BETA Group, Inc.
Engineers • Scientists • Planners

6 Blackstone Valley Place, Suite 101
Lincoln, RI 02865
(401) 333-2382 • fax (401) 333-9225
www.BETA-Inc.com

October 25, 2005

US Environmental Protection Agency
RGP-NOC Processing, Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

RE: Sutton Sewer Line – Utility-related Abatement Measure
Notice of Intent for Coverage under the Remediation General Permit

Dear Sir or Madam:

On behalf of the Town of Sutton, BETA Group, Inc. (BETA) is submitting the attached form for the Notice of Intent (NOI) for the Remediation General Permit (RGP) required for the dewatering activities to take place during the excavation and installation of new sewer lines in the vicinity of Bek's Gasoline Service Station at 30-32 Main Street in Sutton, Massachusetts.

During recent sewer line excavation activities, BETA identified impacted soil and groundwater in the street in front of Bek's Gasoline Station. Soil and groundwater samples in the vicinity of Bek's indicate the presence of petroleum compounds and volatile organic compounds (VOCs). Response actions relating to historic releases at Bek's have been conducted by Lincoln Environmental of Smithfield, Rhode Island. A Phase V Site Monitoring Report submitted to the Massachusetts Department of Environmental Protection (MADEP) on June 21, 2005 detailed groundwater impacts in three wells exceeding MADEP's Method 1 GW-3 Standards. Bek's is currently in Class C – RAO Post Closure Monitoring.

In order to excavate and install the sewer lines, dewatering must be performed in the vicinity of Bek's Gasoline Station. Groundwater will be pumped into a 20,000 gallon fractionation tank prior to treatment. The groundwater suppression pumps will be electrically operated via an on-site gasoline-fired generator. The groundwater will then be pumped through a bag filter and two 2,000 pound granular activated carbon units prior to being discharged to the Mumford River approximately 600 feet northwest of the work area. BETA has calculated an average design flow of 65 to 70 gallons per minute (gpm) and has designed a treatment system capable of handling up to 100 gpm. For operation of the system, a Best Management Practices Plan (BMPP) will be implemented that includes an on-site operator overseeing the system operations 24 hours a day during pumping. The operator will be responsible for daily maintenance of the system to minimize the potential for violations and to protect the designated water uses of the Mumford River.

The excavation and dewatering activities are expected to take place from November 7 to November 11, 2005. BETA will follow the EPA protocol for collecting samples of the untreated influent and treated effluent during operation of the treatment system. Please contact the undersigned at (401) 333-2382 if you have any questions regarding this submittal or require any further information to approve this NOI.

Sincerely,
BETA Group, Inc.

Joseph R. McLoughlin II, LSP
Project Manager

Cc: Don Obuchowski, Town of Sutton
Ken Polito, J.A. Polito & Son

Attachments: Notice of Intent – Remediation General Permit
Laboratory Analytical Results

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of **facility/site:** Sutton Sewer Line		**Facility/site** address:		
Location of **facility/site:** longitude: 71.74 latitude: 42.09	Facility SIC code(s): NA	Street: 30-32 Main Street		
b) Name of **facility/site owner:** State of Massachusetts		Town: Sutton		
Email address of owner: NA		State: MA	Zip: 01590	County: Worcester
Telephone no.of facility/site **owner**: (508) 754-7204				
Fax no. of facility/site **owner**: (508) 799-9763		**Owner** is (check one): 1. Federal____ 2. State/Tribal ✔ 3. Private_____ 4. other, if so, describe:		
Address of **owner** (if different from site):				
Street: 403 Belmont Street				
Town: Worcester	State: MA	Zip: 01604	County: Worcester	
c) Legal name of **operator:** Town of Sutton	**Operator** telephone no: (508) 865-8743			
	Operator fax no.: (508) 865-9533	**Operator** email: NA		
Operator contact name and title: Don Obuchowski, Sewer Superintendent				

Address of **operator** (if different from owner):	Street: Pleasant Valley Road		
Town: Sutton	State: MA	Zip: 01590	County: Worcester

d) Check "yes" or "no" for the following:
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No ✔, if "yes," number:
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No ✔, if "yes," date and tracking #:
3. Is the discharge a "new discharge"as defined by 40 CFR 122.2? Yes ✔ No___
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ✔ No__

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes ✔ No___ If "yes," please list: 1. site identification # assigned by the state of NH or MA: 2-15911 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number: MADEP, Central Region, 508-79-7650	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y___ N ✔, if Y, number: 2. phase I or II construction storm water general permit? Y___ N ✔, if Y, number: 3. individual NPDES permit? Y___ N ✔, if Y, number: 4. any other water quality related permit? Y___ N ✔, if Y, number:

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:
Excavation of soil and dewatering of groundwater table in order to install sewer lines.

b) Provide the following information about each discharge:	1) Number of discharge points: 1	2) What is the **maximum** and **average flow rate** of discharge (in cubic feet per second, ft^3/s)? Max. flow 0.22 Average flow 0.15 Is maximum flow a **design value**? Y ✔ N___ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.

3) Latitude and longitude of each discharge within 100 feet: pt.1:long. 71.74 lat. 42.09 ; pt.2: long.____ lat.____; pt.3: long.____ lat.____; pt.4:long.____ lat.____; pt.5: long.____ lat.____; pt.6:long.____ lat.____; pt.7: long.____ lat.____; pt.8:long.____ lat.____; etc.

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent_____or seasonal_____? Is discharge ongoing Yes ✔ No_____?
c) Expected dates of discharge (mm/dd/yy): start 11/07/05 end 11/11/05	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only ✔	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	**Believe Absent**	**Believe Present**	**# of Samples (1 min-imum)**	**Type of Sample (e.g., grab)**	**Analytical Method Used (method #)**	**Minimum Level (ML) of Test Method**	**Maximum daily value**		**Avg. daily value**	
							concentration (ug/l)	**mass (kg)**	**concentration (ug/l)**	**mass (kg)**
1. Total Suspended Solids		✔	1	Grab	160.2	3.18			2000	.85
2. Total Residual Chlorine	✔		1	Grab	330.5					
3. Total Petroleum Hydrocarbons		✔	4	Grab	1664A	318			5637	2.40
4. Cyanide	✔		1	Grab	335.2					
5. Benzene		✔	4	Grab	8260	3.18			3.93	0.00167
6. Toluene		✔	4	Grab	8260	3.18			77.5	.0329
7. Ethylbenzene		✔	4	Grab	8260	3.18			301	0.128
8. (m,p,o) Xylenes		✔	4	Grab	8260	3.18			1423	.605
9. Total BTEX[4]		✔	4	Grab	8260	3.18			1805	0.767

[4]BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✔		1	Grab	8260					
11. Methyl-tert-Butyl Ether (MtBE)		✔	4	Grab	8260	3.18			25.15	.01
12. tert-Butyl Alcohol (TBA)	✔		1	Grab	8260					
13. tert-Amyl Methyl Ether (TAME)	✔		1	Grab	8260					
14. Naphthalene	✔		1	Grab	8260					
15. Carbon Tetra-chloride	✔		1	Grab	8260					
16. 1,4 Dichlorobenzene	✔		1	Grab	8260					
17. 1,2 Dichlorobenzene	✔		1	Grab	8260					
18. 1,3 Dichlorobenzene	✔		1	Grab	8260					
19. 1,1 Dichloroethane	✔		1	Grab	8260					
20. 1,2 Dichloroethane	✔		1	Grab	8260					
21. 1,1 Dichloroethylene	✔		1	Grab	8260					
22. cis-1,2 Dichloro-ethylene	✔		1	Grab	8260					
23. Dichloromethane (Methylene Chloride)	✔		1	Grab	8260					
24. Tetrachloroethylene	✔		1	Grab	8260					

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily Value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
25. 1,1,1 Trichloroethane	✔		1	Grab	8260					
26. 1,1,2 Trichloroethane	✔		1	Grab	8260					
27. Trichloroethylene	✔		1	Grab	8260					
28. Vinyl Chloride	✔		1	Grab	8260					
29. Acetone	✔		1	Grab	8260					
30. 1,4 Dioxane	✔		1	Grab	8260					
31. Total Phenols	✔		1	Grab	8260					
32. Pentachlorophenol	✔		1	Grab	8260					
33. Total Phthalates [5] (Phthalate esthers)										
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]										
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene	✔		1	Grab	8270					
b. Benzo(a) Pyrene	✔		1	Grab	8270					
c. Benzo(b)Fluoranthene	✔		1	Grab	8270					
d. Benzo(k) Fluoranthene	✔		1	Grab	8270					
e. Chrysene	✔		1	Grab	8270					

[5] The sum of individual phthalate compounds.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✔		1	Grab	8270					
g. Indeno(1,2,3-cd) Pyrene	✔		1	Grab	8270					
36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	✔		1	Grab	8270					
h. Acenaphthene	✔		1	Grab	8270					
i. Acenaphthylene	✔		1	Grab	8270					
j. Anthracene	✔		1	Grab	8270					
k. Benzo(ghi) Perylene	✔		1	Grab	8270					
l. Fluoranthene	✔		1	Grab	8270					
m. Fluorene	✔		1	Grab	8270					
n. Naphthalene-	✔		1	Grab	8270					
o. Phenanthrene	✔		1	Grab	8270					
p. Pyrene	✔		1	Grab	8270					
37. Total Polychlorinated Biphenyls (PCBs)	✔		1	Grab	608					
38. Antimony	✔		1	Grab	200.7					
39. Arsenic	✔		1	Grab	3113B					
40. Cadmium	✔		1	Grab	3113B					
41. Chromium III	✔		1	Grab	200.7					
42. Chromium VI	✔		1	Grab	7196A					

PARAMETER	Believe Absent	Believe Present	# of Samples (1 min-imum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper	✔			Grab	200.7					
44. Lead	✔			Grab	200.7					
45. Mercury	✔			Grab	200.7					
46. Nickel		✔		Grab	200.7	0.0159			10	.00425
47. Selenium	✔			Grab	200.7					
48. Silver	✔			Grab	200.7					
49. Zinc		✔		Grab	200.7	0.036			20	.0085
50. Iron	✔			Grab	200.7					
Other (describe):				Grab	200.7					

c) For discharges where **metals** are believed present, please fill out the following:

Step 1: Do any of the metals in the influent have a **reasonable potential** to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y____ N ✔	If yes, which metals?
Step 2: For any metals which have **reasonable potential** to exceed the **Appendix III** limits, calculate the **dilution factor (DF)** using the formula in Part I.A.3.c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals:_____ DF: _____	Look up the limit calculated at the corresponding dilution factor in **Appendix IV.** Do any of the metals in the **influent** have the potential to exceed the corresponding **effluent** limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y____ N____ If "Yes," list which metals:

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

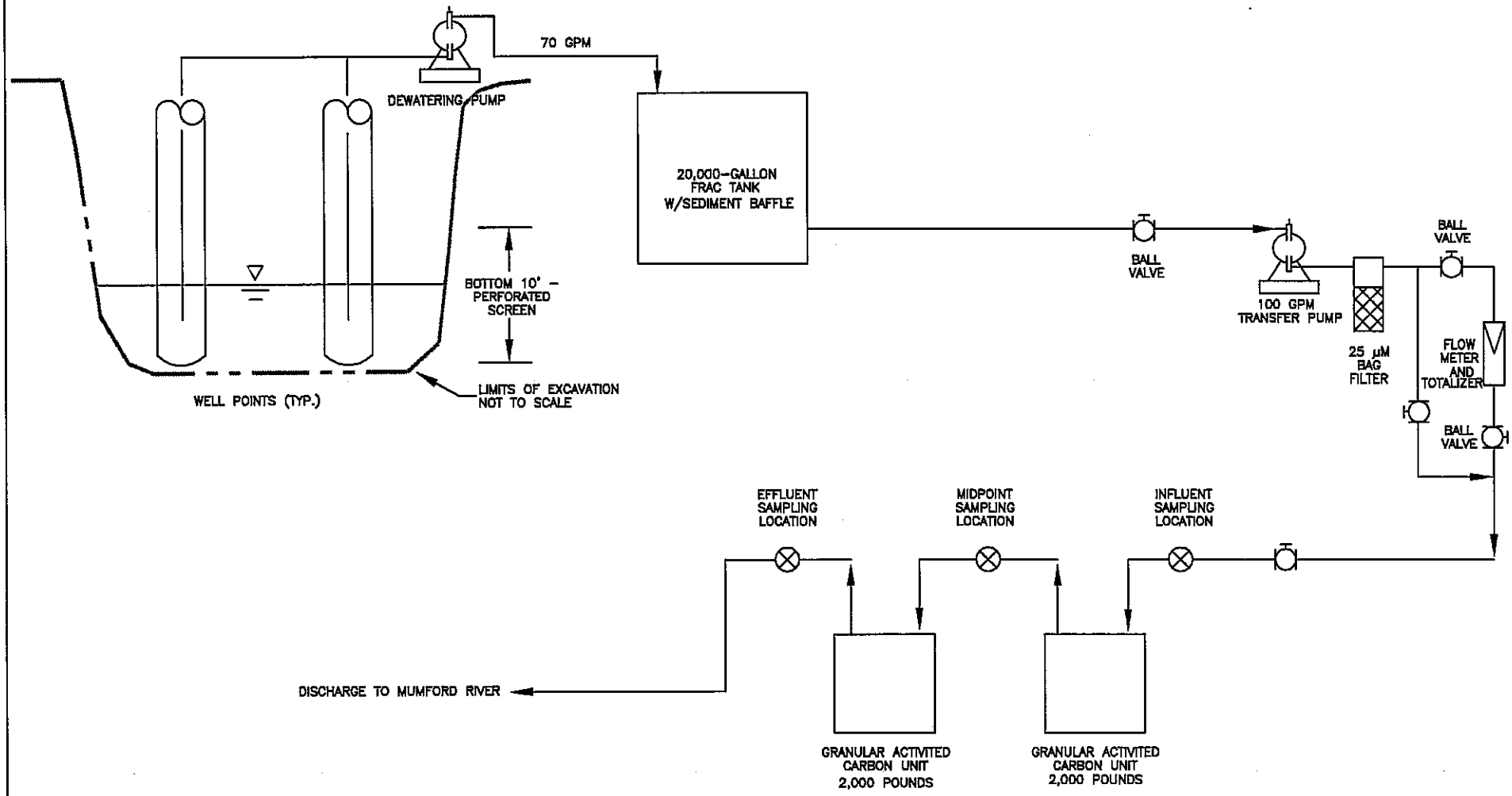
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name: Sutton Sewer Line

Operator signature: Patricia E. Nedoroscik

Title: Town Administrator

Date: 10/20/05



BETA
ENGINEERS • SCIENTISTS
6 BLACKSTONE VALLEY PLACE–LINCOLN, RHODE ISLAND (401) 333-2382

GROUNDWATER TREATMENT SYSTEM

MAIN STREET SEWER CONSTRUCTION
SUTTON, MA

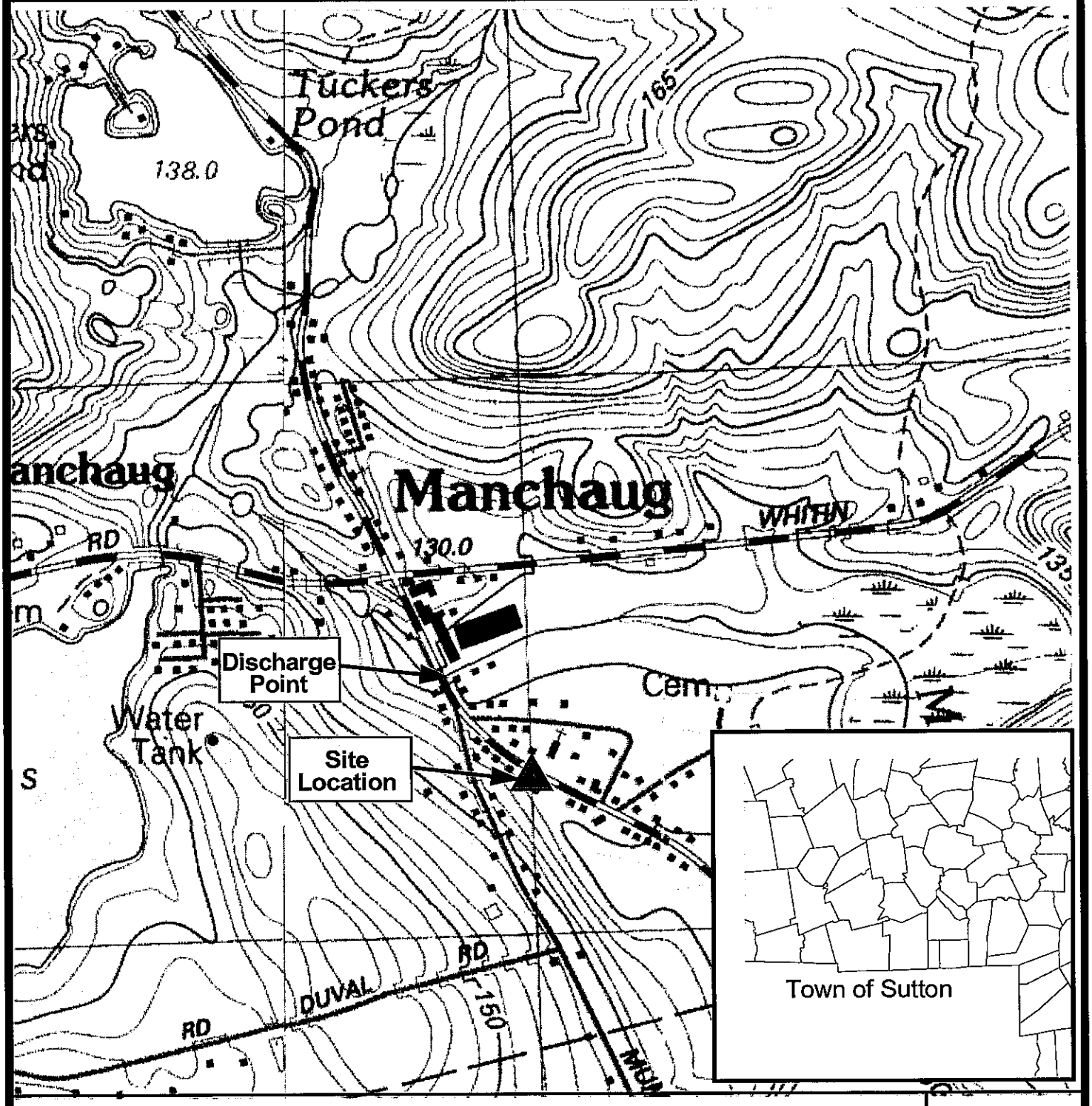
	DRAWN	CHECKED	APPROVED
BY	SJR		
DATE	9/05		

SCALE	PROJECT NO.	DRAWING NUMBER
AS NOTED		FIGURE 1

Figure 2
Site Locus Map

Data Source: Mass GIS

BETA
BETA Group, Inc.
ENGINEERS • SCIENTISTS • PLANNERS



Town of Sutton
Main Street
Sewer Construction

500 0 500 Feet

N
W E
S

BETA Job#: 3032

NETLAB

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number Q1006-12

Prepared for:

Attn: Joe McLoughlin
BETA Group, Inc.
6 Blackstone Valley Place
Lincoln, RI 02865

Report Date: October 13, 2005

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 30

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #:
Project Location: Sutton	RTN[1]:

This form provides certifications for the following data set: Q1006-12

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: (X)

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

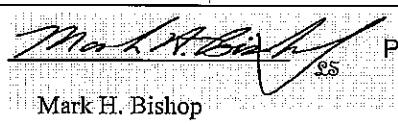
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No[1] (X)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes ( ) No[1] (X)

[1]*All NO answers must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 10/13/2005

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #:
Project Location: Sutton	RTN[1]:
This form provides certifications for the following data set: Q1006-12	

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: (X)

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]*All NO answers must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 10/12/2005

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on October 6, 2005. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is Q1006-12.

Custody records are included in this report.

Site: Sutton

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Main Street GW	10/6/05	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	DETERMINATIVE METHOD
Volatile Organic Compounds	624
PCBs	608
Polynuclear Aromatic Hydrocarbons	625
Total Petroleum Hydrocarbons	1664A
Total Residual Chlorine	330.5
Hexavalent Chromium	7196A
Trivalent Chromium	3500-Cr-D/200.7
Total Suspended Solids	160.2
Total Cyanide	335.2
Total Metals	
Antimony	200.7
Arsenic	3113B
Cadmium	3113B
Chromium	200.7
Copper	200.7
Iron	200.7
Lead	200.7
Mercury	245.1
Nickel	200.7
Selenium	200.7
Silver	200.7
Zinc	200.7

These methods are documented in:

Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992, APHA, AWWA-WPCF.

Manual of Methods for Chemical Analysis of Water and Water Wastes, EPA-600/4-79-020 (Revised 1983), USEPA/EMSL.

EPA-821-B-94-004

40 CFR 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act*, Office of Federal Register National Archives and Records Administration.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip blank or field was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were received on ice at 13 deg. C. and were taken just prior to delivery to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organics:

An extended 624 compound list was reported per client request.

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semivolatile Organics:

An abbreviated 625 compound list was reported per client request.

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The ongoing calibration was within specifications. The surrogate associated with sample "Main Street GW" was spiked at a level below detectable limits. As a result, the surrogate was not reported. There were no other anomalies or non-conformances encountered. We conclude that the data reliability is not compromised by the excursions.

General Chemistry:

Total Residual Chlorine: No anomalies or excursions from QC limits

Total Suspended Solids: No anomalies or excursions from QC limits

Total Cyanide: No anomalies or excursions from QC limits

Hexavalent Chromium: No anomalies or excursions from QC limits

Total Petroleum Hydrocarbons: No anomalies or excursions from QC limits

Sample Results

Main Street GW 5

Parameter	Result, mg/l	Reporting Limit	Date Analyzed
Hexavalent Chromium	N.D.	0.01	10/6/05 @ 15:26
Trivalent Chromium	N.D.	0.01	10/11/05*
Total Suspended Solids	2	1	10/7/05
Total Residual Chlorine	N.D.	0.4	10/7/05
Total Cyanide	N.D.	0.01	10/12/05
Total Petroleum Hydrocarbons	3	2	10/13/05

N.D. = Not Detected
*Date Completed

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: Q1006-12
Sample ID: Main Street GW
Date collected: 10/06/05
Matrix WATER
Sample Type: TOTAL

Analyst CC/RM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Arsenic	7440-38-2	NA	3113B	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Cadmium	7440-43-9	NA	3113B	ND	0.0005	0.0005	mg/l	10/7/05	10/10/05
Chromium	7440-47-3	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Copper	7440-50-8	NA	200.7	ND	0.02	0.02	mg/l	10/7/05	10/11/05
Iron	7439-89-6	NA	200.7	0.38	0.10	0.10	mg/l	10/7/05	10/11/05
Lead	7439-92-1	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Mercury	7439-97-6	NA	245.1	ND	0.0002	0.0002	mg/l	10/11/05	10/11/05
Nickel	7440-02-0	NA	200.7	0.010	0.005	0.005	mg/l	10/7/05	10/11/05
Selenium	7782-49-2	NA	200.7	ND	0.01	0.01	mg/l	10/7/05	10/11/05
Silver	7440-22-4	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Zinc	7440-66-6	NA	200.7	0.03	0.02	0.02	mg/l	10/7/05	10/11/05

ND indicates not Detected

Sample ID: METHOD BLANK

Matrix WATER **Analyst** CC/RM
Sample Type: Preparation Blank

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Antimony	7440-36-0	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Arsenic	7440-38-2	NA	3113B	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Cadmium	7440-43-9	NA	3113B	ND	0.0005	0.0005	mg/l	10/7/05	10/10/05
Chromium	7440-47-3	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Copper	7440-50-8	NA	200.7	ND	0.02	0.02	mg/l	10/7/05	10/11/05
Iron	7439-89-6	NA	200.7	ND	0.10	0.10	mg/l	10/7/05	10/11/05
Lead	7439-92-1	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Mercury	7439-97-6	NA	245.1	ND	0.0002	0.0002	mg/l	10/11/05	10/11/05
Nickel	7440-02-0	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Selenium	7782-49-2	NA	200.7	ND	0.01	0.01	mg/l	10/7/05	10/11/05
Silver	7440-22-4	NA	200.7	ND	0.005	0.005	mg/l	10/7/05	10/11/05
Zinc	7440-66-6	NA	200.7	ND	0.02	0.02	mg/l	10/7/05	10/11/05

ND indicates not Detected

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	LCL, %	UCL, %	Date Analyzed
Antimony	1	0.946	mg/l	94.6	89	108	10/11/05
Arsenic	0.04	0.04097	mg/l	102	76	113	10/11/05
Cadmium	0.005	0.00517	mg/l	103	80	122	10/10/05
Chromium	1	0.946	mg/l	94.6	89	110	10/11/05
Copper	1	1.02	mg/l	102	87	113	10/11/05
Iron	1	1	mg/l	100	74	122	10/11/05
Lead	1	0.957	mg/l	95.7	87	112	10/11/05
Mercury	0.001	0.001	mg/l	100	89	114	10/11/05
Nickel	1	0.974	mg/l	97.4	89	109	10/11/05
Selenium	1	0.935	mg/l	93.5	83	113	10/11/05
Silver	1	0.987	mg/l	98.7	85	111	10/11/05
Zinc	1	0.978	mg/l	97.8	91	110	10/11/05

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: Main St. GW		Analyst's Initials: DC
Case No. Q1006-12		
Date Collected: 10/6/05		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Analytical Method: EPA 608	10/7/05	10/9/05
Compound	Concentration ug/l (ppb)	Reporting Limit
PCB-1016	N.D.	0.2
PCB-1221	N.D.	0.4
PCB-1232	N.D.	0.2
PCB-1242	N.D.	0.2
PCB-1248	N.D.	0.2
PCB-1254	N.D.	0.2
PCB-1260	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	*	25-141
DCBP	*	41-156

Sample: Method Blank		Analyst's Initials: DC
Case No. Q1006-12		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Analytical Method: EPA 608	10/7/05	10/9/05
Compound	Concentration ug/l (ppb)	Reporting Limit
PCB-1016	N.D.	0.2
PCB-1221	N.D.	0.4
PCB-1232	N.D.	0.2
PCB-1242	N.D.	0.2
PCB-1248	N.D.	0.2
PCB-1254	N.D.	0.2
PCB-1260	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	25-141
DCBP	85	41-156

PCB Laboratory Control Spike

Date Collected: NA			Analyst:	DC
Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	10/7/05			10/9/05
Analytical Method: EPA 8082				
Compound	Amount Spiked ug/l	Result ug/l	Recovery %	Recovery Limits
1254-1	0.50	0.56	112	40-140

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

NETLAB

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Q1006-12
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: BETA Group, Inc.
Lab Sample ID: Main St GW
Lab File ID: OCT0909.D
Date Sampled: 10/6/2005
Date Analyzed: 10/9/2005
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-09-2	Methylene Chloride	2.0	U
1634-04-4	tert-Butyl methyl ether	2.2	
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-65-0	tert butyl Alcohol	1.0	U
994-05-8	tert-amyl methyl ether	1.0	U
123911	1,4-Dioxane	1.0	U
106-93-4	Ethylene Dibromide	1.0	U
108-88-3	Toluene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
75-87-3	Chloromethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

NETLAB

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Q1006-12
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: BETA Group, Inc.
Lab Sample ID: VBLK100905
Lab File ID: OCT0904.D
Date Sampled: 10/6/2005
Date Analyzed: 10/9/2005
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-09-2	Methylene Chloride	2.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
75-34-3	1,1-Dichloroethane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
75-65-0	tert butyl Alcohol	1.0	U
994-05-8	tert-amyl methyl ether	1.0	U
123911	1,4-Dioxane	1.0	U
106-93-4	Ethylene Dibromide	1.0	U
108-88-3	Toluene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
127-18-4	Tetrachloroethene	1.0	U
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
75-87-3	Chloromethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Sutton

Lab Code: RI010 Case No.: Q1006-12 SAS No.: BETA SDG No.: _____

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLK100905	102	97	93	0
02	MAIN ST GW	104	99	94	0
03	VLCS051009	86	102	100	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-D4	(76-130)
SMC2	=	Toluene-D8	(85-124)
SMC3	=	Bromofluorobenzene	(77-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

NETTLAB

Volatile Organics Laboratory Control Spike

Date Analyzed: 10/10/05 **Sample ID: VLCS051009**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Chloromethane	50	51	103	70	164
Vinyl Chloride	50	51	103	70	155
Bromomethane	50	51	102	15	213
Chloroethane	50	52	104	52	193
1,1-Dichloroethene	50	50	101	77	137
Methylene Chloride	50	51	103	76	130
trans-1,2 Dichloroethene	50	52	104	74	128
1,1-Dichloroethane	50	51	102	78	126
2-Butanone	50	55	110	65	146
cis-1,2-Dichloroethene	50	52	103	76	123
Chloroform	50	56	113	83	125
Bromochloromethane	50	50	100	76	121
1,1,1-Trichloroethane	50	52	105	73	129
1,1-Dichloropropene	50	53	107	79	122
Carbon Tetrachloride	50	52	105	74	129
Benzene	50	53	106	75	117
1,2-Dichloroethane	50	53	106	78	123
Trichloroethene	50	52	104	65	141
1,2-Dichloropropane	50	52	104	81	121
Bromodichloromethane	50	53	106	74	116
Dibromomethane	50	52	103	80	115
MIBK	50	53	106	72	147
cis-1,3-Dichloropropene	50	55	110	47	132
Toluene	50	52	105	74	119
Trans-1,3-Dichloropropene	50	54	109	52	136
1,1,2-Trichloroethane	50	53	105	81	118
Ethylene Dibromide	50	53	105	80	121
2-Hexanone	50	52	104	65	153
Tetrachloroethene	50	52	103	29	190
1,3-Dichloropropane	50	52	103	59	143
Chlorodibromomethane	50	51	103	79	114
Chlorobenzene	50	52	105	74	115
1,1,1,2-Tetrachloroethane	50	52	105	77	116
Ethylbenzene	50	52	104	77	117
m & p-Xylene	100	103	103	58	129
o-Xylene	50	52	103	24	175
Styrene	50	52	104	76	111
Bromoform	50	52	104	78	115
Isopropylbenzene	50	52	105	82	125
1,1,2,2-Tetrachloroethane	50	51	103	50	142

Volatile Organics Laboratory Control Spike

Date Analyzed: 10/10/05 **Sample ID: VLCS051009**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Bromobenzene	50	52	104	78	116
1,2,3-Trichloropropane	50	51	103	76	120
n-Propylbenzene	50	52	105	75	118
2-Chlorotoluene	50	53	106	73	114
1,3,5-Trimethylbenzene	50	52	103	74	117
4-Chlorotoluene	50	53	106	72	115
tert-Butylbenzene	50	52	104	80	137
1,2,4-Trimethylbenzene	50	52	103	72	118
sec-Butylbenzene	50	52	104	73	114
p-Isopropyltoluene	50	52	105	72	140
1,3-Dichlorobenzene	50	52	105	69	116
1,4-Dichlorobenzene	50	53	106	69	117
n-Butylbenzene	50	54	107	65	130
1,2-Dichlorobenzene	50	53	105	73	113
1,2-Dibromo-3-chloropropane	50	52	104	46	138
1,2,4-Trichlorobenzene	50	52	105	35	157
Naphthalene	50	51	102	17	186
1,2,3-Trichlorobenzene	50	51	103	32	186

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Q1006-12
Client Name: BETA Group, Inc.
Method: 8270
Lab Sample ID: Main Street GW
Matrix: (soil/water/air) WATER
Lab File ID: OCT0708.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 10/6/2005
Level: (low/med) LOW
Date Extracted: 10/7/2005
% Moisture:
Date Analyzed: 10/7/2005
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: KJK

CAS NO.	COMPOUND	UNITS: UG/L	Q
91-20-3	Naphthalene	1.0	U
91-57-6	2-Methylnaphthalene	1.0	U
208-96-8	Acenaphthylene	1.0	U
83-32-9	Acenaphthene	1.0	U
86-73-7	Fluorene	1.0	U
85-01-8	Phenanthrene	1.0	U
120-12-7	Anthracene	1.0	U
206-44-0	Fluoranthene	1.0	U
129-00-0	Pyrene	1.0	U
56-55-3	Benzo(a)anthracene	1.0	U
218-01-9	Chrysene	1.0	U
205-99-2	Benzo(b)fluoranthene	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	U
50-32-8	Benzo(a)pyrene	1.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	U
53-70-3	Dibenz(a,h)anthracene	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

NETLAB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: Q1006-12
Client Name: BETA Group, Inc.
Method: 8270
Lab Sample ID: SBLK100705
Matrix: (soil/water/air) WATER
Lab File ID: OCT0705.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 10/6/2005
Level: (low/med) LOW
Date Extracted: 10/7/2005
% Moisture:
Date Analyzed: 10/7/2005
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: KJK

CAS NO.	COMPOUND	UNITS: UG/L	Q
91-20-3	Naphthalene	1.0	U
91-57-6	2-Methylnaphthalene	1.0	U
208-96-8	Acenaphthylene	1.0	U
83-32-9	Acenaphthene	1.0	U
86-73-7	Fluorene	1.0	U
85-01-8	Phenanthrene	1.0	U
120-12-7	Anthracene	1.0	U
206-44-0	Fluoranthene	1.0	U
129-00-0	Pyrene	1.0	U
56-55-3	Benzo(a)anthracene	1.0	U
218-01-9	Chrysene	1.0	U
205-99-2	Benzo(b)fluoranthene	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	U
50-32-8	Benzo(a)pyrene	1.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	U
53-70-3	Dibenz(a,h)anthracene	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: Q1006-12

Lab Code: RI010 Client Name: BETA Group, Inc.

	Sample ID	S1 #	S2 #	S3 #	TOT OUT
01	SBLK100705	85	74	107	0
02	SLCS100705	91	86	101	0
03	MAIN STREET GW	85	66	42	0

QC LIMITS

S1	=	Nitrobenzene-d5	(41-126)
S2	=	2-Fluorobiphenyl	(17-146)
S3	=	Terphenyl-d14	(18-210)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

PNA Water Laboratory Control Spike

Date Extracted: 10/7/05
Date Analyzed: 10/7/05

	Amount Spiked ug/L	Result, ug/L	Recovery %	Recovery Limits
Naphthalene	50	27	54	40-140
2-Methylnapthalene	50	20	40	40-140
Acenaphthylene	50	23	47	40-140
Acenaphthene	50	22	44	40-140
Fluorene	50	22	45	40-140
Phenanthrene	50	23	46	40-140
Anthracene	50	23	45	40-140
Fluoranthene	50	22	44	40-140
Pyrene	50	27	55	40-140
Benzo(a)anthracene	50	22	44	40-140
Chrysene	50	22	44	40-140
Benzo(b)fluoranthene	50	21	43	40-140
Benzo(k)fluoranthene	50	22	44	40-140
Benzo(a)pyrene	50	23	46	40-140
Indeno(1,2,3-cd)pyrene	50	20	40	40-140
Dibenz(a,h)anthracene	50	20	40	40-140
Benzo(g,h,i)perylene	50	37	73	40-140

New England Testing Laboratory, Inc.

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

CHAIN OF CUSTODY RECORD

Q1006-12

PROJ. NO. | PROJECT NAME: Sutton

CLIENT: Joe McLoughlin @ BETA

SAMPLE I. D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TSS	TRC	Cyanide	VOCs by 8260	PCBs	PAHs	Metals (Antimony, Arsenic, Cadmium, Chromium III, chromium VI, Copper, lead, mercury, Nickel, Selenium, Silver, Zinc, Iron. Add TPH as per Steve R. 10/7)	REMARKS
	10/6/05	1:00		K	Main St GW	9	X	X	X	X	X	X	X	

Include chromatograms in lab report.

GW-1 Detection limits must be met.

48 Hour RUSH TAT.

Send results to Joe M.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Paul Smith	10/6/05 2:18	AIS T			
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		D Sweeney	10/6/05 1418	Temp 13° on ice - just taken	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/5/2004

LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917
ATTN: BETH CORREIRA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-82405
JOB NUMBER: RRR8069

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: SUTTON

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST
MW-2	04B30630	GRND WATER	NOT SPECIFIED	vph - water 04
MW-3	04B30631	GRND WATER	NOT SPECIFIED	vph - water 04
MW-6	04B30632	GRND WATER	NOT SPECIFIED	vph - water 04
MW-7	04B30633	GRND WATER	NOT SPECIFIED	vph - water 04
MW-8	04B30634	GRND WATER	NOT SPECIFIED	vph - water 04

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/5/2004

LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917
ATTN: BETH CORREIRA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-82405
JOB NUMBER: RRR8069

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

Comments :

LIMS BATCH NO. : LIMS-82405

CASE NARRATIVE SUMMARY

THERE ARE NO ANALYTICAL ISSUES WHICH AFFECT THE USABILITY OF THE DATA.

DETAILED CASE NARRATIVE

VOLATILE PETROLEUM HYDROCARBONS (VPH) MADEP-VPH-04-1.1

RECOMMENDED SAMPLE HOLDING TIMES WERE NOT EXCEEDED FOR ALL SAMPLES ANALYZED BY THE VPH METHOD UNLESS LISTED BELOW: NONE EXCEEDED

ALL VPH SAMPLES WERE RECEIVED PRESERVED PROPERLY (WATER SAMPLES pH <2; SOIL SAMPLES IN METHANOL WITH A SOIL/METHANOL RATIO OF 1:1 +/- 25% COMPLETELY COVERED BY METHANOL) IN THE PROPER CONTAINERS AT 4° C. +/- 2° AS SPECIFIED ON THE CHAIN-OF-CUSTODY FORM UNLESS SPECIFIED BELOW:

ALL PROPERLY PRESERVED

THE VPH METHOD BLANK WAS FOUND NOT TO BE CONTAMINATED WITH TARGET ANALYTES AT LEVELS ABOVE THE REPORTING LIMIT EXCEPT WHERE LISTED BELOW: NO CONTAMINATION NOTED

ALL VPH SAMPLES WERE ANALYZED UNDILUTED UNLESS SPECIFIED BELOW:

SAMPLE	DILUTION
04B30631	UNDILUTED AND 20X
04B30633	UNDILUTED AND 20X
04B30634	UNDILUTED AND 20X

INITIAL AND CONTINUING CALIBRATIONS MET ALL REQUIRED PERFORMANCE STANDARDS FOR THE VPH METHOD EXCEPT AS LISTED BELOW: ALL STANDARDS MET

LABORATORY CONTROL SAMPLE RECOVERIES, LABORATORY CONTROL SAMPLE DUPLICATE RECOVERIES, AND LCS DUPLICATE RPDs FOR ALL VPH COMPONENT STANDARD COMPOUNDS WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

ALL VPH SURROGATE STANDARD RECOVERIES WERE WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE OUTSIDE OF CONTROL LIMITS

VPH MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RECOVERIES, SAMPLE DUPLICATE RPDs AND MSDRPD, IF REQUESTED IN THIS BATCH WERE ALL WITHIN CONTROL LIMITS SPECIFIED BY THE METHOD UNLESS LISTED BELOW: NONE REQUESTED

RESULTS FOR ALL ANALYTE-LIST COMPOUNDS WERE REPORTED FOR VPH UNLESS LISTED BELOW: ALL REPORTED

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations :

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

REPORT DATE 10/5/2004

LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917
ATTN: BETH CORREIRA

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-82405
JOB NUMBER: RRR8069

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

AIHA 100033	AIHA ELLAP (LEAD) 100033	
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	ARIZONA AZ0648
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	ARIZONA AZ0654 (AIR)

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Edward Denson 10/5/04

SIGNATURE DATE

Tod Kopyscinski
Director of Operations

Sondra S. Kocot
Quality Control Coordinator

Edward Denson
Technical Director

* See end of data tabulation for notes and comments pertaining to this sample

con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BETH CORREIRA
LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917

10/5/2004

Purchase Order No.:

Project Location: SUTTON
Date Received: 9/24/2004
Field Sample # : **MW-3**
Sample ID : **04B30631**
Sampled : 9/23/2004
NOT SPECIFIED
Sample Matrix: GRND WATER

LIMS-BAT #: LIMS-82405
Job Number: RRR8069

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	3020.	10/02/04	AHM	100.			
C5-C8 Aliphatics	ug/l	2680.	10/02/04	AHM	100.			
Unadjusted C9-C12 Aliphatics	ug/l	19500.	10/02/04	AHM	100.			
C9-C12 Aliphatics	ug/l	9430.	10/02/04	AHM	100.			
C9-C10 Aromatics	ug/l	6450.	10/02/04	AHM	100.			
Benzene	ug/l	10.5	10/02/04	AHM	1.0			
Ethyl Benzene	ug/l	467.	10/02/04	AHM	1.0			
MTBE	ug/l	28.6	10/02/04	AHM	1.0			
Naphthalene	ug/l	242.	10/02/04	AHM	10.0			
Toluene	ug/l	303.	10/02/04	AHM	1.0			
m/p-Xylene	ug/l	2110.	10/02/04	AHM	2.0			
o-Xylene	ug/l	1060.	10/02/04	AHM	1.0			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFOMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit
ND = Not Detected
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BETH CORREIRA
LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917

Purchase Order No.:

Project Location: SUTTON
Date Received: 9/24/2004
Field Sample # : MW-7
Sample ID : 04B30633

Sampled : 9/23/2004
NOT SPECIFIED

Sample Matrix: GRND WATER

LIMS-BAT #: LIMS-82405
Job Number: RRR8069

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Aliphatics	ug/l	1850.	10/02/04	AHM	100.			
C5-C8 Aliphatics	ug/l	1820.	10/02/04	AHM	100.			
Unadjusted C9-C12 Aliphatics	ug/l	15500.	10/02/04	AHM	100.			
C9-C12 Aliphatics	ug/l	6230.	10/02/04	AHM	100.			
C9-C10 Aromatics	ug/l	6790.	10/02/04	AHM	100.			
Benzene	ug/l	1.8	10/02/04	AHM	1.0			
Ethyl Benzene	ug/l	541.	10/02/04	AHM	1.0			
MTBE	ug/l	24.5	10/02/04	AHM	1.0			
Naphthalene	ug/l	220.	10/02/04	AHM	10.0			
Toluene	ug/l	2.2	10/02/04	AHM	1.0			
m/p-Xylene	ug/l	1670.	10/02/04	AHM	2.0			
o-Xylene	ug/l	269.	10/02/04	AHM	1.0			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFOMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit

ND = Not Detected

NM = Not Measured

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

* = See end of report for comments and notes applying to this sample

con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BETH CORREIRA
LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917

10/5/2004

Purchase Order No.:

Project Location: SUTTON
Date Received: 9/24/2004
Field Sample # : MW-8
Sample ID : 04B30634
Sampled : 9/23/2004
NOT SPECIFIED
Sample Matrix: GRND WATER

LIMS-BAT #: LIMS-82405
Job Number: RRR8069

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo	SPEC Limit Hi	P/ F
Unadjusted C5-C8 Allphatics	ug/l	2220.	10/04/04	AHM	100.			
C5-C8 Aliphatics	ug/l	2160.	10/04/04	AHM	100.			
Unadjusted C9-C12 Aliphatics	ug/l	18500.	10/04/04	AHM	100.			
C9-C12 Aliphatics	ug/l	7210.	10/04/04	AHM	100.			
C9-C10 Aromatics	ug/l	10600.	10/04/04	AHM	100.			
Benzene	ug/l	3.4	10/04/04	AHM	1.0			
Ethyl Benzene	ug/l	195.	10/04/04	AHM	1.0			
MTBE	ug/l	45.5	10/04/04	AHM	1.0			
Naphthalene	ug/l	114.	10/04/04	AHM	10.0			
Toluene	ug/l	4.6	10/04/04	AHM	1.0			
m/p-Xylene	ug/l	522.	10/04/04	AHM	2.0			
o-Xylene	ug/l	57.9	10/04/04	AHM	1.0			

Analytical Method:
MADEP-VPH-04-1.1
SAMPLES ARE CONCENTRATED BY PURGE AND TRAP, FOLLOWED BY GAS CHROMATOGRAPHY ANALYSIS WITH PID/FID DETECTION. SUMMED RANGES ARE REPORTED WITH TARGET COMPOUND CONTRIBUTIONS SUBTRACTED.
C9-C12 ALIPHATIC HYDROCARBONS EXCLUDE THE CONCENTRATION OF C9-C10 AROMATIC HYDROCARBONS.

NO SIGNIFICANT MODIFICATIONS WERE MADE TO THE METHOD.

DETAILS OF ANY NON-CONFORMANCE WITH QA/QC REQUIREMENTS, PERFOMANCE, OR ACCEPTANCE CRITERIA ARE LISTED IN THE NOTES SECTION OF THIS REPORT.

RL = Reporting Limit
ND = Not Detected
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

BETH CORREIRA
LINCOLN ENVIRONMENTAL, INC.
333 WASHINGTON HWY
SMITHFIELD, RI 02917

10/5/2004

Purchase Order No.:

Project Location: SUTTON
Date Received: 9/24/2004

LIMS-BAT #: LIMS-82405
Job Number: RRR8069

** END OF REPORT **

RL = Reporting Limit
ND = Not Detected
NM = Not Measured
* = See end of report for comments and notes applying to this sample

SPEC LIMIT = a client specified recommended or regulatory level for comparison with data to determine PASS (P) or FAIL (F) condition of results.

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/5/2004 Lims Bat # : LIMS-82405

QC Batch Number: GC/FID-11767

Sample Id	Analysis	QC Analysis	Values	Units	Limits
04B30630					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	86.9	%	70-130
04B30631					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	98.6	%	70-130
04B30632					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	84.3	%	70-130
04B30633					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	95.3	%	70-130
04B30634					
	2,5-Dibromotoluene (FID)	Sur. Recovery FID/MS	96.3	%	70-130
BLANK-65004					
	C5-C8 Allphatics	Blank	<100.	ug/l	
	C9-C12 Aliphatics	Blank	<100.	ug/l	
	Unadjusted C5-C8 Aliphatics	Blank	<100.	ug/l	
	Unadjusted C9-C12 Aliphatics	Blank	<100.	ug/l	
LFBLANK-35814					
	Nonane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	87.8	ug/l	
		Lab Fort Blk. % Rec.	87.8	%	30-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	71.3	ug/l	
		Dup Lab Fort Bl %Rec	71.3	%	30-130
		Lab Fort Blank Range	16.5	units	
		Lab Fort Bl. Av. Rec	79.6	%	
		LFB Duplicate RPD	20.7	%	0-25
	Pentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	88.3	ug/l	
		Lab Fort Blk. % Rec.	88.3	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	78.0	ug/l	
		Dup Lab Fort Bl %Rec	78.0	%	70-130
		Lab Fort Blank Range	10.2	units	
		Lab Fort Bl. Av. Rec	83.1	%	
		LFB Duplicate RPD	12.3	%	0-25
	2-Methylpentane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	101.2	ug/l	
		Lab Fort Blk. % Rec.	101.2	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	87.8	ug/l	
		Dup Lab Fort Bl %Rec	87.8	%	70-130
		Lab Fort Blank Range	13.4	units	
		Lab Fort Bl. Av. Rec	94.5	%	
		LFB Duplicate RPD	14.2	%	0-25
	2,2,4-Trimethylpentane	Lab Fort Blank Amt.	100.0	ug/l	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GC/FID-11767

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-35814					
	2,2,4-Trimethylpentane	Lab Fort Blk. Found	92.3	ug/l	
		Lab Fort Blk. % Rec.	92.3	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	76.7	ug/l	
		Dup Lab Fort Bl %Rec	76.7	%	70-130
		Lab Fort Blank Range	15.6	units	
		Lab Fort Bl. Av. Rec	84.5	%	
		LFB Duplicate RPD	18.4	%	0-25
	n-Decane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	85.5	ug/l	
		Lab Fort Blk. % Rec.	85.5	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	72.1	ug/l	
		Dup Lab Fort Bl %Rec	72.1	%	70-130
		Lab Fort Blank Range	13.4	units	
		Lab Fort Bl. Av. Rec	78.8	%	
		LFB Duplicate RPD	17.0	%	0-25
	n-Butylcyclohexane	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	87.6	ug/l	
		Lab Fort Blk. % Rec.	87.6	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	75.5	ug/l	
		Dup Lab Fort Bl %Rec	75.5	%	70-130
		Lab Fort Blank Range	12.1	units	
		Lab Fort Bl. Av. Rec	81.5	%	
		LFB Duplicate RPD	14.8	%	0-25

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GC/PID-6676

Sample Id	Analysis	QC Analysis	Values	Units	Limits
04B30630					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	98.0	%	70-130
04B30631					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	112.7	%	70-130
04B30632					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	91.6	%	70-130
04B30633					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	107.8	%	70-130
04B30634					
	2,5-Dibromotoluene (PID)	Sur. Recovery (PID)	111.1	%	70-130
BLANK-65003					
	Benzene	Blank	<1.0	ug/l	
	Ethyl Benzene	Blank	<1.0	ug/l	
	Naphthalene	Blank	<10.0	ug/l	
	Toluene	Blank	<1.0	ug/l	
	o-Xylene	Blank	<1.0	ug/l	
	m/p-Xylene	Blank	<2.0	ug/l	
	C9-C10 Aromatics	Blank	<100.	ug/l	
	MTBE	Blank	<1.0	ug/l	
LFBLANK-35813					
	Benzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	112.0	ug/l	
		Lab Fort Blk. % Rec.	112.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	110.0	ug/l	
		Dup Lab Fort Bl %Rec	110.0	%	70-130
		Lab Fort Blank Range	2.0	units	
		Lab Fort Bl. Av. Rec	111.0	%	
		LFB Duplicate RPD	1.8	%	0-25
	Ethyl Benzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	114.8	ug/l	
		Lab Fort Blk. % Rec.	114.8	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	111.5	ug/l	
		Dup Lab Fort Bl %Rec	111.5	%	70-130
		Lab Fort Blank Range	3.3	units	
		Lab Fort Bl. Av. Rec	113.2	%	
		LFB Duplicate RPD	2.9	%	0-25
	Naphthalene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	99.1	ug/l	
		Lab Fort Blk. % Rec.	99.1	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	101.0	ug/l	
		Dup Lab Fort Bl %Rec	101.0	%	70-130

con-test®
ANALYTICAL LABORATORY
39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

Report Date: 10/5/2004 Lims Bat # : LIMS-82405

QC Batch Number: GC/PID-6676

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-35813					
	Naphthalene	Lab Fort Blank Range	2.0	units	
		Lab Fort Bl. Av. Rec	100.1	%	
		LFB Duplicate RPD	1.9	%	0-25
	Toluene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	115.0	ug/l	
		Lab Fort Blk. % Rec.	115.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	111.5	ug/l	
		Dup Lab Fort Bl %Rec	111.5	%	70-130
		Lab Fort Blank Range	3.5	units	
		Lab Fort Bl. Av. Rec	113.2	%	
		LFB Duplicate RPD	3.1	%	0-25
	o-Xylene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	118.0	ug/l	
		Lab Fort Blk. % Rec.	118.0	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	117.3	ug/l	
		Dup Lab Fort Bl %Rec	117.3	%	70-130
		Lab Fort Blank Range	0.7	units	
		Lab Fort Bl. Av. Rec	117.6	%	
		LFB Duplicate RPD	0.6	%	0-25
	m/p-Xylene	Lab Fort Blank Amt.	200.0	ug/l	
		Lab Fort Blk. Found	230.2	ug/l	
		Lab Fort Blk. % Rec.	115.1	%	70-130
		Dup Lab Fort Bl Amt.	200.0	ug/l	
		Dup Lab Fort Bl. Fnd	224.7	ug/l	
		Dup Lab Fort Bl %Rec	112.4	%	70-130
		Lab Fort Blank Range	2.7	units	
		Lab Fort Bl. Av. Rec	113.7	%	
		LFB Duplicate RPD	2.4	%	0-25
	MTBE	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	111.2	ug/l	
		Lab Fort Blk. % Rec.	111.2	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	
		Dup Lab Fort Bl. Fnd	111.0	ug/l	
		Dup Lab Fort Bl %Rec	111.0	%	70-130
		Lab Fort Blank Range	0.2	units	
		Lab Fort Bl. Av. Rec	111.1	%	
		LFB Duplicate RPD	0.2	%	0-25
	1,2,4-Trimethylbenzene	Lab Fort Blank Amt.	100.0	ug/l	
		Lab Fort Blk. Found	105.7	ug/l	
		Lab Fort Blk. % Rec.	105.7	%	70-130
		Dup Lab Fort Bl Amt.	100.0	ug/l	

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QC Batch Number: GC/PID-6676

Sample Id	Analysis	QC Analysis	Values	Units	Limits
LFBLANK-35813					
	1,2,4-Trimethylbenzene	Dup Lab Fort Bl. Fnd	116.7	ug/l	
		Dup Lab Fort Bl %Rec	116.7	%	70-130
		Lab Fort Blank Range	11.0	units	
		Lab Fort Bl. Av. Rec	111.2	%	
		LFB Duplicate RPD	9.9	%	0-25

con-test®
ANALYTICAL LABORATORY

39 Spruce Street ° 2nd Floor ° East Longmeadow, MA 01028 ° FAX 413/525-6405 ° TEL. 413/525-2332

QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates
Sample Matrix Spikes and Matrix Spike Duplicates

BATCH QC: Lab fortified Blanks and Duplicates
Standard Reference Materials and Duplicates
Method Blanks

QUALITY CONTROL DEFINITIONS AND ABBREVIATIONS

QC BATCH NUMBER	This is the number assigned to all samples analyzed together that would be subject to comparison with a particular set of Quality Control Data.
LIMITS	Upper and Lower Control Limits for the QC ANALYSIS Reported. All values normally would fall within these statistically determined limits, unless there is an unusual circumstance that would be documented in a NOTE appearing on the last page of the QC SUMMARY REPORT. Not all QC results will have Limits defined.
Sample Amount	Amount of analyte found in a sample.
Blank	Method Blank that has been taken though all the steps of the analysis.
LFBLANK	Laboratory Fortified Blank (a control sample)
STDADD	Standard Added (a laboratory control sample)
Matrix Spk Amt Added	Amount of analyte spiked into a sample
MS Amt Measured	Amount of analyte found including amount that was spiked
Matrix Spike % Rec.	% Recovery of spiked amount in sample.
Duplicate Value	The result from the Duplicate analysis of the sample.
Duplicate RPD	The Relative Percent Difference between two Duplicate Analyses.
Surrogate Recovery	The % Recovery for non-environmental compounds (surrogates) spiked into samples to determine the performance of the analytical methods.
Sur. Recovery (ELCD)	Surrogate Recovery on the Electrolytic Conductivity Detector.
Sur. Recovery (PID)	Surrogate Recovery on the Photoionization Detector.
Standard Measured	Amount measured for a laboratory control sample
Standard Amt Added	Known value for a laboratory control sample
Standard % Recovery	% recovered for a laboratory control sample with a known value.
Lab Fort Blank Amt	Laboratory Fortified Blank Amount Added
Lab Fort Blk. Found	Laboratory Fortified Blank Amount Found
Lab Fort Blk % Rec	Laboratory Fortified Blank % Recovered
Dup Lab Fort Bl Amt	Duplicate Laboratory Fortified Blank Amount Added
Dup Lab Fort Bl Fnd	Duplicate Laboratory Fortified Blank Amount Found
Dup Lab Fort Bl % Rec	Duplicate Laboratory Fortified Blank % Recovery
Lab Fort Blank Range	Laboratory Fortified Blank Range (Absolute value of difference between recoveries for Lab Fortified Blank and Lab Fortified Blank Duplicate).
Lab Fort Bl. Av. Rec.	Laboratory Fortified Blank Average Recovery
Duplicate Sample Amt	Sample Value for Duplicate used with Matrix Spike Duplicate
MSD Amount Added	Matrix Spike Duplicate Amount Added (Spiked)
MSD Amt Measured	Matrix Spike Duplicate Amount Measured
MSD % Recovery	Matrix Spike Duplicate % Recovery
MSD Range	Absolute difference between Matrix Spike and Matrix Spike Duplicate Recoveries

con-test® ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

Lmot#82405

39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Company Name: Lincoln Env Inc.
Address: 333 Washington Highway
Smithfield, R.I.
Attention: R. Correira
Project Location: Sutton
Sampled By: R. Griffin

Telephone: (401) 232-3353
Project # RRR 8069
Client PO #

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY

Proposal Provided? (For Billing purposes)
☐ yes ______ proposal date

# of containers	2			
**Preservation	I			
~Cont.Code	V			

ANALYSIS REQUESTED

~Cont. Code: A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=summa can, T=tedlar bag, O=Other

Field ID	Sample Description	Lab # 04B	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	VPH										
	MW-2	30630	9-23-04 AM			✓	GW	✓										
	MW-3	30631	"			✓	"	✓										
	MW-6	30632	"			✓	"	✓										
	MW-7	30633	"			✓	"	✓										
	MW-8	30634	"			✓	"	✓										

Comments:

Relinquished by: (signature) [signature]	Date/Time: 9-23-04 2:00
Received by: (signature) [signature]	Date/Time: 9-24-04 10:05
Relinquished by: (signature) [signature]	Date/Time: 9-24-04 1525
Received by: (signature) [signature] 4.8C	Date/Time: 9/24/4 1525

Turnaround
☐ 24 Hour*
☐ 48 Hour*
☐ 72 Hour*
☑ Std.
☐ Other**
Date needed**
*Require lab approval.

Detection Limit Requirements
Regulations?
Data Enhancement Project? ☐ Y ☐ N
(MA MCP sites only)
Special Requirements or DL's:

Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

****Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
O = Other
X = Na hydroxide
T = Na thiosulfate

Con-Test Laboratory is the ONLY independent laboratory in all of New England with both prestigious AIHA and NELAC Certifications!

OCT 14 2004

MADEP MCP Analytical Method Report Certification Form

Laboratory Name: **CON-TEST Analytical Laboratory**	Project #: LIMS-82405
Project Location: SUTTON	MADEP RTN[1]:

This Form provides certifications for the following data set: [list Laboratory Sample ID Number(s)]

04B30630-04B30634

Sample Matrices: ☒ Groundwater ☐ Soil/Sediment ☐ Drinking Water ☐ Other: _____

MCP SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH (X)	6020 ( )	9014M[2] ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	7196A ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte.

An affirmative response to questions A, B, C and D is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	☒ Yes ☐ No[1]
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	☒ Yes ☐ No[1]
C	Does the data included in this report meet all the analytical requirements for "Presumptive Certainty", as described in Section 2.0 (a), (b), (c) and (d) of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	☒ Yes ☐ No[1]
D	***VPH and EPH Methods only***: Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	☒ Yes ☐ No[1]

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all analytical QC performance standards and recommendations for the specified methods achieved?	☒ Yes ☐ No[1]
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	☒ Yes ☐ No[1]

[1] *All Negative responses must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Edward Denson	**Position: Technical Director**
Printed Name: Edward Denson	**Date:** 10/5/04