



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

REPORT DATE 2/20/2009

TRC SOLUTIONS - LOWELL  
 650 SUFFOLK STREET  
 LOWELL, MA 01852  
 ATTN: DAVID SULLIVAN

CONTRACT NUMBER:  
 PURCHASE ORDER NUMBER:

PROJECT NUMBER:

**ANALYTICAL SUMMARY**

LIMS BAT #: LIMIT-23293  
 JOB NUMBER: 115058

PROJECT LOCATION: CITY OF NEW BEDFORD

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	Subcontract Lab (if any) Cert. Nos.
POST 3(R) (12-16)	09B04220	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (12-16)	09B04220	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (12-16)	09B04220	SOIL	Not Specified	solids (percent)	
POST 3(R) (16-20)	09B04221	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (16-20)	09B04221	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (16-20)	09B04221	SOIL	Not Specified	solids (percent)	
POST 3(R) (20-24)	09B04222	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (20-24)	09B04222	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (20-24)	09B04222	SOIL	Not Specified	solids (percent)	
POST 3(R) (24-28)	09B04223	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (24-28)	09B04223	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (24-28)	09B04223	SOIL	Not Specified	solids (percent)	
POST 3(R) (28-32)	09B04224	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (28-32)	09B04224	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (28-32)	09B04224	SOIL	Not Specified	solids (percent)	
POST 3(R) (32-36)	09B04225	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (32-36)	09B04225	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (32-36)	09B04225	SOIL	Not Specified	solids (percent)	
POST 3(R) (36-40)	09B04226	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (36-40)	09B04226	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (36-40)	09B04226	SOIL	Not Specified	solids (percent)	
POST 3(R) (40-48)	09B04227	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (40-48)	09B04227	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (40-48)	09B04227	SOIL	Not Specified	solids (percent)	
POST 3(R) (48-54)	09B04228	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (48-54)	09B04228	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (48-54)	09B04228	SOIL	Not Specified	solids (percent)	
POST 3(R) (54-60)	09B04229	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (54-60)	09B04229	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (54-60)	09B04229	SOIL	Not Specified	solids (percent)	
POST 3(R) (60-66)	09B04230	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (60-66)	09B04230	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (60-66)	09B04230	SOIL	Not Specified	solids (percent)	
POST 3(R) (66-72)	09B04231	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (66-72)	09B04231	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (66-72)	09B04231	SOIL	Not Specified	solids (percent)	
POST 3(R) (72-78)	09B04232	SOIL	Not Specified	as (mg/kg)dw icp	
POST 3(R) (72-78)	09B04232	SOIL	Not Specified	pb (mg/kg)dw icp	
POST 3(R) (72-78)	09B04232	SOIL	Not Specified	solids (percent)	



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ATTN: DAVID SULLIVAN

CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

**ANALYTICAL SUMMARY**

LIMS BAT #: LIMIT-23293

JOB NUMBER: 115058

POST 3(R) (78-84)	09B04233	SOIL	Not Specified	as (mg/kg)dw icp
POST 3(R) (78-84)	09B04233	SOIL	Not Specified	pb (mg/kg)dw icp
POST 3(R) (78-84)	09B04233	SOIL	Not Specified	solids (percent)
POST 3(R) (8-12)	09B04219	SOIL	Not Specified	as (mg/kg)dw icp
POST 3(R) (8-12)	09B04219	SOIL	Not Specified	pb (mg/kg)dw icp
POST 3(R) (8-12)	09B04219	SOIL	Not Specified	solids (percent)
POST 3(R) (84-90)	09B04234	SOIL	Not Specified	as (mg/kg)dw icp
POST 3(R) (84-90)	09B04234	SOIL	Not Specified	pb (mg/kg)dw icp
POST 3(R) (84-90)	09B04234	SOIL	Not Specified	solids (percent)



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REPORT DATE 2/20/2009

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CONTRACT NUMBER:  
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

**ANALYTICAL SUMMARY**

LIMS BAT #: LIMIT-23293  
JOB NUMBER: 115058

Comments :

LIMS BATCH NO. : LIMIT-23293

**CASE NARRATIVE SUMMARY**

Recommended sample holding times were not exceeded for all samples unless listed below:  
None Exceeded

All samples for the method(s) listed were received preserved properly in the proper containers at 4°C +/- 2 degrees as specified on the chain-of-custody form unless listed below:  
All properly preserved

There are no analytical issues which affect the usability of the data.

**DETAILED CASE NARRATIVE**

**METHOD SW846-6010 - ADDITIONAL DETAILS**

A sample duplicate and ms were performed on sample 09B04219.

The ms is outside control limits for As. Analysis is in control based on the LFB recovery. The sample concentration is >4X spike concentration, therefore a representative recovery may not be obtainable. Control limits provided for reference only (not applicable).

Only As and Pb results were requested and reported.

The results of analyses performed are based on samples as submitted to the laboratory and relate only to the items collected and tested.

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations. AIHA accreditations only apply to NIOSH methods and Environmental Lead Analyses.

AIHA 100033	AIHA ELLAP (LEAD) 100033	NORTH CAROLINA CERT. # 652
MASSACHUSETTS MA0100	NEW HAMPSHIRE NELAP 2516	NEW JERSEY NELAP NJ MA007 (AIR)
CONNECTICUT PH-0567	VERMONT DOH (LEAD) No. LL015036	FLORIDA DOH E871027 (AIR)
NEW YORK ELAP/NELAP 10899	RHODE ISLAND (LIC. No. 112)	

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* 2/23/09  
SIGNATURE DATE

Tod Kopyscinski  
Air Laboratory Manager

Michael Erickson  
Assistant Laboratory Director

Edward Denson  
Technical Director

Daren Damboragian  
Organics Department Supervisor

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

DAVID SULLIVAN  
 TRC SOLUTIONS - LOWELL  
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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD

LIMS-BAT #: LIMIT-23293

Date Received: 2/16/2009

Job Number: 115058

Field Sample #: POST 3(R) (12-16)

Sample ID: 09B04220 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	9.39	02/19/09	KSH	2.94			

Field Sample #: POST 3(R) (16-20)

Sample ID: 09B04221 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	ND	02/19/09	KSH	2.69			

Field Sample #: POST 3(R) (20-24)

Sample ID: 09B04222 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	4.22	02/19/09	KSH	2.74			

Field Sample #: POST 3(R) (24-28)

Sample ID: 09B04223 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	5.17	02/19/09	KSH	2.79			

Field Sample #: POST 3(R) (28-32)

Sample ID: 09B04224 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	5.67	02/19/09	KSH	2.79			

RL = Reporting Limit

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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

‡ = See attached chain-of-custody record for time sampled

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD

LIMS-BAT #: LIMIT-23293

Date Received: 2/16/2009

Job Number: 115058

Field Sample #: POST 3(R) (32-36)

Sample ID: 09B04225 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	6.31	02/19/09	KSH	2.79			

Field Sample #: POST 3(R) (36-40)

Sample ID: 09B04226 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	6.03	02/19/09	KSH	2.81			

Field Sample #: POST 3(R) (40-48)

Sample ID: 09B04227 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	5.27	02/19/09	KSH	2.82			

Field Sample #: POST 3(R) (48-54)

Sample ID: 09B04228 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	103	02/19/09	KSH	2.83			

Field Sample #: POST 3(R) (54-60)

Sample ID: 09B04229 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	6.81	02/19/09	KSH	2.84			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD  
Date Received: 2/16/2009

LIMS-BAT #: LIMIT-23293  
Job Number: 115058

Field Sample # : POST 3(R) (84-90)

Sample ID : 09B04234      ‡Sampled : 2/16/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Arsenic	mg/kg dry wt	5.29	02/19/09	KSH	2.88			

Analytical Method:  
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY  
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD

LIMS-BAT #: LIMIT-23293

Date Received: 2/16/2009

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Field Sample #: POST 3(R) (60-66)

Sample ID: 09B04230 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	13.9	02/19/09	KSH	0.87			

Field Sample #: POST 3(R) (66-72)

Sample ID: 09B04231 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	34.1	02/19/09	KSH	0.89			

Field Sample #: POST 3(R) (72-78)

Sample ID: 09B04232 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	152	02/19/09	KSH	0.85			

Field Sample #: POST 3(R) (78-84)

Sample ID: 09B04233 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	35.9	02/19/09	KSH	0.86			

Field Sample #: POST 3(R) (8-12)

Sample ID: 09B04219 ±Sampled: 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	38.5	02/19/09	KSH	0.94			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD  
Date Received: 2/16/2009

LIMS-BAT #: LIMIT-23293  
Job Number: 115058

Field Sample # : POST 3(R) (84-90)

Sample ID : 09B04234      ‡Sampled : 2/16/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/kg dry wt	29.8	02/19/09	KSH	0.87			

Analytical Method:  
SW846 3050/6010

SAMPLES ARE DIGESTED WITH NITRIC ACID AND THEN ANALYZED BY  
INDUCTIVELY COUPLED PLASMA EMISSION SPECTROSCOPY.

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD  
 Date Received: 2/16/2009

LIMS-BAT #: LIMIT-23293  
 Job Number: 115058

**Field Sample # : POST 3(R) (60-66)**

**Sample ID : 09B04230** ‡Sampled : 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	86.7	02/18/09	FD			

**Field Sample # : POST 3(R) (66-72)**

**Sample ID : 09B04231** ‡Sampled : 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	85.2	02/18/09	FD			

**Field Sample # : POST 3(R) (72-78)**

**Sample ID : 09B04232** ‡Sampled : 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	88.4	02/18/09	FD			

**Field Sample # : POST 3(R) (78-84)**

**Sample ID : 09B04233** ‡Sampled : 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	87.5	02/18/09	FD			

**Field Sample # : POST 3(R) (8-12)**

**Sample ID : 09B04219** ‡Sampled : 2/16/2009  
 Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	79.9	02/18/09	FD			

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Purchase Order No.:

Project Location: CITY OF NEW BEDFORD  
Date Received: 2/16/2009

LIMS-BAT #: LIMIT-23293  
Job Number: 115058

Field Sample # : POST 3(R) (84-90)

Sample ID : 09B04234      ‡Sampled : 2/16/2009  
Not Specified

Sample Matrix: SOIL

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Solids, total	%	87.0	02/18/09	FD			

Analytical Method:

SM 2540G

PERCENT OF SAMPLE REMAINING AFTER DRYING OVERNIGHT AT 103-105 DEGREES CENTIGRADE.

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Date Received: 2/16/2009

LIMS-BAT #: LIMIT-23293  
Job Number: 115058

\*\* END OF REPORT \*\*

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**QC SUMMARY REPORT**

SAMPLE QC: Sample Results with Duplicates

BATCH QC: Lab fortified Blanks and Duplicates

Sample Matrix Spikes and Matrix Spike Duplicates

Standard Reference Materials and Duplicates

Method Blanks

Report Date: 2/20/2009

Lims Bat # : LIMIT-23293

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QC Batch Number: ICP-21182

Sample Id	Analysis	QC Analysis	Values	Units	Limits
09B04219	Arsenic	Sample Amount	672.99	mg/kg dry wt	
		Duplicate Value	665.44	mg/kg dry wt	
		Duplicate RPD	1.12	%	0-35
		Sample Amount	672.99	mg/kg dry wt	
		Matrix Spk Amt Added	31.28	mg/kg dry wt	
		MS Amt Measured	751.63	mg/kg dry wt	
		Matrix Spike % Rec.	251.33	%	75-125
	Lead	Sample Amount	38.50	mg/kg dry wt	
		Duplicate Value	39.08	mg/kg dry wt	
		Duplicate RPD	1.49	%	0-35
		Sample Amount	38.50	mg/kg dry wt	
		Matrix Spk Amt Added	31.28	mg/kg dry wt	
		MS Amt Measured	69.96	mg/kg dry wt	
		Matrix Spike % Rec.	100.57	%	75-125
BLANK-129707	Arsenic	Blank	<2.50	mg/kg dry wt	
	Lead	Blank	<0.75	mg/kg dry wt	
LFBLANK-91813	Arsenic	Lab Fort Blank Amt.	123.00	mg/kg dry wt	
		Lab Fort Blk. Found	121.83	mg/kg dry wt	
		Lab Fort Blk. % Rec.	99.04	%	80-120
		Dup Lab Fort Bl Amt.	123.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	136.57	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	111.03	%	80-120
		Lab Fort Blank Range	11.98	units	
		Lab Fort Bl. Av. Rec	105.04	%	
		LFB Duplicate RPD	11.40	%	0-30
	Lead	Lab Fort Blank Amt.	136.00	mg/kg dry wt	
		Lab Fort Blk. Found	124.05	mg/kg dry wt	
		Lab Fort Blk. % Rec.	91.21	%	82-118
		Dup Lab Fort Bl Amt.	136.00	mg/kg dry wt	
		Dup Lab Fort Bl. Fnd	135.85	mg/kg dry wt	
		Dup Lab Fort Bl %Rec	99.88	%	82-118
		Lab Fort Blank Range	8.67	units	
		Lab Fort Bl. Av. Rec	95.55	%	
		LFB Duplicate RPD	9.08	%	0-30



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### QC SUMMARY REPORT

SAMPLE QC: Sample Results with Duplicates                      BATCH QC: Lab fortified Blanks and Duplicates  
Sample Matrix Spikes and Matrix Spike Duplicates                      Standard Reference Materials and Duplicates  
Method Blanks

Report Date: 2/20/2009                      Lims Bat #: LIMIT-23293                      Page 2 of 2

### 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

**MADEP MCP ANALYTICAL METHOD REPORT CERTIFICATION FORM**

Laboratory Name: <b>CON-TEST Analytical Laboratory</b>	Project #: <i>LIMIT-23293</i>
Project Location: <i>CITY OF NEW BEDFORD</i>	MADEP RTN <sup>1</sup> :

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

*09B04219 - 09B04234*

Sample Matrices:    Groundwater    Soil/Sediment    Drinking Water    Other: \_\_\_\_\_

<b>MCP SW-846 Methods Used</b>	8260B ( )	8151A ( )	8330 ( )	6010B <input checked="" type="checkbox"/>	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M <sup>2</sup> ( )
As specified in MADEP Compendium of Analytical Methods. (check all that apply)	8082 ( )	8021B ( )	EPH ( )	7000 S <sup>3</sup> ( )	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**

<b>A</b>	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>B</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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>C</b>	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"?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>
<b>D</b>	<b><u>VPH and EPH Methods only:</u></b> Was the VPH or EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <sup>1</sup>

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

<b>E</b>	Were all analytical QC performance standards and recommendations for the specified methods achieved?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>
<b>F</b>	Were results for all analyte-list compounds/elements for the specified method(s) reported?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <sup>1</sup>

<sup>1</sup> 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: <u><i>Edward Denson</i></u>	Position: <b>Technical Director</b>
Printed Name: <b>Edward Denson</b>	Date: <u><i>2/23/09</i></u>



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

**CHAIN OF CUSTODY RECORD**

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

Company Name: TRC

Address: 650 SUTTONS FOLK ST.

Lowell MA 01854

Attention: David Sullivan

Project Location: CITY OF NEW BEDFORD (W1154)

Sampled By: Jeff Saunders

Proposal Provided? (For Billing purposes)  
 Yes  Unknown  No

State Form Required?  
 Yes  No

Limf-23293

Telephone: 4987 656-3525

Project # 115055

Client PO #

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT

Fax #:

Email: dsullivan@contestlabs.com  
 EXCEL  PDF  GIS KEY

Field ID	Sample Description	Lab #	Date Sampled		Comp- osite	Grab	*Matrix   Conc.		ANALYSIS REQUESTED	# of containers
			Start- Date/Time	Stop Date/Time			Code	Code		
Post-3(KC) (5-12)	04A19	2/16/09	1005	6	S	U	X	X		
Post-3(KC) (12-16)	04A20		1010				X	X		
Post-3(KC) (16-20)	04A21		1012				X	X		
Post-3(KC) (20-24)	04A22		1014				X	X		
Post-3(KC) (24-28)	04A23		1015				X	X		
Post-3(KC) (28-32)	04A24		1015				X	X		
Post-3(KC) (32-36)	04A25		1020				X	X		
Post-3(KC) (36-40)	04A26		1022				X	X		

Comments: Total Arsenic  
Total Lead

Turnaround Time Starts at 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AIHA, NELAP & WBE/DBE Certified

Relequished by: (signature) [Signature] Date/Time: 2/16/09 1545

Received by: (signature) [Signature] Date/Time: 2-16-09 1545

Relequished by: (signature) [Signature] Date/Time: 2-16-09 1815

Received by: (signature) [Signature] Date/Time: 2/16/09 1815

Turnaround \*\*  
 7-Day  
 10-Day  
 Other 5 Day  
 RUSH \*

Detection Limit Requirements  
 Regulations? MCL 5-16-2

Data Enhancement Project/RCP?  Y  N

Special Requirements or DL's: See Code

\*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





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

CHAIN OF CUSTODY RECORD

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

Company Name: TRC  
 Address: 650 Suffolk St.  
Lowell MA 01854

Telephone: (978) 656-3525  
 Project # 115058  
 Client PO # \_\_\_\_\_

Attention: Paul Sullivan

Project Location: City of WB (Walsh)

Sampled By: Self Standards

Proposal Provided? (For Billing purposes)  yes  no

State Form Required?  yes  no

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT  
 Fax #: \_\_\_\_\_  
 Email: dulliam@hillsdaletrans.com  
 Format:  EXCEL  PDF  GIS KEY  
 OTHER \_\_\_\_\_

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp-oste	Grab	Matrix Code	Conc. Code
	Post-30R (90-9C)		2/16/09	1108				5	a
	Post-3A (16-12)								
	Post-3A (12-15)								
	Post-3A (18-24)								
	Post-3A (24-30)								
	Post-3A (30-3C)								
	Post-3A (36-42)								
	Post-3A (42-48)		2/16/09	1136				5	u

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) [Signature] Date/Time: 2/16/09 1545

Received by: (signature) [Signature] Date/Time: 2-16-09 1545

Relinquished by: (signature) [Signature] Date/Time: 2-16-09 1815

Received by: (signature) [Signature] Date/Time: 2/16/09 1815

Turnaround:  7-Day  10-Day  Other 5 Day  RUSH \*

Detection Limit Requirements: Regulations? MLP 5-1/5-2

Data Enhancement Project/RCP?  Y  N

Special Requirements or DLs: See Note

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

ANALYSIS REQUESTED	# of containers	**Preservation	-Cont Code	Cont. Code:
Total Arsenic	1			A=amber glass, G=glass, P=plastic, ST=sterile, V=vial, S=surround can, T=tedlar bag, O=Other
Total Lead	1			

Client Comments:

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



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CHAIN OF CUSTODY RECORD

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

Company Name: TRC  
 Address: 650 Suffolk St  
Lowell MA 01854

Telephone: (478) 686-3585  
 Project # 115055  
 Client PO # \_\_\_\_\_

Attention: David Sullivan

Project Location: City of WTB (Walsh)

Sampled By: Jeff Saunders

Proposal Provided? (For Billing purposes)  
 Yes  Unknown  proposal date

State Form Required?  
 Yes  No

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT  
 Email: Asilvane@resolutions.com  
 Format:  EXCEL  PDF  GIS KEY  
 OTHER

Field ID	Sample Description	Lab #	Date Sampled	Start Date/Time	Stop Date/Time	Comp-oste	Grab	Matrix Code	Conc. Code
	Post-33 (42-48)		2/16/09	1115		G	S	LL	
	Post-3A (48-54)			1145					
	Post-3A (54-60) <sup>Plus</sup> <sub>MS/Dr. Pl.</sub>			1147					
	Post-3B (6-12)			1212					
	Post-3B (12-18)			1214					
	Post-3B (18-24)			1216					
	Post-3B (24-30)			1218					
	Post-3B (30-36)		2/16/09	1220		G	S	L	

Laboratory Comments: \_\_\_\_\_

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:  
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) _____ Date/Time: <u>2/16/09 1345</u>	Turnaround ** <input type="checkbox"/> 7-Day <input type="checkbox"/> 10-Day <input checked="" type="checkbox"/> Other <u>1 Day</u> RUSH *	Detection Limit Requirements Regulations? <u>MCL 5.1/5.2</u> Data Enhancement Project/RCP? <u>AY</u> <input type="checkbox"/> N	*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
Received by: (signature) _____ Date/Time: <u>2-16-09 1545</u>	<input type="checkbox"/> 24-Hr <input type="checkbox"/> 48-Hr <input type="checkbox"/> 72-Hr <input type="checkbox"/> 4-Day * Require lab approval	Special Requirements or DL's: <u>See Note</u>		
Relinquished by: (signature) _____ Date/Time: <u>2-16-09 1815</u>				
Received by: (signature) _____ Date/Time: <u>2/16/09 1815</u>				

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

A/H/A, NELAC & WBE/DBE Certified

Cont. Code:	# of containers
A=amber glass	1
G=glass	1
P=plastic	1
ST=sterile	
V= vial	
S=surrima can	
T=teflar bag	
O=Other	

Client Comments: \_\_\_\_\_



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CHAIN OF CUSTODY RECORD

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

Company Name: TRC  
 Address: 650 Suffolk St., Lowell MA 01554  
 Attention: Daniel Sullivan

Project Location: City of W.B. (Wash)

Sampled By: Jeff Saunders

Proposal Provided? (For Billing purposes)  
 yes when proposal date  State Form Required?  yes  no

Telephone: 978 656-3525  
 Project # 115058  
 Client PO # \_\_\_\_\_

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT

Fax #: \_\_\_\_\_  
 Email: dellivance@contestlabs.com  
 Format:  EXCEL  PDF  GIS KEY

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp. site	Grab	*Matrix Code	Conc. Code
	Post-3B (36-42)		2/16/09	1222	C	S	U	
	Post-3B (42-48)			1224				
	Post-3B (48-54)			1236				
	Post-3B (54-60)			1238				
	Post-3B (60-66)			1240				
	Post-3B (66-72)			1242				
	Post-3B (72-78)			1244				
	Post-3B (78-84)		2/16/09	1246	C	S	U	

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

ANALYSIS REQUESTED	# of containers	**Preservation
Total Arsenic	1	I
Total Lead	1	I

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

Client Comments:

Relinquished by: (signature) [Signature] Date/Time: 2/16/09 1545  
 Received by: (signature) [Signature] Date/Time: 2/16/09 1545  
 Relinquished by: (signature) [Signature] Date/Time: 2/16/09 1815  
 Received by: (signature) [Signature] Date/Time: 2/16/09 1815

Turnaround \*\*  
 7-Day  
 10-Day  
 Other 30  
 RUSH \*  
 \*24-Hr  \*48-Hr  
 \*72-Hr  \*4-Day  
 \* Require lab approval

Detection Limit Requirements  
 Regulations? MCL 5-115-2  
 Data Enhancement Project/RCP?  Y  N  
 Special Requirements or DL's: See Grid

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

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

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



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CHAIN OF CUSTODY RECORD

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

Company Name: TRC  
 Address: 650 Suffolk St.  
Lowell MA 01854

Attention: David Sullivan

Project Location: City of AB (W1514)  
 Sampled By: Jeff Saunders

Proposal Provided? (For Billing purposes)  
 Yes Under new proposal date

State Form Required?  
 Yes  No

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT  
 Fax #: \_\_\_\_\_  
 Email: dsullivan@prosalabs.com  
 Format:  EXCEL  PDF  GIS KEY  
 OTHER

Telephone: (978) 656-3565  
 Project # 15058  
 Client PO # \_\_\_\_\_

# of containers: \_\_\_\_\_  
 \*\*Preservation: \_\_\_\_\_  
 -Cont Code: \_\_\_\_\_  
 -Cont Code: \_\_\_\_\_  
 -Cont Code: \_\_\_\_\_

Field ID	Sample Description	Lab #	Date Sampled	Stop Date/Time	Start Date/Time	Comp- oste	Grab	*Matrix   Conc. Code   Code
	Post-34 (42-48)		2/16/09	1300		G	S	U
	Post-3C (6-12)			1319				
	Post-3C (12-18)			1312				
	Post-3C (18-24)			1314				
	Post-3C (24-30)			1316				
	Post-3C (30-36)			1318				
	Post-3C (36-42)			1320				
	Post-3C (42-48)		2/16/09	1322		G	S	U

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by (signature) \_\_\_\_\_ Date/Time: 2/16/09 1345

Received by (signature) \_\_\_\_\_ Date/Time: 2-16-9 1345

Relinquished by (signature) \_\_\_\_\_ Date/Time: \_\_\_\_\_

Received by (signature) \_\_\_\_\_ Date/Time: 2-16-9 1815

Turnaround \*\*  
 7-Day  
 10-Day  
 Other 5 days  
 \*24-Hr  \*48-Hr  
 \*72-Hr  \*4-Day  
 RUSH \*

Detection Limit Requirements  
 Regulations? MCL 5-1/5-2

Data Enhancement Project/RCP?  Y  N

Special Requirements or DL's: See Quote

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

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

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.







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CHAIN OF CUSTODY RECORD

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

Company Name: TRC  
 Address: 650 Safford St, Lowell MA 01854

Telephone: (978) 676-3585  
 Project # 115055  
 Client PO # \_\_\_\_\_

Attention: David Sullivan

Project Location: City of NFB (Walsh)

Sampled By: Jeff Saunders

Proposal Provided? (For Billing purposes)  Yes  No

State Form Required?  Yes  No

DATA DELIVERY (check one):  
 FAX  EMAIL  WEBSITE CLIENT  
 Fax #: \_\_\_\_\_  
 Email: dsullivan@contestlabs.com  
 Format:  EXCEL  PDF  GIS KEY  
 OTHER \_\_\_\_\_

Field ID	Sample Description	Lab #	Start Date/Time	Stop Date/Time	Comp-oste	Grab	*Matrix Code	Conc. Code
	Post-3E (18-24)		2/16/09	1434	G	S	U	X
	Post-3E (24-30)			1436				X
	Post-3E (30-36)			1438				X
	Post-3E (36-42) (MSP)			1440				X
	Post-3E (42-48)			1442				X
	Post-3E (48-54)			1500				X
	Post-3E (54-60)			1502				X
	Post-3E (60-66)		2/16/09	1504	G	S	U	X

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

ANALYSIS REQUESTED	# of containers	**Preservation	-Cont Code:
Total Arsenic	1		A=amber glass G=glass P=plastic ST=sterile V=val S=sunna can T=redlar bag O=Other
Total Lead	1		

Relinquished by: (signature) [Signature] Date/Time: 2/16/09 1345

Received by: (signature) [Signature] Date/Time: 2-16-09 1542

Relinquished by: (signature) [Signature] Date/Time: 2-16-09 1815

Received by: (signature) [Signature] Date/Time: 2/16/09 1815

Turnaround \*\*  
 7-Day  
 10-Day  
 Other 5 Day RUSH  
 \*24-Hr  \*48-Hr  \*72-Hr  \*4-Day

Detection Limit Requirements  
 Regulations? MCP 5-115-2  
 Data Enhancement Project/ROP?  Y  N  
 Special Requirements or DL's: See Data

\*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, X = Na hydroxide, T = Na thiosulfate, O = Other

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

AHQA, NELAC & WBE/DBE Certified

**Sample Receipt Checklist**

CLIENT NAME: TRC RECEIVED BY: OE DATE: 2/18/09

- 1) Was the chain(s) of custody relinquished and signed?  Yes  No
- 2) Does the chain agree with the samples?  Yes  No  
If not, explain:
- 3) Are all the samples in good condition?  Yes  No  
If not, explain:

4) How were the samples received:  
 On Ice  Direct from Sampling  Ambient  In Cooler(s)   
 Were the samples received in Temperature Compliance of (2-6°C)?  Yes  No  
 Temperature °C by Temp blank 3.0 Temperature °C by Temp gun \_\_\_\_\_

- 5) Are there Dissolved samples for the lab to filter? Yes  No   
Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_
- 6) Are there any samples "On Hold"? Yes  No  Stored where:
- 7) Are there any RUSH or SHORT HOLDING TIME samples? Yes  No   
Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

8) Location where samples are stored:

Permission to subcontract samples? Yes  No   
 (Walk-in clients only) if not already approved  
 Client Signature: \_\_\_\_\_

**Containers sent in to Con-Test**

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	75
250 mL Amber (8oz amber)		2 oz clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl \_\_\_\_\_ # Methanol \_\_\_\_\_  
 # Bisulfate \_\_\_\_\_ # DI Water \_\_\_\_\_ Time and Date Frozen: \_\_\_\_\_  
 # Thiosulfate \_\_\_\_\_ Unpreserved \_\_\_\_\_

Do all samples have the proper pH: Yes No N/A