4/11/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/11/2008
Dibromomethane	ND	5.00	µg/L	1	4/11/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/11/2008
Ethylbenzene	ND	5.00	µg/L	1	4/11/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/11/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/11/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/11/2008
Methylene Chloride	ND	5.00	µg/L	1	4/11/2008
Naphthalene	ND	20.0	µg/L	1	4/11/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/11/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Styrene	ND	5.00	µg/L	1	4/11/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/11/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/11/2008
Toluene	ND	5.00	µg/L	1	4/11/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/11/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/11/2008
Trichloroethene	ND	5.00	µg/L	1	4/11/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-003

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/11/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/11/2008
Xylenes, Total	ND	5.00	µg/L	1	4/11/2008
Surr: 1,2-Dichloroethane-d4	83.7	70-130	%REC	1	4/11/2008
Surr: 4-Bromofluorobenzene	96.5	70-130	%REC	1	4/11/2008
Surr: Dibromofluoromethane	108	70-130	%REC	1	4/11/2008
Surr: Toluene-d8	105	70-130	%REC	1	4/11/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/11/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/17/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.246	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	20.2	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.131	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/11/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.0544	0.0270	mg/L	1	4/11/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804133-003

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	ND	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804133

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

4133-001

008

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/9/08	1127	A15	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
4/9/08	1340	75R	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 4/9/08

Received By: Date/Time:

R.B. 4-9-08 4:00

Temp 10°C
ONCE

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804133

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

4133-003

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/9/08	1429	A21	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 4/9/08

Received By: Date/Time:

R. B 4-9-08 4:00

Temp 10C
on ICE

ANALYTICAL REPORT

Wednesday, June 10, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620

FAX: (508) 830-4081

Project: Ground Water - Eel River Watershed

Location:

Order No.: 0804097

Dear Kim Michaelis:

GeoLabs, Inc. received 4 sample(s) on 4/7/2008 for the analyses presented in the following report.

Re-issued with lower detection limits for DON and PON. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097

Lab ID: 0804097-001
Client Sample ID: A17

Collection Date: 04/7/2008 1:50:00 PM
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	102	5.00		mg/L	1	4/9/2008
Analyst: AMS						
TOTAL METALS BY ICP – SW6010B						
Boron	0.0520	0.0300		mg/L	1	4/10/2008
Copper	ND	0.0400		mg/L	1	4/10/2008
Iron	ND	0.0600		mg/L	1	4/10/2008
Analyst: QS						
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	4/10/2008
Analyst: FC						
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/8/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/8/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
2-Butanone	ND	10.0		µg/L	1	4/8/2008
Analyst: kd						

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-001

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/8/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
2-Hexanone	ND	10.0	µg/L	1	4/8/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/8/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/8/2008
Acetone	ND	50.0	µg/L	1	4/8/2008
Acrolein	ND	50.0	µg/L	1	4/8/2008
Acrylonitrile	ND	50.0	µg/L	1	4/8/2008
Benzene	ND	1.00	µg/L	1	4/8/2008
Bromobenzene	ND	5.00	µg/L	1	4/8/2008
Bromochloromethane	ND	2.00	µg/L	1	4/8/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/8/2008
Bromoform	ND	2.00	µg/L	1	4/8/2008
Bromomethane	ND	2.00	µg/L	1	4/8/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/8/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/8/2008
Chlorobenzene	ND	5.00	µg/L	1	4/8/2008
Chloroethane	ND	5.00	µg/L	1	4/8/2008
Chloroform	ND	5.00	µg/L	1	4/8/2008
Chloromethane	ND	5.00	µg/L	1	4/8/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/8/2008
Dibromomethane	ND	5.00	µg/L	1	4/8/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/8/2008
Ethylbenzene	ND	5.00	µg/L	1	4/8/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/8/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/8/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/8/2008
Methylene Chloride	ND	5.00	µg/L	1	4/8/2008
Naphthalene	ND	20.0	µg/L	1	4/8/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/8/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Styrene	ND	5.00	µg/L	1	4/8/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/8/2008
Toluene	ND	5.00	µg/L	1	4/8/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Trichloroethene	ND	5.00	µg/L	1	4/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-001

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/8/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/8/2008
Xylenes, Total	ND	5.00	µg/L	1	4/8/2008
Surr: 1,2-Dichloroethane-d4	108	70-130	%REC	1	4/8/2008
Surr: 4-Bromofluorobenzene	86.4	70-130	%REC	1	4/8/2008
Surr: Dibromofluoromethane	106	70-130	%REC	1	4/8/2008
Surr: Toluene-d8	103	70-130	%REC	1	4/8/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/9/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.143	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	21.0	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	1.35	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	2.58	0.0540	mg/L	2	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-001

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Total Dissolved Nitrogen	1.6	0.39	mg/L	1	5/3/2008	Analyst: RP
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TOTAL PHOSPHOROUS - L10-115-01-1E

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008	Analyst: RP
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-002

Lab ID: 0804097-002
Client Sample ID: DW-1

Collection Date: 04/7/2008 2:20:00 PM
Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	93.0	5.00		mg/L	1	4/9/2008
Analyst: AMS						
TOTAL METALS BY ICP – SW6010B						
Boron	0.0400	0.0300		mg/L	1	4/10/2008
Copper	ND	0.0400		mg/L	1	4/10/2008
Iron	ND	0.0600		mg/L	1	4/10/2008
Analyst: QS						
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	4/10/2008
Analyst: FC						
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/8/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/8/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
2-Butanone	ND	10.0		µg/L	1	4/8/2008
Analyst: kd						

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-002

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/8/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
2-Hexanone	ND	10.0	µg/L	1	4/8/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/8/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/8/2008
Acetone	ND	50.0	µg/L	1	4/8/2008
Acrolein	ND	50.0	µg/L	1	4/8/2008
Acrylonitrile	ND	50.0	µg/L	1	4/8/2008
Benzene	ND	1.00	µg/L	1	4/8/2008
Bromobenzene	ND	5.00	µg/L	1	4/8/2008
Bromochloromethane	ND	2.00	µg/L	1	4/8/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/8/2008
Bromoform	ND	2.00	µg/L	1	4/8/2008
Bromomethane	ND	2.00	µg/L	1	4/8/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/8/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/8/2008
Chlorobenzene	ND	5.00	µg/L	1	4/8/2008
Chloroethane	ND	5.00	µg/L	1	4/8/2008
Chloroform	ND	5.00	µg/L	1	4/8/2008
Chloromethane	ND	5.00	µg/L	1	4/8/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/8/2008
Dibromomethane	ND	5.00	µg/L	1	4/8/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/8/2008
Ethylbenzene	ND	5.00	µg/L	1	4/8/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/8/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/8/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/8/2008
Methylene Chloride	ND	5.00	µg/L	1	4/8/2008
Naphthalene	ND	20.0	µg/L	1	4/8/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/8/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Styrene	ND	5.00	µg/L	1	4/8/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/8/2008
Toluene	ND	5.00	µg/L	1	4/8/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Trichloroethene	ND	5.00	µg/L	1	4/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-002

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/8/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/8/2008
Xylenes, Total	ND	5.00	µg/L	1	4/8/2008
Surr: 1,2-Dichloroethane-d4	101	70-130	%REC	1	4/8/2008
Surr: 4-Bromofluorobenzene	89.1	70-130	%REC	1	4/8/2008
Surr: Dibromofluoromethane	118	70-130	%REC	1	4/8/2008
Surr: Toluene-d8	106	70-130	%REC	1	4/8/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/9/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	21.2	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	1.43	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	2.60	0.0540	mg/L	2	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-002

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	1.8	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097

Lab ID: 0804097-003

Collection Date: 04/7/2008 11:30:00 AM

Client Sample ID: A13

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	244	5.00		mg/L	1	4/9/2008
TOTAL METALS BY ICP – SW6010B						
Boron	0.0440	0.0300		mg/L	1	4/10/2008
Copper	ND	0.0400		mg/L	1	4/10/2008
Iron	3.19	0.0600		mg/L	1	4/10/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	4/10/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/8/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/8/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
2-Butanone	ND	10.0		µg/L	1	4/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-003

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/8/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
2-Hexanone	ND	10.0	µg/L	1	4/8/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/8/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/8/2008
Acetone	ND	50.0	µg/L	1	4/8/2008
Acrolein	ND	50.0	µg/L	1	4/8/2008
Acrylonitrile	ND	50.0	µg/L	1	4/8/2008
Benzene	ND	1.00	µg/L	1	4/8/2008
Bromobenzene	ND	5.00	µg/L	1	4/8/2008
Bromochloromethane	ND	2.00	µg/L	1	4/8/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/8/2008
Bromoform	ND	2.00	µg/L	1	4/8/2008
Bromomethane	ND	2.00	µg/L	1	4/8/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/8/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/8/2008
Chlorobenzene	ND	5.00	µg/L	1	4/8/2008
Chloroethane	ND	5.00	µg/L	1	4/8/2008
Chloroform	ND	5.00	µg/L	1	4/8/2008
Chloromethane	ND	5.00	µg/L	1	4/8/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/8/2008
Dibromomethane	ND	5.00	µg/L	1	4/8/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/8/2008
Ethylbenzene	ND	5.00	µg/L	1	4/8/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/8/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/8/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/8/2008
Methylene Chloride	ND	5.00	µg/L	1	4/8/2008
Naphthalene	ND	20.0	µg/L	1	4/8/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/8/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Styrene	ND	5.00	µg/L	1	4/8/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/8/2008
Toluene	ND	5.00	µg/L	1	4/8/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Trichloroethene	ND	5.00	µg/L	1	4/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-003

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/8/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/8/2008
Xylenes, Total	ND	5.00	µg/L	1	4/8/2008
Surr: 1,2-Dichloroethane-d4	102	70-130	%REC	1	4/8/2008
Surr: 4-Bromofluorobenzene	90.0	70-130	%REC	1	4/8/2008
Surr: Dibromofluoromethane	117	70-130	%REC	1	4/8/2008
Surr: Toluene-d8	101	70-130	%REC	1	4/8/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/9/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.189	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	124	3.00	mg/L	2	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.560	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.360	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-003

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.79	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers:

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097

Lab ID: 0804097-004

Collection Date: 04/7/2008 12:30:00 PM

Client Sample ID: GW1

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	238	5.00		mg/L	1	4/9/2008
TOTAL METALS BY ICP – SW6010B						
Boron	0.0370	0.0300		mg/L	1	4/10/2008
Copper	ND	0.0400		mg/L	1	4/10/2008
Iron	ND	0.0600		mg/L	1	4/10/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	4/10/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,1-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	4/8/2008
1,1,2-Trichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethane	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloroethene	ND	5.00		µg/L	1	4/8/2008
1,1-Dichloropropene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,3-Trichloropropane	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	4/8/2008
1,2-Dibromoethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,2-Dichloroethane	ND	2.00		µg/L	1	4/8/2008
1,2-Dichloropropane	ND	2.00		µg/L	1	4/8/2008
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
1,3-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
1,4-Dichlorobenzene	ND	5.00		µg/L	1	4/8/2008
2,2-Dichloropropane	ND	5.00		µg/L	1	4/8/2008
2-Butanone	ND	10.0		µg/L	1	4/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-004

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	4/8/2008
2-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
2-Hexanone	ND	10.0	µg/L	1	4/8/2008
4-Chlorotoluene	ND	5.00	µg/L	1	4/8/2008
4-Isopropyltoluene	ND	5.00	µg/L	1	4/8/2008
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	4/8/2008
Acetone	ND	50.0	µg/L	1	4/8/2008
Acrolein	ND	50.0	µg/L	1	4/8/2008
Acrylonitrile	ND	50.0	µg/L	1	4/8/2008
Benzene	ND	1.00	µg/L	1	4/8/2008
Bromobenzene	ND	5.00	µg/L	1	4/8/2008
Bromochloromethane	ND	2.00	µg/L	1	4/8/2008
Bromodichloromethane	ND	2.00	µg/L	1	4/8/2008
Bromoform	ND	2.00	µg/L	1	4/8/2008
Bromomethane	ND	2.00	µg/L	1	4/8/2008
Carbon Disulfide	ND	5.00	µg/L	1	4/8/2008
Carbon Tetrachloride	ND	2.00	µg/L	1	4/8/2008
Chlorobenzene	ND	5.00	µg/L	1	4/8/2008
Chloroethane	ND	5.00	µg/L	1	4/8/2008
Chloroform	ND	5.00	µg/L	1	4/8/2008
Chloromethane	ND	5.00	µg/L	1	4/8/2008
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Dibromochloromethane	ND	2.00	µg/L	1	4/8/2008
Dibromomethane	ND	5.00	µg/L	1	4/8/2008
Dichlorodifluoromethane	ND	5.00	µg/L	1	4/8/2008
Ethylbenzene	ND	5.00	µg/L	1	4/8/2008
Hexachlorobutadiene	ND	0.500	µg/L	1	4/8/2008
Isopropylbenzene	ND	5.00	µg/L	1	4/8/2008
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	4/8/2008
Methylene Chloride	ND	5.00	µg/L	1	4/8/2008
Naphthalene	ND	20.0	µg/L	1	4/8/2008
n-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
n-Propylbenzene	ND	5.00	µg/L	1	4/8/2008
sec-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Styrene	ND	5.00	µg/L	1	4/8/2008
tert-Butylbenzene	ND	5.00	µg/L	1	4/8/2008
Tetrachloroethene	ND	5.00	µg/L	1	4/8/2008
Toluene	ND	5.00	µg/L	1	4/8/2008
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	4/8/2008
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	4/8/2008
Trichloroethene	ND	5.00	µg/L	1	4/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-004

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	4/8/2008
Vinyl Chloride	ND	2.00	µg/L	1	4/8/2008
Xylenes, Total	ND	5.00	µg/L	1	4/8/2008
Surr: 1,2-Dichloroethane-d4	94.7	70-130	%REC	1	4/8/2008
Surr: 4-Bromofluorobenzene	119	70-130	%REC	1	4/8/2008
Surr: Dibromofluoromethane	96.9	70-130	%REC	1	4/8/2008
Surr: Toluene-d8	109	70-130	%REC	1	4/8/2008

ORTHOPHOSPHATE

Analyst: WFR

Phosphorus, Orthophosphate (As P)	ND	0.0257	mg/L	1	4/9/2008
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PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	4/9/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	4/26/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	74.6	1.50	mg/L	1	4/15/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C

Analyst: RP

Dissolved Inorganic Nitrogen	0.145	0.130	mg/L	1	5/5/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	4/9/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.318	0.0270	mg/L	1	4/9/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.41	0.130	mg/L	1	5/3/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	5/3/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 05-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804097-004

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.80	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804097

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water - Eel River Watershed, Plymouth MA**

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

1097-001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/7/8	1350	A17	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4 2
			1	250 mL Plastic	Copper, Mercury	HNO3 2
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE 7
			1	250 mL Plastic	Boron, Iron	HNO3 2
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE 7
4/7/8	1420	DW-1	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4 2
			1	250 mL Plastic	Copper, Mercury	HNO3 2
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE 7
			1	250 mL Plastic	Boron, Iron	HNO3 2
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE 7

002

Relinquished By: Date/Time

Kim Michaelis 4/7/08

Patrick Farah 4.7.08 4:05

Temp 6°

On Ice

Received By: Date/Time:

Kim Michaelis 4.7.08 3:20

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804097

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 / 508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

4097-003

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/7/8	1130	A13	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4 2
			1	250 mL Plastic	Copper, Mercury	HNO3 2
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3 2
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE 7
4/7/8	1230	Gw-1	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4 2
			1	250 mL Plastic	Copper, Mercury	HNO3 2
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE 7
			1	250 mL Plastic	Boron, Iron	HNO3 2
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE 7

004

Relinquished By: Date/Time

Kim Michaelis 4/7/8
Patrick Farah 4.7.08 4:05

Received By: Date/Time:

Kim Michaelis 4.7.08 3:20

Temp 6°
on Ica

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Ground Water - Eel River Watershed
Location: Plymouth, MA

Order No.: 0811356

Dear Kim Michaelis:

GeoLabs, Inc. received 3 sample(s) on 11/20/2008 for the analyses presented in the following report.

Re-issued with lower detection limit for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)

Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

Lab ID: 0811356-001

Collection Date: 11/20/2008 11:23:00 AM

Client Sample ID: 3D

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	66.0	5.00		mg/L	1	Analyst: FC 11/21/2008
TOTAL METALS BY ICP - SW6010B						
Copper	ND	0.0400		mg/L	1	Analyst: QS 11/25/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 11/25/2008
Iron	ND	0.0600		mg/L	1	11/25/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	Analyst: EC 11/25/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	Analyst: ZYZ 11/25/2008 10:13:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/25/2008 10:13:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/25/2008 10:13:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/25/2008 10:13:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/25/2008 10:13:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/25/2008 10:13:00 PM
2-Butanone	ND	10.0		µg/L	1	11/25/2008 10:13:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09

Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
2-Chlorotoluene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
2-Hexanone	ND	10.0	µg/L	1	11/25/2008 10:13:00 PM
4-Chlorotoluene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Acetone	ND	50.0	µg/L	1	11/25/2008 10:13:00 PM
Acrolein	ND	50.0	µg/L	1	11/25/2008 10:13:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/25/2008 10:13:00 PM
Benzene	ND	1.00	µg/L	1	11/25/2008 10:13:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Bromoform	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Bromomethane	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Chloroethane	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Chloroform	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Chloromethane	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/25/2008 10:13:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/25/2008 10:13:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Naphthalene	ND	20.0	µg/L	1	11/25/2008 10:13:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Styrene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Toluene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/25/2008 10:13:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 II Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

Trichlorofluoromethane	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/25/2008 10:13:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/25/2008 10:13:00 PM
Surr: 1,2-Dichloroethane-d4	100	70-130	%REC	1	11/25/2008 10:13:00 PM
Surr: 4-Bromofluorobenzene	101	70-130	%REC	1	11/25/2008 10:13:00 PM
Surr: Dibromofluoromethane	95.5	70-130	%REC	1	11/25/2008 10:13:00 PM
Surr: Toluene-d8	98.7	70-130	%REC	1	11/25/2008 10:13:00 PM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	H mg/L	1	11/24/2008 12:10:00 PM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	12/3/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	7.89	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/21/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	ND	0.0270	mg/L	1	11/21/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.365	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 18-Dec-08**CLIENT:** Town of Plymouth
Project: Ground Water - Eel River Watershed**Lab Order:** 0811356**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen 0.423 0.393 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

Lab ID: 0811356-002

Collection Date: 11/20/2008 8:00:00 AM

Client Sample ID: Bradford

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	43.0	5.00		mg/L	1	11/21/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Copper	ND	0.0400		mg/L	1	11/25/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Boron	ND	0.0300		mg/L	1	11/25/2008
Iron	2.24	0.0600		mg/L	1	11/25/2008

TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/25/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/25/2008 10:49:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/25/2008 10:49:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/25/2008 10:49:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/25/2008 10:49:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/25/2008 10:49:00 PM
2-Butanone	ND	10.0		µg/L	1	11/25/2008 10:49:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
2-Chlorotoluene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
2-Hexanone	ND	10.0	µg/L	1	11/25/2008 10:49:00 PM
4-Chlorotoluene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Acetone	ND	50.0	µg/L	1	11/25/2008 10:49:00 PM
Acrolein	ND	50.0	µg/L	1	11/25/2008 10:49:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/25/2008 10:49:00 PM
Benzene	ND	1.00	µg/L	1	11/25/2008 10:49:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Bromoform	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Bromomethane	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Chloroethane	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Chloroform	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Chloromethane	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/25/2008 10:49:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/25/2008 10:49:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Naphthalene	ND	20.0	µg/L	1	11/25/2008 10:49:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Styrene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Toluene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/25/2008 10:49:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

Trichlorofluoromethane	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/25/2008 10:49:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/25/2008 10:49:00 PM
Surr: 1,2-Dichloroethane-d4	106	70-130	%REC	1	11/25/2008 10:49:00 PM
Surr: 4-Bromofluorobenzene	100	70-130	%REC	1	11/25/2008 10:49:00 PM
Surr: Dibromofluoromethane	99.1	70-130	%REC	1	11/25/2008 10:49:00 PM
Surr: Toluene-d8	96.6	70-130	%REC	1	11/25/2008 10:49:00 PM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	H mg/L	1	11/24/2008 12:10:00 PM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	12/3/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	9.61	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/21/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.0273	0.0270	mg/L	1	11/21/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.211	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	2.88	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 18-Dec-08**CLIENT:** Town of Plymouth
Project: Ground Water - Eel River Watershed**Lab Order:** 0811356**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen ND 0.393 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.259 0.0400 mg/L 1 12/10/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

Lab ID: 0811356-003

Collection Date: 11/20/2008 10:25:00 AM

Client Sample ID: A15

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	125	5.00		mg/L	1	Analyst: FC 11/21/2008
TOTAL METALS BY ICP - SW6010B						
Copper	ND	0.0400		mg/L	1	Analyst: QS 11/25/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 11/25/2008
Iron	0.288	0.0600		mg/L	1	11/25/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	Analyst: EC 11/25/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	Analyst: ZYZ 11/25/2008 11:24:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/25/2008 11:24:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/25/2008 11:24:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/25/2008 11:24:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/25/2008 11:24:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/25/2008 11:24:00 PM
2-Butanone	ND	10.0		µg/L	1	11/25/2008 11:24:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
II Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
2-Chlorotoluene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
2-Hexanone	ND	10.0	µg/L	1	11/25/2008 11:24:00 PM
4-Chlorotoluene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Acetone	ND	50.0	µg/L	1	11/25/2008 11:24:00 PM
Acrolein	ND	50.0	µg/L	1	11/25/2008 11:24:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/25/2008 11:24:00 PM
Benzene	ND	1.00	µg/L	1	11/25/2008 11:24:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Bromoform	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Bromomethane	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Chloroethane	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Chloroform	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Chloromethane	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/25/2008 11:24:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/25/2008 11:24:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Naphthalene	ND	20.0	µg/L	1	11/25/2008 11:24:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Styrene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Toluene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/25/2008 11:24:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 18-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811356

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: ZYZ

Trichlorofluoromethane	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/25/2008 11:24:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/25/2008 11:24:00 PM
Surr: 1,2-Dichloroethane-d4	99.3	70-130	%REC	1	11/25/2008 11:24:00 PM
Surr: 4-Bromofluorobenzene	97.1	70-130	%REC	1	11/25/2008 11:24:00 PM
Surr: Dibromofluoromethane	97.7	70-130	%REC	1	11/25/2008 11:24:00 PM
Surr: Toluene-d8	98.5	70-130	%REC	1	11/25/2008 11:24:00 PM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	0.030	0.020	H	mg/L	1	11/24/2008 12:10:00 PM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	12/3/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	32.4	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	1.46	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/21/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	1.40	0.0270	mg/L	1	11/21/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.387	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 18-Dec-08**CLIENT:** Town of Plymouth
Project: Ground Water - Eel River Watershed**Lab Order:** 0811356**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen 1.83 0.393 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us
Project Name: **Ground Water** - Eel River Watershed, Plymouth MA
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

11356-001
↓

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/20/08	1123	3D	1	Vial	POC ✓	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 11/20/08Ken W/ Kenner 11-20-08 3:45

Received By: Date/Time:

Ken W/ Kenner 11-20-08 1:30KC 11/20/08 PM

0211356

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody**Client:**

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us
Project Name: **Ground Water** - Eel River Watershed, Plymouth MA
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/20/08	0800	Bradford	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
11/20/08	1025	ALS	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 11/20/08
Patrick Farah 11-20-08 3:45

Received By: Date/Time:

Kim Michaelis 11-20-08 1:30
KC 11/20/08 PM

0811356

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Eel River Watershed
Location: Plymouth, MA

Order No.: 0811274

Dear Kim Michaelis:

GeoLabs, Inc. received 4 sample(s) on 11/17/2008 for the analyses presented in the following report.

Re-issued with lower detection limits for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

Lab ID: 0811274-001

Collection Date: 11/17/2008 10:40:00 AM

Client Sample ID: GW-1

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	186	5.00		mg/L	1	11/18/2008
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TOTAL METALS BY ICP - E200.7

Analyst: QS

Copper	ND	0.00800		mg/L	1	11/20/2008
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TOTAL METALS BY ICP - E200.7

Analyst: QS

Boron	ND	0.0300		mg/L	1	11/20/2008
Iron	ND	0.0600		mg/L	1	11/20/2008

TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/18/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/23/2008 6:36:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/23/2008 6:36:00 AM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/23/2008 6:36:00 AM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/23/2008 6:36:00 AM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 6:36:00 AM
2-Butanone	ND	10.0		µg/L	1	11/23/2008 6:36:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
2-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
2-Hexanone	ND	10.0	µg/L	1	11/23/2008 6:36:00 AM
4-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Acetone	ND	50.0	µg/L	1	11/23/2008 6:36:00 AM
Acrolein	ND	50.0	µg/L	1	11/23/2008 6:36:00 AM
Acrylonitrile	ND	50.0	µg/L	1	11/23/2008 6:36:00 AM
Benzene	ND	1.00	µg/L	1	11/23/2008 6:36:00 AM
Bromobenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Bromochloromethane	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Bromodichloromethane	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Bromoform	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Bromomethane	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Carbon Disulfide	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Chlorobenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Chloroethane	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Chloroform	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Chloromethane	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 6:36:00 AM
Dibromochloromethane	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Dibromomethane	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Ethylbenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/23/2008 6:36:00 AM
Isopropylbenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Methylene Chloride	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Naphthalene	ND	20.0	µg/L	1	11/23/2008 6:36:00 AM
n-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
n-Propylbenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
sec-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Styrene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
tert-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Tetrachloroethene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Toluene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 6:36:00 AM
Trichloroethene	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Vinyl Chloride	ND	2.00	µg/L	1	11/23/2008 6:36:00 AM
Xylenes, Total	ND	5.00	µg/L	1	11/23/2008 6:36:00 AM
Surr: 1,2-Dichloroethane-d4	103	70-130	%REC	1	11/23/2008 6:36:00 AM
Surr: 4-Bromofluorobenzene	101	70-130	%REC	1	11/23/2008 6:36:00 AM
Surr: Dibromofluoromethane	106	70-130	%REC	1	11/23/2008 6:36:00 AM
Surr: Toluene-d8	106	70-130	%REC	1	11/23/2008 6:36:00 AM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/19/2008 9:15:00 AM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	11/20/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	65.0	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	0.246	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/19/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.154	0.0270	mg/L	1	11/19/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.335	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR

Analyst: **RP**

Total Dissolved Nitrogen	0.53	0.39	mg/L	1	12/12/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: **RP**

Total Phosphorous	ND	0.0400	mg/L	1	12/10/2008
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Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

Lab ID: 0811274-002

Collection Date: 11/17/2008 11:35:00 AM

Client Sample ID: A13

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	209	5.00		mg/L	1	11/18/2008
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TOTAL METALS BY ICP - E200.7

Analyst: QS

Copper	ND	0.00800		mg/L	1	11/20/2008
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TOTAL METALS BY ICP - E200.7

Analyst: QS

Boron	ND	0.0300		mg/L	1	11/20/2008
Iron	2.56	0.0600		mg/L	1	11/20/2008

TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/18/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/23/2008 7:12:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/23/2008 7:12:00 AM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/23/2008 7:12:00 AM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/23/2008 7:12:00 AM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 7:12:00 AM
2-Butanone	ND	10.0		µg/L	1	11/23/2008 7:12:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
2-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
2-Hexanone	ND	10.0	µg/L	1	11/23/2008 7:12:00 AM
4-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Acetone	ND	50.0	µg/L	1	11/23/2008 7:12:00 AM
Acrolein	ND	50.0	µg/L	1	11/23/2008 7:12:00 AM
Acrylonitrile	ND	50.0	µg/L	1	11/23/2008 7:12:00 AM
Benzene	ND	1.00	µg/L	1	11/23/2008 7:12:00 AM
Bromobenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Bromochloromethane	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Bromodichloromethane	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Bromoform	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Bromomethane	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Carbon Disulfide	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Chlorobenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Chloroethane	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Chloroform	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Chloromethane	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 7:12:00 AM
Dibromochloromethane	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Dibromomethane	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Ethylbenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/23/2008 7:12:00 AM
Isopropylbenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Methylene Chloride	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Naphthalene	ND	20.0	µg/L	1	11/23/2008 7:12:00 AM
n-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
n-Propylbenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
sec-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Styrene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
tert-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Tetrachloroethene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Toluene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 7:12:00 AM
Trichloroethene	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Vinyl Chloride	ND	2.00	µg/L	1	11/23/2008 7:12:00 AM
Xylenes, Total	ND	5.00	µg/L	1	11/23/2008 7:12:00 AM
Surr: 1,2-Dichloroethane-d4	104	70-130	%REC	1	11/23/2008 7:12:00 AM
Surr: 4-Bromofluorobenzene	100	70-130	%REC	1	11/23/2008 7:12:00 AM
Surr: Dibromofluoromethane	107	70-130	%REC	1	11/23/2008 7:12:00 AM
Surr: Toluene-d8	104	70-130	%REC	1	11/23/2008 7:12:00 AM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/19/2008 9:15:00 AM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	11/20/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.169	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	125	3.00	mg/L	2	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	0.254	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/19/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.158	0.0270	mg/L	1	11/19/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.355	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 17-Dec-08**CLIENT:** Town of Plymouth
Project: Eel River Watershed**Lab Order:** 0811274**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen 0.69 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

Lab ID: 0811274-003

Collection Date: 11/17/2008 11:50:00 AM

Client Sample ID: DW-1

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	219	5.00		mg/L	1	11/18/2008
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TOTAL METALS BY ICP - E200.7

Analyst: QS

Copper	ND	0.00800		mg/L	1	11/20/2008
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TOTAL METALS BY ICP - E200.7

Analyst: QS

Boron	ND	0.0300		mg/L	1	11/20/2008
Iron	2.48	0.0600		mg/L	1	11/20/2008

TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/18/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/23/2008 7:47:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/23/2008 7:47:00 AM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/23/2008 7:47:00 AM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/23/2008 7:47:00 AM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 7:47:00 AM
2-Butanone	ND	10.0		µg/L	1	11/23/2008 7:47:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
2-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
2-Hexanone	ND	10.0	µg/L	1	11/23/2008 7:47:00 AM
4-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Acetone	ND	50.0	µg/L	1	11/23/2008 7:47:00 AM
Acrolein	ND	50.0	µg/L	1	11/23/2008 7:47:00 AM
Acrylonitrile	ND	50.0	µg/L	1	11/23/2008 7:47:00 AM
Benzene	ND	1.00	µg/L	1	11/23/2008 7:47:00 AM
Bromobenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Bromochloromethane	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Bromodichloromethane	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Bromoform	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Bromomethane	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Carbon Disulfide	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Chlorobenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Chloroethane	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Chloroform	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Chloromethane	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 7:47:00 AM
Dibromochloromethane	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Dibromomethane	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Ethylbenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/23/2008 7:47:00 AM
Isopropylbenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Methylene Chloride	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Naphthalene	ND	20.0	µg/L	1	11/23/2008 7:47:00 AM
n-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
n-Propylbenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
sec-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Styrene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
tert-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Tetrachloroethene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Toluene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 7:47:00 AM
Trichloroethene	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Vinyl Chloride	ND	2.00	µg/L	1	11/23/2008 7:47:00 AM
Xylenes, Total	ND	5.00	µg/L	1	11/23/2008 7:47:00 AM
Surr: 1,2-Dichloroethane-d4	104	70-130	%REC	1	11/23/2008 7:47:00 AM
Surr: 4-Bromofluorobenzene	98.2	70-130	%REC	1	11/23/2008 7:47:00 AM
Surr: Dibromofluoromethane	105	70-130	%REC	1	11/23/2008 7:47:00 AM
Surr: Toluene-d8	103	70-130	%REC	1	11/23/2008 7:47:00 AM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/19/2008 9:15:00 AM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	1.1	1.0	mg/L	1	11/20/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	0.175	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	127	3.00	mg/L	2	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	0.243	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/19/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.141	0.0270	mg/L	1	11/19/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.485	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 17-Dec-08**CLIENT:** Town of Plymouth
Project: Eel River Watershed**Lab Order:** 0811274**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen 0.81 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

Lab ID: 0811274-004

Collection Date: 11/17/2008 1:55:00 PM

Client Sample ID: FSR

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	294	5.00		mg/L	1	Analyst: FC 11/18/2008
TOTAL METALS BY ICP - E200.7						
Copper	ND	0.00800		mg/L	1	Analyst: QS 11/20/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 11/20/2008
Iron	ND	0.0600		mg/L	1	11/20/2008
TOTAL MERCURY - E245.1						
Mercury	ND	0.0005		mg/L	1	Analyst: EC 11/18/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	Analyst: Admin 11/23/2008 8:22:00 AM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/23/2008 8:22:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/23/2008 8:22:00 AM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/23/2008 8:22:00 AM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/23/2008 8:22:00 AM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 8:22:00 AM
2-Butanone	ND	10.0		µg/L	1	11/23/2008 8:22:00 AM

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
2-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
2-Hexanone	ND	10.0	µg/L	1	11/23/2008 8:22:00 AM
4-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Acetone	ND	50.0	µg/L	1	11/23/2008 8:22:00 AM
Acrolein	ND	50.0	µg/L	1	11/23/2008 8:22:00 AM
Acrylonitrile	ND	50.0	µg/L	1	11/23/2008 8:22:00 AM
Benzene	ND	1.00	µg/L	1	11/23/2008 8:22:00 AM
Bromobenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Bromochloromethane	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Bromodichloromethane	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Bromoform	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Bromomethane	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Carbon Disulfide	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Chlorobenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Chloroethane	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Chloroform	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Chloromethane	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 8:22:00 AM
Dibromochloromethane	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Dibromomethane	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Ethylbenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/23/2008 8:22:00 AM
Isopropylbenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Methylene Chloride	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Naphthalene	ND	20.0	µg/L	1	11/23/2008 8:22:00 AM
n-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
n-Propylbenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
sec-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Styrene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
tert-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Tetrachloroethene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Toluene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 8:22:00 AM
Trichloroethene	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811274

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Vinyl Chloride	ND	2.00	µg/L	1	11/23/2008 8:22:00 AM
Xylenes, Total	ND	5.00	µg/L	1	11/23/2008 8:22:00 AM
Surr: 1,2-Dichloroethane-d4	102	70-130	%REC	1	11/23/2008 8:22:00 AM
Surr: 4-Bromofluorobenzene	103	70-130	%REC	1	11/23/2008 8:22:00 AM
Surr: Dibromofluoromethane	108	70-130	%REC	1	11/23/2008 8:22:00 AM
Surr: Toluene-d8	104	70-130	%REC	1	11/23/2008 8:22:00 AM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/19/2008 9:15:00 AM
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NOTES:

Sample was analyzed at M-RI010.

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	11/20/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	169	3.00	mg/L	2	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	0.182	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/19/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	ND	0.0270	mg/L	1	11/19/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.313	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 17-Dec-08**CLIENT:** Town of Plymouth
Project: Eel River Watershed**Lab Order:** 0811274**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR****Analyst:** RP

Total Dissolved Nitrogen ND 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1E**Analyst:** RP

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us
Project Name: **Ground Water** - Eel River Watershed, Plymouth MA
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

11274-001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/17/08	1040	Gw-1	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4 2
			1	250 mL Plastic	Copper, Mercury	HNO3 2
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE 2
			1	250 mL Plastic	Boron, Iron	HNO3 2
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE 2
11/17/08	1135	A13	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

002

Relinquished By: Date/Time

Kim Michaelis 11/17/08

Received By: Date/Time:

Kc 11/17/08 PM

08 11274

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us
Project Name: **Ground Water** - Eel River Watershed, Plymouth MA
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/17/08	1150	DM1-1	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
11/17/08	1255	75K	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 11/17/08

Received By: Date/Time:

KC 11/17/08 PM

0811274

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Ground Water - Eel River Watershed
Location: Plymouth

Order No.: 0811327

Dear Kim Michaelis:

GeoLabs, Inc. received 4 sample(s) on 11/19/2008 for the analyses presented in the following report.

Re-issued with lower detection limit for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

Lab ID: 0811327-001

Collection Date: 11/19/2008 11:20:00 AM

Client Sample ID: A21

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	77.0	5.00		mg/L	1	11/21/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Copper	ND	0.0400		mg/L	1	11/24/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Boron	0.116	0.0300		mg/L	1	11/24/2008
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Iron	1.25	0.0600		mg/L	1	11/24/2008
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TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/24/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/21/2008 7:14:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/21/2008 7:14:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/21/2008 7:14:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/21/2008 7:14:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 7:14:00 PM
2-Butanone	ND	10.0		µg/L	1	11/21/2008 7:14:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
2-Chlorotoluene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
2-Hexanone	ND	10.0	µg/L	1	11/21/2008 7:14:00 PM
4-Chlorotoluene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Acetone	ND	50.0	µg/L	1	11/21/2008 7:14:00 PM
Acrolein	ND	50.0	µg/L	1	11/21/2008 7:14:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/21/2008 7:14:00 PM
Benzene	ND	1.00	µg/L	1	11/21/2008 7:14:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Bromoform	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Bromomethane	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Chloroethane	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Chloroform	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Chloromethane	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 7:14:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/21/2008 7:14:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Naphthalene	ND	20.0	µg/L	1	11/21/2008 7:14:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Styrene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Toluene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 7:14:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

Trichlorofluoromethane	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/21/2008 7:14:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/21/2008 7:14:00 PM
Surr: 1,2-Dichloroethane-d4	101	70-130	%REC	1	11/21/2008 7:14:00 PM
Surr: 4-Bromofluorobenzene	102	70-130	%REC	1	11/21/2008 7:14:00 PM
Surr: Dibromofluoromethane	100	70-130	%REC	1	11/21/2008 7:14:00 PM
Surr: Toluene-d8	89.1	70-130	%REC	1	11/21/2008 7:14:00 PM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/20/2008
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NOTES:

Analyzed by New England Testing Lab RI-010

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	12/3/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	19.6	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	0.321	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/21/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	ND	0.0270	mg/L	1	11/21/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.279	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 17-Dec-08**CLIENT:** Town of Plymouth
Project: Ground Water - Eel River Watershed**Lab Order:** 0811327**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen ND 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

Lab ID: 0811327-002

Collection Date: 11/19/2008 1:20:00 PM

Client Sample ID: 5S

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	489	5.00		mg/L	1	11/21/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Copper	ND	0.0400		mg/L	1	11/24/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Boron	0.0700	0.0300		mg/L	1	11/24/2008
Iron	0.226	0.0600		mg/L	1	11/24/2008

TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/24/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/21/2008 7:54:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/21/2008 7:54:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/21/2008 7:54:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/21/2008 7:54:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 7:54:00 PM
2-Butanone	ND	10.0		µg/L	1	11/21/2008 7:54:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
2-Chlorotoluene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
2-Hexanone	ND	10.0	µg/L	1	11/21/2008 7:54:00 PM
4-Chlorotoluene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Acetone	ND	50.0	µg/L	1	11/21/2008 7:54:00 PM
Acrolein	ND	50.0	µg/L	1	11/21/2008 7:54:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/21/2008 7:54:00 PM
Benzene	ND	1.00	µg/L	1	11/21/2008 7:54:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Bromoform	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Bromomethane	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Chloroethane	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Chloroform	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Chloromethane	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 7:54:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/21/2008 7:54:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Naphthalene	ND	20.0	µg/L	1	11/21/2008 7:54:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Styrene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Toluene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 7:54:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

Trichlorofluoromethane	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/21/2008 7:54:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/21/2008 7:54:00 PM
Surr: 1,2-Dichloroethane-d4	105	70-130	%REC	1	11/21/2008 7:54:00 PM
Surr: 4-Bromofluorobenzene	99.5	70-130	%REC	1	11/21/2008 7:54:00 PM
Surr: Dibromofluoromethane	106	70-130	%REC	1	11/21/2008 7:54:00 PM
Surr: Toluene-d8	88.1	70-130	%REC	1	11/21/2008 7:54:00 PM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/20/2008
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NOTES:

Analyzed by New England Testing Lab RI-010

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	12/3/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	88.1	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	0.417	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/21/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	0.314	0.0270	mg/L	1	11/21/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.256	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 17-Dec-08**CLIENT:** Town of Plymouth
Project: Ground Water - Eel River Watershed**Lab Order:** 0811327**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen 0.61 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.175 0.0400 mg/L 1 12/10/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

Lab ID: 0811327-003

Collection Date: 11/19/2008 8:55:00 AM

Client Sample ID: 2SR

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: FC
Total Dissolved Solids	60.0	5.00		mg/L	1	11/21/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	0.0530	0.0300		mg/L	1	11/24/2008
Iron	ND	0.0600		mg/L	1	11/24/2008
VOLATILE ORGANIC COMPOUNDS - SW8260B						Analyst: MR
1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/21/2008 8:33:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/21/2008 8:33:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/21/2008 8:33:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/21/2008 8:33:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
2-Butanone	ND	10.0		µg/L	1	11/21/2008 8:33:00 PM
2-Chloroethyl Vinyl Ether	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
2-Chlorotoluene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
2-Hexanone	ND	10.0		µg/L	1	11/21/2008 8:33:00 PM
4-Chlorotoluene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
4-Isopropyltoluene	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
4-Methyl-2-Pentanone	ND	5.00		µg/L	1	11/21/2008 8:33:00 PM
Acetone	ND	50.0		µg/L	1	11/21/2008 8:33:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

Acrolein	ND	50.0	µg/L	1	11/21/2008 8:33:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/21/2008 8:33:00 PM
Benzene	ND	1.00	µg/L	1	11/21/2008 8:33:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Bromoform	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Bromomethane	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Chloroethane	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Chloroform	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Chloromethane	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 8:33:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/21/2008 8:33:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Naphthalene	ND	20.0	µg/L	1	11/21/2008 8:33:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Styrene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Toluene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 8:33:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Trichlorofluoromethane	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/21/2008 8:33:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/21/2008 8:33:00 PM
Surr: 1,2-Dichloroethane-d4	101	70-130	%REC	1	11/21/2008 8:33:00 PM
Surr: 4-Bromofluorobenzene	100	70-130	%REC	1	11/21/2008 8:33:00 PM
Surr: Dibromofluoromethane	106	70-130	%REC	1	11/21/2008 8:33:00 PM
Surr: Toluene-d8	88.6	70-130	%REC	1	11/21/2008 8:33:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P) ND 0.020 mg/L 1 11/20/2008

NOTES:

Analyzed by New England Testing Lab RI-010

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon ND 1.0 mg/L 1 12/3/2008

NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N) ND 0.130 mg/L 1 12/4/2008

CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride ND 1.50 mg/L 1 12/2/2008

DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen 1.29 0.130 mg/L 1 12/15/2008

NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N) ND 0.0220 mg/L 1 11/21/2008

NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N) 1.17 0.0270 mg/L 1 11/21/2008

DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen 0.279 0.130 mg/L 1 12/12/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen ND 0.130 mg/L 1 12/15/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR

Analyst: RP

Total Dissolved Nitrogen 1.5 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

Lab ID: 0811327-004

Collection Date: 11/19/2008 9:37:00 AM

Client Sample ID: 2DR

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	176	5.00		mg/L	1	11/21/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Boron	0.0360	0.0300		mg/L	1	11/24/2008
Iron	7.34	0.0600		mg/L	1	11/24/2008

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/21/2008 9:12:00 PM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/21/2008 9:12:00 PM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/21/2008 9:12:00 PM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/21/2008 9:12:00 PM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
2-Butanone	ND	10.0		µg/L	1	11/21/2008 9:12:00 PM
2-Chloroethyl Vinyl Ether	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
2-Chlorotoluene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
2-Hexanone	ND	10.0		µg/L	1	11/21/2008 9:12:00 PM
4-Chlorotoluene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
4-Isopropyltoluene	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
4-Methyl-2-Pentanone	ND	5.00		µg/L	1	11/21/2008 9:12:00 PM
Acetone	ND	50.0		µg/L	1	11/21/2008 9:12:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

Acrolein	ND	50.0	µg/L	1	11/21/2008 9:12:00 PM
Acrylonitrile	ND	50.0	µg/L	1	11/21/2008 9:12:00 PM
Benzene	ND	1.00	µg/L	1	11/21/2008 9:12:00 PM
Bromobenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Bromochloromethane	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Bromodichloromethane	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Bromoform	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Bromomethane	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Carbon Disulfide	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Chlorobenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Chloroethane	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Chloroform	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Chloromethane	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 9:12:00 PM
Dibromochloromethane	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Dibromomethane	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Ethylbenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/21/2008 9:12:00 PM
Isopropylbenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Methylene Chloride	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Naphthalene	ND	20.0	µg/L	1	11/21/2008 9:12:00 PM
n-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
n-Propylbenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
sec-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Styrene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
tert-Butylbenzene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Tetrachloroethene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Toluene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/21/2008 9:12:00 PM
Trichloroethene	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Trichlorofluoromethane	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Vinyl Chloride	ND	2.00	µg/L	1	11/21/2008 9:12:00 PM
Xylenes, Total	ND	5.00	µg/L	1	11/21/2008 9:12:00 PM
Surr: 1,2-Dichloroethane-d4	120	70-130	%REC	1	11/21/2008 9:12:00 PM
Surr: 4-Bromofluorobenzene	99.0	70-130	%REC	1	11/21/2008 9:12:00 PM
Surr: Dibromofluoromethane	115	70-130	%REC	1	11/21/2008 9:12:00 PM
Surr: Toluene-d8	87.5	70-130	%REC	1	11/21/2008 9:12:00 PM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Ground Water - Eel River Watershed

Lab Order: 0811327

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: MR

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P) ND 0.020 mg/L 1 11/20/2008

NOTES:

Analyzed by New England Testing Lab RI-010

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon ND 1.0 mg/L 1 12/3/2008

NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N) ND 0.130 mg/L 1 12/4/2008

CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride 74.8 1.50 mg/L 1 12/2/2008

DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen 0.402 0.130 mg/L 1 12/15/2008

NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N) 0.0364 0.0220 mg/L 1 11/21/2008

NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N) ND 0.0270 mg/L 1 11/21/2008

DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen 0.188 0.130 mg/L 1 12/12/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen 0.132 0.130 mg/L 1 12/15/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR

Analyst: RP

Total Dissolved Nitrogen ND 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

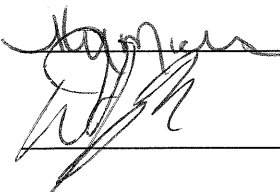
Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

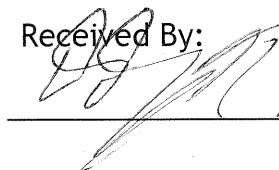
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/19/08	1120	A21	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
11/19/08	1320	SS	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

 11/19/08
11/19/08 4:05 PM

Received By: Date/Time:

 11-19-08 330

0811327

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

Client:

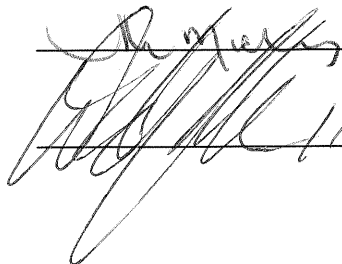
Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

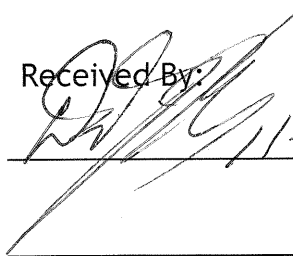
Sampler: Kim Michaelis (KM), Patrick Farah (PF)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/19/08	0855	2512	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
11/19/08	0937	2512	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

 11/19/08
11-19-08 405

Received By: Date/Time:

 11-19-08 330PM

0811327

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Eel River Watershed
Location: Plymouth, MA

Order No.: 0811301

Dear Kim Michaelis:

GeoLabs, Inc. received 1 sample(s) on 11/18/2008 for the analyses presented in the following report.

Re-issued with lower detection limit for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811301

Lab ID: 0811301-001

Collection Date: 11/18/2008 12:47:00 PM

Client Sample ID: A17

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
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TOTAL DISSOLVED SOLIDS - SM2540C

Analyst: FC

Total Dissolved Solids	62.0	5.00		mg/L	1	11/18/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Copper	ND	0.0400		mg/L	1	11/20/2008
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TOTAL METALS BY ICP - SW6010B

Analyst: QS

Boron	0.101	0.0300		mg/L	1	11/20/2008
Iron	1.14	0.0600		mg/L	1	11/20/2008

TOTAL MERCURY - E245.1

Analyst: EC

Mercury	ND	0.0005		mg/L	1	11/24/2008
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VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

1,1,1,2-Tetrachloroethane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,1,1-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,1,2,2-Tetrachloroethane	ND	2.00		µg/L	1	11/23/2008 6:01:00 AM
1,1,2-Trichloroethane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,1-Dichloroethane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,1-Dichloroethene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,1-Dichloropropene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2,3-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2,3-Trichloropropane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2,4-Trichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2,4-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2-Dibromo-3-Chloropropane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2-Dibromoethane	ND	2.00		µg/L	1	11/23/2008 6:01:00 AM
1,2-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,2-Dichloroethane	ND	2.00		µg/L	1	11/23/2008 6:01:00 AM
1,2-Dichloropropane	ND	2.00		µg/L	1	11/23/2008 6:01:00 AM
1,3,5-Trimethylbenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,3-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,3-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
1,4-Dichlorobenzene	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
2,2-Dichloropropane	ND	5.00		µg/L	1	11/23/2008 6:01:00 AM
2-Butanone	ND	10.0		µg/L	1	11/23/2008 6:01:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811301

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

2-Chloroethyl Vinyl Ether	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
2-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
2-Hexanone	ND	10.0	µg/L	1	11/23/2008 6:01:00 AM
4-Chlorotoluene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
4-Isopropyltoluene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
4-Methyl-2-Pentanone	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Acetone	ND	50.0	µg/L	1	11/23/2008 6:01:00 AM
Acrolein	ND	50.0	µg/L	1	11/23/2008 6:01:00 AM
Acrylonitrile	ND	50.0	µg/L	1	11/23/2008 6:01:00 AM
Benzene	ND	1.00	µg/L	1	11/23/2008 6:01:00 AM
Bromobenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Bromochloromethane	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Bromodichloromethane	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Bromoform	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Bromomethane	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Carbon Disulfide	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Carbon Tetrachloride	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Chlorobenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Chloroethane	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Chloroform	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Chloromethane	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
cis-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
cis-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 6:01:00 AM
Dibromochloromethane	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Dibromomethane	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Dichlorodifluoromethane	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Ethylbenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Hexachlorobutadiene	ND	0.500	µg/L	1	11/23/2008 6:01:00 AM
Isopropylbenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Methyl Tert-Butyl Ether	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Methylene Chloride	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Naphthalene	ND	20.0	µg/L	1	11/23/2008 6:01:00 AM
n-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
n-Propylbenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
sec-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Styrene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
tert-Butylbenzene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Tetrachloroethene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Toluene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
trans-1,2-Dichloroethene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
trans-1,3-Dichloropropene	ND	0.500	µg/L	1	11/23/2008 6:01:00 AM
Trichloroethene	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 17-Dec-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0811301

VOLATILE ORGANIC COMPOUNDS - SW8260B

Analyst: Admin

Trichlorofluoromethane	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Vinyl Chloride	ND	2.00	µg/L	1	11/23/2008 6:01:00 AM
Xylenes, Total	ND	5.00	µg/L	1	11/23/2008 6:01:00 AM
Surr: 1,2-Dichloroethane-d4	103	70-130	%REC	1	11/23/2008 6:01:00 AM
Surr: 4-Bromofluorobenzene	99.1	70-130	%REC	1	11/23/2008 6:01:00 AM
Surr: Dibromofluoromethane	107	70-130	%REC	1	11/23/2008 6:01:00 AM
Surr: Toluene-d8	107	70-130	%REC	1	11/23/2008 6:01:00 AM

ORTHOPHOSPHATE

Analyst: SUB

Phosphorus, Orthophosphate (As P)	ND	0.020	mg/L	1	11/20/2008
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NOTES:

Analyzed by New England Testing Lab RI-010

PARTICULATE ORGANIC CARBON - E415.1

Analyst: SUB

Particulate Organic Carbon	ND	1.0	mg/L	1	11/20/2008
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NOTES:

Sample was analyzed at MA-00071.

AMMONIA (AS N) - SM18 4500-NH3-B,C

Analyst: RP

Ammonia (as N)	ND	0.130	mg/L	1	12/4/2008
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CHLORIDE - L-10-177-07-1-B

Analyst: RP

Chloride	18.5	1.50	mg/L	1	12/2/2008
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DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3

Analyst: RP

Dissolved Inorganic Nitrogen	1.92	0.130	mg/L	1	12/15/2008
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NITRITE - L10-107-05-1-A

Analyst: RP

Nitrite (as N)	ND	0.0220	mg/L	1	11/19/2008
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NITRATE - L10-107-04-1-C

Analyst: RP

Nitrate (as N)	1.83	0.0270	mg/L	1	11/19/2008
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DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: RP

Dissolved Organic Nitrogen	0.301	0.130	mg/L	1	12/12/2008
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: RP

Particulate Organic Nitrogen	ND	0.130	mg/L	1	12/15/2008
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Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 17-Dec-08**CLIENT:** Town of Plymouth
Project: Eel River Watershed**Lab Order:** 0811301**TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Analyst: **RP**

Total Dissolved Nitrogen ND 0.39 mg/L 1 12/12/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 12/10/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis/
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198/
kmichaelis@townhall.plymouth.ma.us

Project Name: **Ground Water** - Eel River Watershed, Plymouth MA

Sampler: Kim Michaelis (KM), Patrick Farah (PF)

11301-001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
11/18/08	1247	A17	1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4 ²
			1	250 mL Plastic	Copper, Mercury	HNO3 ²
			1	1 L Plastic	Orthophosphate, NO3, NO2, CL	NONE ⁷
			1	250 mL Plastic	Boron, Iron	HNO3 ²
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE ²
			1	Vial	POC	HCL
			1	Vial	POC	NONE
			2	Vials	VOC	HCL
			1	1 L Plastic	NH3, Total Phosphorus, PON	H2SO4
			1	250 mL Plastic	Copper, Mercury	HNO3
			1	500 mL Plastic	Orthophosphate, NO3, NO2, CL	NONE
			1	250 mL Plastic	Boron, Iron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE

Relinquished By: Date/Time

Kim Michaelis 11/18/08

Received By: Date/Time:

Kc 11/18/08 3:50

0811301

ANALYTICAL REPORT

Wednesday, June 10, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Surface Water - Eel River
Location:

Order No.: 0804159

Dear Kim Michaelis:

GeoLabs, Inc. received 10 sample(s) on 4/11/2008 for the analyses presented in the following report.

Re-issued with lower detection limits for DON and PON. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159

Lab ID: 080159-001
Client Sample ID: S-1

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	131	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	0.178	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	38.8	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	0.560	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.459	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-001

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Total Dissolved Nitrogen	0.71	0.39	mg/L	1	5/3/2008	Analyst: RP
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TOTAL PHOSPHOROUS - L10-115-01-1E

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008	Analyst: RP
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CHLOROPHYLL- A

Chlorophyll a	0.970	0.500	mg/m3	1	4/15/2008	Analyst: SUB
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-002

Lab ID: 080159-002
Client Sample ID: S-9A

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed	
TOTAL DISSOLVED SOLIDS - SM2540C							Analyst: AMS
Total Dissolved Solids	143	5.00		mg/L	1	4/15/2008	
TOTAL METALS BY ICP – SW6010B							Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008	
ORTHOPHOSPHATE							Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008	
PARTICULATE ORGANIC CARBON - E415.1							Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008	
NOTES:							
Sample was analyzed at MA-00071.							
AMMONIA (AS N) - SM18 4500-NH3-B,C							Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008	
CHLORIDE - L-10-177-07-1-B							Analyst: RP
Chloride	45.6	1.50		mg/L	1	4/15/2008	
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C							Analyst: RP
Dissolved Inorganic Nitrogen	0.592	0.130		mg/L	1	5/5/2008	
NITRITE - L10-107-05-1-A							Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008	
NITRATE - L10-107-04-1-C							Analyst: RP
Nitrate (as N)	0.508	0.0270		mg/L	1	4/11/2008	
DON - SM4500-NORG-B,C, SM4500-NH3-B,C							Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C							Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008	

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-002

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.73	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	ABS	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-003

Lab ID: 080159-003

Collection Date: 04/10/2008

Client Sample ID: S-3A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	103	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	1.1	1.0		mg/L	1	4/17/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	21.9	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	0.311	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.257	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-003

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	1.8	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	7.70	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-004

Lab ID: 080159-004
Client Sample ID: S-2B

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	86.0	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	1.4	1.0		mg/L	1	4/17/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	20.4	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	0.268	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.214	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-004

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.45	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	12.6	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-005

Lab ID: 080159-001
Client Sample ID: S-4B

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C Total Dissolved Solids	73.0	5.00		mg/L	1	Analyst: AMS 4/15/2008
TOTAL METALS BY ICP - SW6010B Boron	ND	0.0300		mg/L	1	Analyst: QS 4/15/2008
ORTHOPHOSPHATE Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: WFR 4/11/2008
PARTICULATE ORGANIC CARBON - E415.1 Particulate Organic Carbon NOTES: Sample was analyzed at MA-00071.	ND	1.0		mg/L	1	Analyst: SUB 4/17/2008
AMMONIA (AS N) - SM18 4500-NH3-B,C Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 4/26/2008
CHLORIDE - L-10-177-07-1-B Chloride	20.7	1.50		mg/L	1	Analyst: RP 4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C Dissolved Inorganic Nitrogen	0.194	0.130		mg/L	1	Analyst: RP 5/5/2008
NITRITE - L10-107-05-1-A Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 4/11/2008
NITRATE - L10-107-04-1-C Nitrate (as N)	0.146	0.0270		mg/L	1	Analyst: RP 4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C Dissolved Organic Nitrogen	ND	0.130		mg/L	1	Analyst: RP 5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C Particulate Organic Nitrogen	ND	0.130		mg/L	1	Analyst: RP 5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-005

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.48	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	2.40	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-006

Lab ID: 080159-006
Client Sample ID: S-8A

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	141	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	21.2	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.0273	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.58	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-006

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.66	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	3.40	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-007

Lab ID: 080159-007

Collection Date: 04/10/2008

Client Sample ID: S-5B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	106	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	31.7	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	0.252	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.170	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-007

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.50	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	5.60	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-008

Lab ID: 080159-008
Client Sample ID: S-8B

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	201	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	0.649	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	70.6	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	0.198	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.168	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.51	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	ABS	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-009

Lab ID: 080159-009
Client Sample ID: S-21

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	122	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	43.1	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	1.23	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	1.14	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-009

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	1.6	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	13.1	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-010

Lab ID: 080159-010
Client Sample ID: S-6A

Collection Date: 04/10/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						Analyst: AMS
Total Dissolved Solids	71.0	5.00		mg/L	1	4/15/2008
TOTAL METALS BY ICP - SW6010B						Analyst: QS
Boron	ND	0.0300		mg/L	1	4/15/2008
ORTHOPHOSPHATE						Analyst: WFR
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	4/11/2008
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	4/17/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: RP
Ammonia (as N)	ND	0.130		mg/L	1	4/26/2008
CHLORIDE - L-10-177-07-1-B						Analyst: RP
Chloride	17.2	1.50		mg/L	1	4/15/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3-B,C						Analyst: RP
Dissolved Inorganic Nitrogen	0.841	0.130		mg/L	1	5/5/2008
NITRITE - L10-107-05-1-A						Analyst: RP
Nitrite (as N)	ND	0.0220		mg/L	1	4/11/2008
NITRATE - L10-107-04-1-C						Analyst: RP
Nitrate (as N)	0.413	0.0270		mg/L	1	4/11/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130		mg/L	1	5/3/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 10-Jun-09
Original Reported Date: 06-May-08

CLIENT: Town of Plymouth
Project: Eel River Watershed

Lab Order: 0804159-010

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORG-B,C

Analyst: RP

Total Dissolved Nitrogen	0.76	0.39	mg/L	1	5/3/2008
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TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous	ND	0.04	mg/L	1	4/26/2008
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CHLOROPHYLL- A

Analyst: SUB

Chlorophyll a	2.50	0.500	mg/m3	1	4/15/2008
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NOTES:

Sample was analyzed at M-MA003.

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804159

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

4159 -
001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/10/08	1015	S-1	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
4/10/08	1030	S-9A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

602

Relinquished By: Date/Time

Kim Michaelis 4/10/08

Received By:

R.B.

Date/Time:

4-10-08 4:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804159

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

4159
005

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/10/08	0915	S-4B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
4/10/08	0920	S-8A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

006

Relinquished By: Date/Time

Kim Michaelis 4/10/08

Received By: Date/Time:

R.B. 4-10-08 4:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804159

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

4159-007

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/10/08	0840	S-5B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
↓	↓	↓	1	250 mL Plastic	Boron	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a	NONE
4/10/08	0850	S-8B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
↓	↓	↓	1	250 mL Plastic	Boron	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a	NONE

008

Relinquished By: Date/Time

Kim Michaelis 4/10/08

Received By: Date/Time:

R.B. 4-10-08 4:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0804159

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
4/10/08	1045	S-21	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
4/10/08	1115	S-6A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

Relinquished By: Date/Time

Kim Michaelis 4/10/08

Received By: Date/Time:

R.B. 4-10-08 4:00pm

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Habor Sampling
Location:

Order No.: 0807447

Dear Kim Michaelis:

GeoLabs, Inc. received 12 sample(s) on 7/29/2008 for the analyses presented in the following report.

Re-issued with lower detection limits for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Harbor Sampling

Lab Order: 0807447

Lab ID: 0807447-001

Collection Date: 7/29/2008 9:00:00 AM

Client Sample ID: S-10

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	8/8/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.350	0.130		mg/L	1	8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0236	0.0220		mg/L	1	7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	ND	0.0270		mg/L	1	7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
Dissolved Organic Nitrogen	0.231	0.130		mg/L	1	8/15/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						
Particulate Organic Nitrogen	ND	0.130		mg/L	1	8/22/2008
TOTAL KJELDAHL NITROGEN - SM18 B,C						
Nitrogen, Total Kjeldahl	0.156	0.105		mg/L	1	8/1/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						
Total Dissolved Nitrogen	0.32	0.040		mg/L	1	8/15/2008
TOTAL PHOSPHOROUS - L10-115-01-1E						
Total Phosphorous	ND	0.0400		mg/L	1	8/5/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**TOTAL PHOSPHOROUS - L10-115-01-1E**

Analyst: RP

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Habor Sampling

Lab Order: 0807447

Lab ID: 0807447-002

Collection Date: 7/29/2008 9:20:00 AM

Client Sample ID: S-7

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	8/1/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.153	0.130		mg/L	1	8/8/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.175	0.130		mg/L	1	8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0222	0.0220		mg/L	1	7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	ND	0.0270		mg/L	1	7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	8/15/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						
Particulate Organic Nitrogen	ND	0.130		mg/L	1	8/22/2008
TOTAL KJELDAHL NITROGEN - SM18 B,C						
Nitrogen, Total Kjeldahl	ND	0.105		mg/L	1	8/1/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						
Total Dissolved Nitrogen	0.24	0.040		mg/L	1	8/15/2008
TOTAL PHOSPHOROUS - L10-115-01-1E						
Total Phosphorous	1.58	0.0400		mg/L	1	8/5/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**TOTAL PHOSPHOROUS - L10-115-01-1E**Analyst: **RP**

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.**45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811**

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Habor Sampling

Lab Order: 0807447

Lab ID: 0807447-003

Collection Date: 7/29/2008 10:35:00 AM

Client Sample ID: S-8B

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	360	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	0.0370	0.0300	B	mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	1.20	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES: Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	72.3	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.295	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0253	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.164	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.176 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.42 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.607 0.0400 mg/L 1 8/5/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Habor Sampling

Lab Order: 0807447

Lab ID: 0807447-004

Collection Date: 7/29/2008 10:40:00 AM

Client Sample ID: S-5B

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	181	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	0.0410	0.0300	B	mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	30.4	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES: Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.352	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	93.8	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.279	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0616	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	0.164	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Dissolved Organic Nitrogen 0.174 0.130 mg/L 1 8/15/2008 Analyst: **RP****PON-SM4500-NH3-B,C, SM4500-NORG-B,C**Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008 Analyst: **WFR****TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR**Total Dissolved Nitrogen 0.60 0.040 mg/L 1 8/15/2008 Analyst: **RP****TOTAL PHOSPHOROUS - L10-115-01-1E**Total Phosphorous 0.714 0.0400 mg/L 1 8/5/2008 Analyst: **RP**

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Harbor Sampling

Lab Order: 0807447

Lab ID: 0807447-005

Collection Date: 7/29/2008 12:10:00 PM

Client Sample ID: S-21

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	176	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	3.40	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES:						
Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.164	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	33.6	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.510	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.388	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
Analyst: RP						

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.208 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.77 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.828 0.0400 mg/L 1 8/5/2008

Qualifiers:B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Harbor Sampling

Lab Order: 0807447

Lab ID: 0807447-006

Collection Date: 7/29/2008 12:40:00 PM

Client Sample ID: S-6B

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	142	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	0.0340	0.0300	B	mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	6.70	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES:						
Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.552	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	91.1	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.433	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.319	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	0.0262	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Harbor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen ND 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen 0.304 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.66 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.962 0.0400 mg/L 1 8/5/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Harbor Sampling

Lab Order: 0807447

Lab ID: 0807447-007

Collection Date: 7/29/2008 11:40:00 AM

Client Sample ID: S-1

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	189	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	2.90	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES:						
Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.713	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	39.6	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.513	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.292	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Harbor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen ND 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen 0.468 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.75 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.726 0.0400 mg/L 1 8/5/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Harbor Sampling

Lab Order: 0807447

Lab ID: 0807447-008

Collection Date: 7/29/2008 12:00:00 PM

Client Sample ID: S-9A

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	170	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	0.0300	0.0300		mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	1.20	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES:						
Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.164	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	32.4	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.550	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.370	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Harbor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.230 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.77 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.857 0.0400 mg/L 1 8/5/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Harbor Sampling

Lab Order: 0807447

Lab ID: 0807447-009

Collection Date: 7/29/2008 11:05:00 AM

Client Sample ID: S-3A

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	166	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	0.0360	0.0300	B	mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	20.5	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES:						
Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	44.1	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.169	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.128	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Harbor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.517 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.74 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.789 0.0400 mg/L 1 8/5/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Habor Sampling

Lab Order: 0807447

Lab ID: 0807447-010

Collection Date: 7/29/2008 11:25:00 AM

Client Sample ID: S-2B

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	167	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	7.80	0.500		mg/m³	1	Analyst: SUB 7/30/2008
NOTES:						
Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	23.1	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0374	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	0.0737	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.638 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.78 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.998 0.0400 mg/L 1 8/5/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Habor Sampling

Lab Order: 0807447

Lab ID: 0807447-011

Collection Date: 7/29/2008 10:50:00 AM

Client Sample ID: S-4B

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	227	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	31.8	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES: Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.158	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	20.8	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.909	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.508	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	0.0704	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	1.09	0.130	mg/L	1	8/15/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.130	mg/L	1	8/22/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	1.8	0.040	mg/L	1	8/15/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	0.758	0.0400	mg/L	1	8/5/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 22-Aug-08

CLIENT: Town of Plymouth
Project: Habor Sampling

Lab Order: 0807447

Lab ID: 0807447-012

Collection Date: 7/29/2008 10:58:00 AM

Client Sample ID: S-8A

Matrix: GROUNDWATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	198	5.00		mg/L	1	Analyst: Admin 7/30/2008
TOTAL METALS BY ICP - SW6010B						
Boron	ND	0.0300		mg/L	1	Analyst: QS 8/4/2008
CHLOROPHYLL - A						
Chlorophyll a	4.10	0.500		mg/m ³	1	Analyst: SUB 7/30/2008
NOTES: Sample was analyzed at M-MA003.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 8/1/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.136	0.130		mg/L	1	Analyst: WFR 8/8/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	23.0	1.50		mg/L	1	Analyst: RP 8/4/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.743	0.130		mg/L	1	Analyst: WFR 8/22/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 7/30/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0536	0.0270		mg/L	1	Analyst: RP 7/30/2008
ORTHOPHOSPHATE, WATER - SM4500-P-E						
Phosphorus, Orthophosphate (As P)	ND	0.0257		mg/L	1	Analyst: RP 7/30/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 22-Aug-08**CLIENT:** Town of Plymouth
Project: Habor Sampling**Lab Order:** 0807447**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.798 0.130 mg/L 1 8/15/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 8/22/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 1.0 0.040 mg/L 1 8/15/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous 0.729 0.0400 mg/L 1 8/5/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0807447

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Harbor Sampling -Plymouth MA**
Sampler: Kim Michaelis (KM)

7447-001

7447-001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
7/29/08	0900	S-10	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate 7	NONE
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON 7	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON, TKN 2	H2SO4
002						
7/29/08	0920	S-7	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate 7	NONE
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON 7	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON, TKN 2	H2SO4

Relinquished By: Date/Time

Kim Michaelis 7/29/08M.C. 7/29/08 2:25

Received By: Date/Time:

M.C. 7/29/08 1:35R.B. 7-29-08 3:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0807447

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
7/29	1035	S-8B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride ⁷	NONE
↓	↓	↓	1	250 mL Plastic	Boron ²	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS ⁷	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON ²	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a ⁷	NONE
7/29	1040	S-5B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride ⁷	NONE
↓	↓	↓	1	250 mL Plastic	Boron ²	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS ⁷	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON ²	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a ⁷	NONE

Relinquished By: Date/Time

Kim Michaelis

M.C. 7/29/08 2:25

Received By: Date/Time:

M.C. 7/29/08 1:35

R.B. 7-29-08 3:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0807447

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

005

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
7/29	1210	S-21	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
↓	↓	↓	1	250 mL Plastic	Boron 2	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a 7	NONE
↓	↓	↓				
7/29	1240	S-6B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
↓	↓	↓	1	250 mL Plastic	Boron 2	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a 7	NONE

006

Relinquished By: Date/Time

Kim MichaelisM. C. 7/29/08 2:25

Received By: Date/Time:

M. C. 7/29/08 1:35R. B. 7-29-08 3:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0807447

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
007 7/29	1140	S-1	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
			1	250 mL Plastic	Boron 2	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a 7	NONE
008 7/29	1200	S-9A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
			1	250 mL Plastic	Boron 2	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a 7	NONE

Relinquished By: Date/Time

Kim Michaelis

M.C. 7/29/08 2:25

Received By: Date/Time:

M.C. 7/29/08 1:35

R.B. 7-29-08 3:50

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0807447

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

009

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
7/29	1105	S-3A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
			1	250 mL Plastic	Boron 2	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a 7	NONE
7/29	1125	S-2B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
			1	250 mL Plastic	Boron 2	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a 7	NONE

010

Relinquished By: Date/Time

Kim Michaelis

M.C. 7/29/08 2:25

Received By: Date/Time:

M.C. 7/29/08 1:35

R.B. 7-29-08 3:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0807447

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
011 7/29	1050	S-4B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
			1	250 mL Plastic	Boron 2	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a 7	NONE
012 7/29	1055	S-8A	1	Glass Vial	POC	HCL
	1055		1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride 7	NONE
			1	250 mL Plastic	Boron 2	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS 7	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON 2	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a 7	NONE

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

M.C. 7/29/08 1:35

M.C. 7/29/08 2:25

R.B. 7-29-08 3:00

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Surface Water-Eel River, Plymouth MA
Location:

Order No.: 0808432

Dear Kim Michaelis:

GeoLabs, Inc. received 13 sample(s) on 8/28/2008 for the analyses presented in the following report.

Re-issued with lower detection limit for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-001

Collection Date: 8/28/2008 11:05:00 AM

Client Sample ID: S-9A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	107	5.00		mg/L	1	9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	1.2	1.0		mg/L	1	9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	43.4	1.50		mg/L	1	9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.906	0.130		mg/L	1	9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.437	0.0270		mg/L	1	8/29/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	0.185	0.130	mg/L	1	9/18/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.130	mg/L	1	9/18/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	1.1	0.39	mg/L	1	9/18/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	9/15/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-002

Collection Date: 8/28/2008 11:15:00 AM

Client Sample ID: S-21

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	104	5.00		mg/L	1	9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0310	0.0300		mg/L	1	9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	5.00	0.500		mg/m ³	1	8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	43.9	1.50		mg/L	1	9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	1.39	0.130		mg/L	1	9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0346	0.0220		mg/L	1	8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.758	0.0270		mg/L	1	8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Dissolved Organic Nitrogen 0.172 0.130 mg/L 1 9/18/2008 Analyst: WFR

PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008 Analyst: WFR

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR

Total Dissolved Nitrogen 1.8 0.39 mg/L 1 9/18/2008 Analyst: RP

TOTAL PHOSPHOROUS - L10-115-01-1E

Total Phosphorous ND 0.0400 mg/L 1 9/15/2008 Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-003

Collection Date: 8/28/2008 9:45:00 AM

Client Sample ID: S-4B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	56.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	22.4	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.283	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0229	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0359	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **WFR**

Dissolved Organic Nitrogen 0.265 0.130 mg/L 1 9/18/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen ND 0.39 mg/L 1 9/18/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 9/15/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-004

Collection Date: 8/28/2008 10:00:00 AM

Client Sample ID: S-3A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	61.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	14.6	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	22.9	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.458	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0323	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.299	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

DON - SM4500-NORG-B,C, SM4500-NH3-B,C

Analyst: WFR

Dissolved Organic Nitrogen 0.280 0.130 mg/L 1 9/18/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Analyst: WFR

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR

Analyst: RP

Total Dissolved Nitrogen 0.94 0.39 mg/L 1 9/18/2008

TOTAL PHOSPHOROUS - L10-115-01-1E

Analyst: RP

Total Phosphorous 1.41 0.0400 mg/L 1 9/15/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-005

Collection Date: 8/28/2008 12:55:00 PM

Client Sample ID: S-8A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	4.50	0.500		mg/m³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	1.7	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	13.2	1.50		mg/L	1	Analyst: RP 9/3/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0326	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.202	0.0270		mg/L	1	Analyst: RP 8/29/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						
Particulate Organic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 9/18/2008
TOTAL PHOSPHOROUS - L10-115-01-1E						
Total Phosphorous	ND	0.0400		mg/L	1	Analyst: RP 9/15/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-006

Collection Date: 8/28/2008 10:20:00 AM

Client Sample ID: S-2B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	56.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	3.80	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	20.3	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.172	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0257	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0386	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **WFR**

Dissolved Organic Nitrogen 0.404 0.130 mg/L 1 9/18/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.73 0.39 mg/L 1 9/18/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 9/15/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-007

Collection Date: 8/28/2008 10:40:00 AM

Client Sample ID: S-1

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	106	5.00		mg/L	1	9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	2.10	0.500		mg/m ³	1	8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	18	1.0		mg/L	1	9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	22.9	1.50		mg/L	1	9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.288	0.130		mg/L	1	9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0423	0.0220		mg/L	1	8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.116	0.0270		mg/L	1	8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **WFR**

Dissolved Organic Nitrogen 0.497 0.130 mg/L 1 9/18/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 0.63 0.39 mg/L 1 9/18/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 9/15/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-008

Collection Date: 8/28/2008 11:50:00 AM

Client Sample ID: S-6A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	63.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	4.00	0.500		mg/m³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.030	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	1.67	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.967	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0357	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.358	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	0.295	0.130	mg/L	1	9/18/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.130	mg/L	1	9/18/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	1.0	0.39	mg/L	1	9/18/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	9/15/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-009

Collection Date: 8/28/2008 12:10:00 PM

Client Sample ID: S-12

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	57.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	2.10	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	1.0	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	1.64	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.826	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.396	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.319	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **WFR**

Dissolved Organic Nitrogen 0.264 0.130 mg/L 1 9/18/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 1.0 0.39 mg/L 1 9/18/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 9/15/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-010

Collection Date: 8/28/2008 12:20:00 PM

Client Sample ID: S-13

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	57.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	6.00	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	1.64	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.813	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.392	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **WFR**

Dissolved Organic Nitrogen 0.465 0.130 mg/L 1 9/18/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **WFR**

Particulate Organic Nitrogen ND 0.130 mg/L 1 9/18/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 1.0 0.39 mg/L 1 9/18/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 9/15/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limitsBRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit**GeoLabs, Inc.**

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-011

Collection Date: 8/28/2008 12:40:00 PM

Client Sample ID: S-14

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	9.60	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	1.0	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	12.9	1.50		mg/L	1	Analyst: RP 9/3/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.370	0.0270		mg/L	1	Analyst: RP 8/29/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						
Particulate Organic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 9/18/2008
TOTAL PHOSPHOROUS - L10-115-01-1E						
Total Phosphorous	ND	0.0400		mg/L	1	Analyst: RP 9/15/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 19-Sep-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA

Lab Order: 0808432

Lab ID: 0808432-012

Collection Date: 8/28/2008 9:05:00 AM

Client Sample ID: S-8B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	196	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	3.70	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	61.8	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.354	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.219	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432

DON - SM4500-NORG-B,C, SM4500-NH3-B,C					Analyst: WFR
Dissolved Organic Nitrogen	0.321	0.130	mg/L	1	9/18/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C					Analyst: WFR
Particulate Organic Nitrogen	ND	0.130	mg/L	1	9/18/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR					Analyst: RP
Total Dissolved Nitrogen	0.79	0.39	mg/L	1	9/18/2008
TOTAL PHOSPHOROUS - L10-115-01-1E					Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	9/15/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**Lab ID:** 0808432-013**Collection Date:** 8/28/2008 9:10:00 AM**Client Sample ID:** S-5B**Matrix:** SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	70.0	5.00		mg/L	1	Analyst: FC 9/4/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0370	0.0300		mg/L	1	Analyst: QS 9/2/2008
CHLOROPHYLL - A						
Chlorophyll a	11.2	0.500		mg/m ³	1	Analyst: SUB 8/29/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 8/29/2008 4:45:00 PM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/8/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: RP 9/9/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	30.3	1.50		mg/L	1	Analyst: RP 9/3/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.464	0.130		mg/L	1	Analyst: WFR 9/18/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	0.0422	0.0220		mg/L	1	Analyst: RP 8/29/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0924	0.0270		mg/L	1	Analyst: RP 8/29/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 19-Sep-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River, Plymouth MA**Lab Order:** 0808432**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**

Dissolved Organic Nitrogen	0.515	0.130	mg/L	1	9/18/2008	Analyst: WFR
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PON-SM4500-NH3-B,C, SM4500-NORG-B,C

Particulate Organic Nitrogen	ND	0.130	mg/L	1	9/18/2008	Analyst: WFR
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TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR

Total Dissolved Nitrogen	0.78	0.39	mg/L	1	9/18/2008	Analyst: RP
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TOTAL PHOSPHOROUS - L10-115-01-1E

Total Phosphorous	ND	0.0400	mg/L	1	9/15/2008	Analyst: RP
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Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	1105	S-9A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
8/28/08	1115	S-21	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

KC 8/28/08

8432-001



002



0808432

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	0945	S-4B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
↓	↓	↓	1	250 mL Plastic	Boron	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a	NONE
↓	↓	↓				
08/28/08	1000	S-3A	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
↓	↓	↓	1	250 mL Plastic	Boron	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a	NONE

003



004



0808432

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

ICC 8/28/08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: **Kim Michaelis (KM)**

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	1255	S-8A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
8/28/08	1255	S-8A	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
			1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

KC 8/28/08

0808432

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	1020	S-2B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
8/28/08	1040	S-1	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

006



007



0808432

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

LC 8/28/08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: **Kim Michaelis (KM)**

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	1150	S-6A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
8/28/08	1210	S-12	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

008



009



0808432

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

KC 8/28/08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	1220	S-13	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
8/28/08	1246	S-14	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

010



011



0808432

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

KC 8/28/08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
8/28/08	0905	S-8B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
↓	↓	↓	1	250 mL Plastic	Boron	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a	NONE
8/28/08	0910	S-5B	1	Glass Vial	POC	HCL
↓	↓	↓	1	Glass Vial	POC	NONE
↓	↓	↓	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
↓	↓	↓	1	250 mL Plastic	Boron	HNO ₃
↓	↓	↓	1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
↓	↓	↓	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
↓	↓	↓	1	250 mL Amber Glass	Chlorophyll-a	NONE

012



013



0808432

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

KC 8/28/08

Thursday, October 16, 2008

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360



GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Surface Water-Eel River
Location: Plymouth MA

Order No.: 0809291

Dear Kim Michaelis:

GeoLabs, Inc. received 13 sample(s) on 9/17/2008 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,


Jim Chen
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)

CLIENT: Town of Plymouth
Project: Surface Water-Eel River
Lab Order: 0809291

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

All extractable samples were extracted and analyzed and any Volatile samples were analyzed within method specified holding times and according to GeoLabs documented Standard Operating Procedure. No analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples.

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-001

Client Sample ID: S-8B
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	207	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0360	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.181	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	62.7	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.183	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-001

Client Sample ID: S-8B
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
Analyst: WFR						
DON - SM4500-NORG-B,C, SM4500-NH3-B,C Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
Analyst: WFR						
PON-SM4500-NH3-B,C, SM4500-NORG-B,C Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
Analyst: WFR						
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR Total Dissolved Nitrogen	ND	0.39		mg/L	1	10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-002

Client Sample ID: S-5B
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	91.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0300	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	1.10	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	0.030	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	30.4	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.110	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers:
 B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-002

Client Sample ID: S-5B
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						
Particulate Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						
Total Dissolved Nitrogen	0.44	0.39		mg/L	1	Analyst: WFR 10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-003

Client Sample ID: S-4A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	69.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	2.60	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	1.9	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	0.060	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	22.2	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.186	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.100	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-003

Client Sample ID: S-4A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C Dissolved Organic Nitrogen	0.51	0.39		mg/L	1	Analyst: WFR 10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C Particulate Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR Total Dissolved Nitrogen	0.58	0.39		mg/L	1	Analyst: WFR 10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-004

Client Sample ID: S-8A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	77.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	3.80	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.219	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	ND	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.0650	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-004

Client Sample ID: S-8A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						
Particulate Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						
Total Dissolved Nitrogen	0.40	0.39		mg/L	1	Analyst: WFR 10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-005

Client Sample ID: S-3A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	78.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	2.20	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.165	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	23.2	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.149	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-005

Client Sample ID: S-3A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C Dissolved Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C Particulate Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR Total Dissolved Nitrogen	0.51	0.39		mg/L	1	Analyst: WFR 10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-006

Client Sample ID: S-2B
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	69.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	2.80	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	0.040	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	19.8	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	ND	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-006

Client Sample ID: S-2B
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	0.41	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	0.48	0.39		mg/L	1	10/14/2008

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-007

Client Sample ID: S-1
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	101	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0460	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	0.060	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.148	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	36.8	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.343	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-007

Client Sample ID: S-1
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	0.45	0.39		mg/L	1	10/14/2008

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-008

Client Sample ID: S-9A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	106	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0450	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	1.80	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	0.020	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.143	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	42.6	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.144	0.130		mg/L	1	Analyst: WFR 10/14/2008
NITRITE - L10-107-05-1-A						
Nitrite (as N)	ND	0.0220		mg/L	1	Analyst: RP 9/18/2008
NITRATE - L10-107-04-1-C						
Nitrate (as N)	0.406	0.0270		mg/L	1	Analyst: RP 9/18/2008

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-008

Client Sample ID: S-9A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DON - SM4500-NORG-B,C, SM4500-NH3-B,C Dissolved Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C Particulate Organic Nitrogen	ND	0.39		mg/L	1	Analyst: WFR 10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR Total Dissolved Nitrogen	0.40	0.39		mg/L	1	Analyst: WFR 10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-009

Client Sample ID: S-21
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	111	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	2.10	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	0.0160	0.00700		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						
Nitrate	0.540	0.0300		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.159	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	23.2	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-009

Client Sample ID: S-21
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	0.571	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	1.1	0.39		mg/L	1	10/14/2008

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-010

Client Sample ID: S-6A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	65.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	4.50	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						
Nitrate	0.350	0.0300		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	1.1	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	0.040	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	21.1	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
						Analyst: WFR

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-010

Client Sample ID: S-6A
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	0.392	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	0.81	0.39		mg/L	1	10/14/2008

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-011

Client Sample ID: S-12
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	64.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	1.20	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						
Nitrate	0.330	0.0300		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	15.0	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-011

Client Sample ID: S-12
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	0.389	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	0.65	0.39		mg/L	1	10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT:	Town of Plymouth	Client Sample ID:	S-13
Lab Order:	0809291	Collection Date:	9/17/2008
Project:	Surface Water-Eel River	Date Received:	9/17/2008
Lab ID:	0809291-012	Matrix:	SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	65.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0470	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	2.80	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						
Nitrate	0.420	0.0300		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	15.5	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
						Analyst: WFR

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-012

Client Sample ID: S-13
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	<i>0.520</i>	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	<i>0.70</i>	0.39		mg/L	1	10/14/2008

Qualifiers:

B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
S	Spike Recovery outside recovery limits

BRL	Below Reporting Limit
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit

GeoLabs, Inc.
Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-013

Client Sample ID: S-14
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	60.0	5.00		mg/L	1	Analyst: FC 9/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 9/18/2008
CHLOROPHYLL - A						
Chlorophyll a	12.3	0.500		mg/m ³	1	Analyst: SUB 9/18/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						
Nitrate	0.100	0.0300		mg/L	1	Analyst: SUB 9/19/2008
NOTES: Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/18/2008 11:45:00 AM
NOTES: Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 9/25/2008
NOTES: Sample was analyzed at MA-00071.						
TOTAL PHOSPHOROUS - SM 4500-P-B,E						
Phosphorus, Total (As P)	ND	0.020		mg/L	1	Analyst: SUB 9/24/2008
NOTES: Sample was analyzed at M-RI010.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 9/25/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	14.4	1.50		mg/L	1	Analyst: RP 9/23/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
						Analyst: WFR

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.**Reported Date:** 16-Oct-08

CLIENT: Town of Plymouth
Lab Order: 0809291
Project: Surface Water-Eel River
Lab ID: 0809291-013

Client Sample ID: S-14
Collection Date: 9/17/2008
Date Received: 9/17/2008
Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	0.211	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.39		mg/L	1	10/14/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	ND	0.39		mg/L	1	10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0809291

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

7291-001

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/17/08	0830	S-8B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
9/17/08	0845	S-5B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

002

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

LP 9-17-08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0809091

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: Surface Water - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

7291-003

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/16/08	0900	S-4A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
09/16/08	0915	S-8A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

004

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

[Signature] 9-17-08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

08090911

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: Surface Water - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

9291
005

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/16/08	0925	S-3A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
9/16/08	0935	S-2B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

005

Relinquished By: Date/Time

Kim Michaelis

Received By:

Date/Time:

[Signature] 9-17-08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0809291

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

7291
007

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/16/08	0950	S-1	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
9/16/08	1010	S-9A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

008

Relinquished By: Date/Time

Kim Michaelis

Received By:

Date/Time:

9-17-08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

080929/

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

0091
008

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/16/08	1020	S-21	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
9/16/08	1050	S-6A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

000

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

CLB 9-17-08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0809891

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

9891-010

012

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/16/08	1105	S-12	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
9/16/08	1115	S-13	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

[Signature] 9-17-08

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0809291

Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

3291
013

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/16/08	1130	S-14	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE
			1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO3
			1	1 Liter Plastic	TDN, DIN, DON, TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H2SO4
			1	250 mL Amber Glass	Chlorophyll-a	NONE

Relinquished By: Date/Time

Kim Michaelis

Received By: Date/Time:

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Harbor Sampling - Plymouth, MA
Location:

Order No.: 0809442

Dear Kim Michaelis:

GeoLabs, Inc. received 2 sample(s) on 9/25/2008 for the analyses presented in the following report.

Re-issued with lower detection limit for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Project: Harbor Sampling - Plymouth, MA

Lab Order: 0809442

Lab ID: 0809442-001

Collection Date: 9/25/2008 9:15:00 AM

Client Sample ID: S-7

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
NITRITE - SM4500-NO3-F						Analyst: SUB
Nitrite	ND	0.0300		mg/L	1	9/27/2008
NOTES:						
Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						Analyst: SUB
Nitrate	ND	0.0300		mg/L	1	9/27/2008
NOTES:						
Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						Analyst: SUB
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	9/26/2008
NOTES:						
Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	10/3/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: WFR
Ammonia (as N)	ND	0.130		mg/L	1	9/25/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	0.164	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	0.264	0.130		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.130		mg/L	1	10/14/2008
TOTAL KJELDAHL NITROGEN - SM18 B,C						Analyst: WFR
Nitrogen, Total Kjeldahl	0.205	0.105		mg/L	1	10/1/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	ND	0.39		mg/L	1	10/14/2008

Qualifiers: B Analyte detected in the associated Method Blank
F Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 16-Oct-08**CLIENT:** Town of Plymouth
Project: Harbor Sampling - Plymouth, MA**Lab Order:** 0809442**TOTAL PHOSPHOROUS - L10-115-01-1E****Analyst:** RP

Total Phosphorous ND 0.0400 mg/L 1 9/26/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 16-Oct-08

CLIENT: Town of Plymouth
Project: Harbor Sampling - Plymouth, MA

Lab Order: 0809442

Lab ID: 0809442-002

Collection Date: 9/25/2008 8:45:00 AM

Client Sample ID: S-10

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
NITRITE - SM4500-NO3-F						Analyst: SUB
Nitrite	ND	0.0300		mg/L	1	9/27/2008
NOTES:						
Sample was analyzed at M-RI010.						
NITRATE - SM4500-NO3-F						Analyst: SUB
Nitrate	ND	0.0300		mg/L	1	9/27/2008
NOTES:						
Sample was analyzed at M-RI010.						
ORTHOPHOSPHATE						Analyst: SUB
Phosphorus, Orthophosphate (As P)	ND	0.020		mg/L	1	9/26/2008
NOTES:						
Sample was analyzed at M-RI010.						
PARTICULATE ORGANIC CARBON - E415.1						Analyst: SUB
Particulate Organic Carbon	ND	1.0		mg/L	1	10/3/2008
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						Analyst: WFR
Ammonia (as N)	ND	0.130		mg/L	1	9/25/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						Analyst: WFR
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	10/14/2008
DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: WFR
Dissolved Organic Nitrogen	ND	0.130		mg/L	1	10/14/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: WFR
Particulate Organic Nitrogen	ND	0.130		mg/L	1	10/14/2008
TOTAL KJELDAHL NITROGEN - SM18 B,C						Analyst: WFR
Nitrogen, Total Kjeldahl	ND	0.105		mg/L	1	10/1/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: WFR
Total Dissolved Nitrogen	ND	0.39		mg/L	1	10/14/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 16-Oct-08**CLIENT:** Town of Plymouth
Project: Harbor Sampling - Plymouth, MA**Lab Order:** 0809442**TOTAL PHOSPHOROUS - L10-115-01-1E****Analyst:** RP

Total Phosphorous ND 0.0400 mg/L 1 9/26/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody

0809442

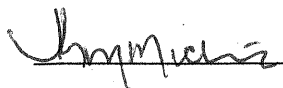
Client:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Harbor Sampling -Plymouth MA**
Sampler: Kim Michaelis (KM)

Temp
6°C

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
9/25/08	0915	S-7	1	Glass Vial	POC	HCL
9/25/08		S-7	1	Glass Vial	POC	NONE
9/25/08		S-7	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate	NONE
9/25/08		S-7	1	1 Liter Plastic	TDN, DIN, DON	NONE
9/25/08		S-7	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON, TKN	H2SO4
9/25/08	0945	S-10	1	Glass Vial	POC	HCL
9/25/08		S-10	1	Glass Vial	POC	NONE
9/25/08		S-10	1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate	NONE
9/25/08		S-10	1	1 Liter Plastic	TDN, DIN, DON	NONE
9/25/08		S-10	1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON, TKN	H2SO4

Relinquished By: Date/Time



Received By: Date/Time:

 9-25-08

KC 9/25/08 3:15

0809442

ANALYTICAL REPORT

Friday, June 19, 2009

Kim Michaelis
Town of Plymouth
11 Lincoln Street
Plymouth, MA 02360

GeoLabs, Inc.
45 Johnson Lane
Braintree MA 02184
Tele: 781 848 7844
Fax: 781 848 7811

TEL: (508) 747-1620
FAX: (508) 830-4081

Project: Surface Water-Eel River
Location: Plymouth, MA

Order No.: 0810341

Dear Kim Michaelis:

GeoLabs, Inc. received 10 sample(s) on 10/21/2008 for the analyses presented in the following report.

Re-issued with lower detection limit for Total Phosphorous. There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications, except when noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Charles Morrow
Laboratory Director

For current certifications, please visit our website at www.geolabs.com

Certifications:

CT (PH-0148) - MA (M-MA015) - NH (2508) - NJ (MA009) - NY (11796) - RI (LA000252)
Accredited in Accordance with NELAC

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-001

Collection Date: 10/21/2008

Client Sample ID: S-3A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	69.0	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.120	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.0056	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	21.3	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.192	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.345	0.130	mg/L	1	11/8/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	0.51	0.39	mg/L	1	11/8/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-002

Collection Date: 10/21/2008

Client Sample ID: S-2B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	60.0	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	6.58	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.100	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.0025	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	21.5	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.172	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.541	0.130	mg/L	1	11/8/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	0.72	0.39	mg/L	1	11/8/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-003

Collection Date: 10/21/2008

Client Sample ID: S-8B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	200	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.130	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.0056	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	64.0	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.156	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.253	0.130	mg/L	1	11/8/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	0.42	0.39	mg/L	1	11/8/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-004

Collection Date: 10/21/2008

Client Sample ID: S-5B

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	71.0	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	ND	0.0300		mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.0900	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.0056	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	29.1	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.270	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C					Analyst: RP
Dissolved Organic Nitrogen	0.418	0.130	mg/L	1	11/8/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C					Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR					Analyst: RP
Total Dissolved Nitrogen	0.55	0.39	mg/L	1	11/8/2008
TOTAL PHOSPHOROUS - L10-115-01-1E					Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-005

Collection Date: 10/21/2008

Client Sample ID: S-8A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	72.0	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0730	0.0300	B	mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	0.900	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	ND	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.018	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	23.8	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers:
B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C					Analyst: RP
Dissolved Organic Nitrogen	0.375	0.130	mg/L	1	11/8/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C					Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR					Analyst: RP
Total Dissolved Nitrogen	0.44	0.39	mg/L	1	11/8/2008
TOTAL PHOSPHOROUS - L10-115-01-1E					Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-006

Collection Date: 10/21/2008

Client Sample ID: S-4A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	ND	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0550	0.0300	B	mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	2.26	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	ND	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.015	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	23.2	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	ND	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.277	0.130	mg/L	1	11/8/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	ND	0.39	mg/L	1	11/8/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-007

Collection Date: 10/21/2008

Client Sample ID: S-1

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	93.0	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0680	0.0300	B	mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	1.12	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.270	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.024	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	38.7	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.485	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.382	0.130	mg/L	1	11/8/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	0.75	0.39	mg/L	1	11/8/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-008

Collection Date: 10/21/2008

Client Sample ID: S-9A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	100	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0760	0.0300	B	mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	ND	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.310	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.026	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	42.5	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	1.40	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C					Analyst: RP
Dissolved Organic Nitrogen	0.325	0.130	mg/L	1	11/8/2008
PON-SM4500-NH3-B,C, SM4500-NORG-B,C					Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR					Analyst: RP
Total Dissolved Nitrogen	0.72	0.39	mg/L	1	11/8/2008
TOTAL PHOSPHOROUS - L10-115-01-1E					Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09

Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-009

Collection Date: 10/21/2008

Client Sample ID: S-21

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	109	5.00		mg/L	1	10/22/2008
						Analyst: FC
TOTAL METALS BY ICP - E200.7						
Boron	0.0700	0.0300	B	mg/L	1	10/22/2008
						Analyst: QS
CHLOROPHYLL - A						
Chlorophyll a	1.96	0.500		mg/m ³	1	10/24/2008
						Analyst: SUB
NOTES:						
Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	0.0150	0.00700		mg/L	1	10/23/2008
						Analyst: SUB
NOTES:						
Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.850	0.0300		mg/L	1	10/23/2008
						Analyst: SUB
NOTES:						
Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.0025	0		mg/L	1	10/22/2008
						Analyst: WFR
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	10/27/2008
						Analyst: SUB
NOTES:						
Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	0.145	0.130		mg/L	1	10/29/2008
						Analyst: WFR
CHLORIDE - L-10-177-07-1-B						
Chloride	45.9	1.50		mg/L	1	10/29/2008
						Analyst: RP
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	1.04	0.130		mg/L	1	11/8/2008
						Analyst: RP

Qualifiers: B Analyte detected in the associated Method Blank
 E Value above quantitation range
 J Analyte detected below quantitation limits
 S Spike Recovery outside recovery limits

BRL Below Reporting Limit
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341**DON - SM4500-NORG-B,C, SM4500-NH3-B,C**Analyst: **RP**

Dissolved Organic Nitrogen 0.653 0.130 mg/L 1 11/8/2008

PON-SM4500-NH3-B,C, SM4500-NORG-B,CAnalyst: **RP**

Particulate Organic Nitrogen ND 0.130 mg/L 1 11/8/2008

TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NORAnalyst: **RP**

Total Dissolved Nitrogen 1.7 0.39 mg/L 1 11/8/2008

TOTAL PHOSPHOROUS - L10-115-01-1EAnalyst: **RP**

Total Phosphorous ND 0.0400 mg/L 1 11/4/2008

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT

Reissue Date: 19-Jun-09
Original Reported Date: 10-Nov-08

CLIENT: Town of Plymouth
Project: Surface Water-Eel River

Lab Order: 0810341

Lab ID: 0810341-010

Collection Date: 10/21/2008

Client Sample ID: S-6A

Matrix: SURFACE WATER

Analyses	Result	Det. Limit	Qual	Units	DF	Date Analyzed
TOTAL DISSOLVED SOLIDS - SM2540C						
Total Dissolved Solids	66.0	5.00		mg/L	1	Analyst: FC 10/22/2008
TOTAL METALS BY ICP - E200.7						
Boron	0.0690	0.0300	B	mg/L	1	Analyst: QS 10/22/2008
CHLOROPHYLL - A						
Chlorophyll a	3.71	0.500		mg/m ³	1	Analyst: SUB 10/24/2008
NOTES: Sample was analyzed at M-MA003.						
NITRITE - SM4500-NO3-F						
Nitrite	ND	0.00700		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
NITRATE - SM4500-NO3-F						
Nitrate	0.250	0.0300		mg/L	1	Analyst: SUB 10/23/2008
NOTES: Analyzed by New England Testing RI-010						
ORTHOPHOSPHATE						
Phosphorus, Orthophosphate (As P)	0.020	0		mg/L	1	Analyst: WFR 10/22/2008
PARTICULATE ORGANIC CARBON - E415.1						
Particulate Organic Carbon	ND	1.0		mg/L	1	Analyst: SUB 10/27/2008
NOTES: Sample was analyzed at MA-00071.						
AMMONIA (AS N) - SM18 4500-NH3-B,C						
Ammonia (as N)	ND	0.130		mg/L	1	Analyst: WFR 10/29/2008
CHLORIDE - L-10-177-07-1-B						
Chloride	18.5	1.50		mg/L	1	Analyst: RP 10/29/2008
DIN-L10-107-05-1-A, L10-107-04-1-C, SM4500-NH3						
Dissolved Inorganic Nitrogen	0.539	0.130		mg/L	1	Analyst: RP 11/8/2008

Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
S Spike Recovery outside recovery limits

BRL Below Reporting Limit
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

ANALYTICAL REPORT**Reissue Date:** 19-Jun-09
Original Reported Date: 10-Nov-08**CLIENT:** Town of Plymouth
Project: Surface Water-Eel River**Lab Order:** 0810341

DON - SM4500-NORG-B,C, SM4500-NH3-B,C						Analyst: RP
Dissolved Organic Nitrogen	0.483	0.130	mg/L	1	11/8/2008	
PON-SM4500-NH3-B,C, SM4500-NORG-B,C						Analyst: RP
Particulate Organic Nitrogen	ND	0.130	mg/L	1	11/8/2008	
TDN-L10-107-05-1-A, L10-107-04-1-C, SM4500NOR						Analyst: RP
Total Dissolved Nitrogen	0.80	0.39	mg/L	1	11/8/2008	
TOTAL PHOSPHOROUS - L10-115-01-1E						Analyst: RP
Total Phosphorous	ND	0.0400	mg/L	1	11/4/2008	

Qualifiers:	B	Analyte detected in the associated Method Blank	BRL	Below Reporting Limit
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside recovery limits		

GeoLabs, Inc.

45 Johnson Lane ~ Braintree MA 02184 ~ 781 848 7844 ~ 781 848 7811

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
10/21/08	0930	S-8B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
10/21/08	1000	S-5B	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

Relinquished By: Date/Time

Kim Michaelis 10/21/08KM 10-21-08 4:30

Received By: Date/Time:

KM 10-21-08 3:30KC 10/21/08 5:00

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Laboratory:

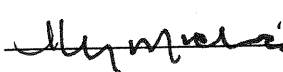
Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of Custody**Client:**

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
10/21/08	1010	S-8A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
10/21/08	1020	S-4A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

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 10/21/08 10-21-08 4:30

Received By: Date/Time:

 10-21-08 3:30

KC 10/21/08 5:00

Laboratory:

Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
781-848-7844

Chain of CustodyClient:

Town of Plymouth - DPW Environmental Management Attn: Kim Michaelis
11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water** - Eel River, Plymouth MA
Sampler: Kim Michaelis (KM)

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Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
10/21/08	1055	S-1	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
10/21/08	1105	S-9A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

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Kim Michaelis 10/21/08Kim Michaelis 10-21-08 4:30

Received By: Date/Time:

Kim Michaelis 10-21-08 3:30KC 10/21/08 5:00

Laboratory:

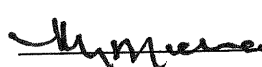
Geolabs, Inc., 45 Johnson Ln, Braintree, MA 02184
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11 Lincoln Street, Plymouth, MA 02360 /508-747-1620 x198, kmichaelis@townhall.plymouth.ma.us
Project Name: **Surface Water - Eel River, Plymouth MA**
Sampler: Kim Michaelis (KM)

Date	Time	Sample ID	# bottles	Type bottle	Analysis	Preservative
10/21/08	1125	S-21	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE
10/21/08	1145	S-6A	1	Glass Vial	POC	HCL
			1	Glass Vial	POC	NONE
			1	500 mL Plastic	NO ₂ , NO ₃ , O-Phosphate, Chloride	NONE
			1	250 mL Plastic	Boron	HNO ₃
			1	1 Liter Plastic	TDN, DIN, DON	NONE
			1	250mL Plastic	TDS	NONE
			1	1 Liter Plastic	NH ₃ , T-Phosphorus, PON	H ₂ SO ₄
			1	250 mL Amber Glass	Chlorophyll-a	NONE

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Received By: Date/Time:

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