

Second half - 54 Pages

CUSHING, JAMMALLO & WHEELER, INC.

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FAX TRANSMITTAL

TO: Anne FAX #: 617-918-0505
COMPANY: E.P.A. DATE: 2-2-2006
FROM: Greg Morand # OF PAGES (INCLUDING COVER): _____
COMMENTS: _____

Anne:

Here is our RGP/NOI request for
106 Water St, Leominster, Ma.

Please call if you have any Q's or Comments.

Thank you!

Greg ☺

Environmental Services

- LSP Services
- Site Assessment & Investigation
- Site Remediation Design
- Remedial System, Installation, Operation & Maint.
- Remedial Construction Oversight
- Human, Health & Environmental Risk Assessment
- Comprehensive Environmental Compliance Audits
- Facility Response Plans
- Right-to-know Programs
- NPDES Permitting
- SARA Title III Reporting
- Hazardous and Universal Waste Management Plans
- Environmental Management Systems
- UST Removal & Closure Services
- UST and AST System Design
- 21J Cost Recovery Management
- Asbestos Inspection and Management
- Stormwater Management Plans

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

REPORT DATE 12/27/2005

CUSHING, JAMMALLO & WHEELER
180 STONE STREET
CLINTON, MA 01510
ATTN: RICH CUSHING

CONTRACT NUMBER:
PURCHASE ORDER NUMBER:

PROJECT NUMBER:

ANALYTICAL SUMMARY

LIMS BAT #: LIMS-94076
JOB NUMBER: 5067

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

PROJECT LOCATION: 106 WATER ST, LEOMINSTER MA

FIELD SAMPLE #	LAB ID	MATRIX	SAMPLE DESCRIPTION	TEST	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	608 pcb	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	8260 water	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	8270 water	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	ag (mg/l) fum	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	as (mg/l) wet	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	cd (mg/l) icp	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	chlorine tot res	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	chromium (+6)	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	cr (mg/l) icp	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	cu (mg/l) icp	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	cyanide-total	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	fe (mg/l) icp	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	hg (mg/l) wet	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	ni (mg/l) icp	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	pb (mg/l) fum	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	phenols	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	sb (mg/l) fum	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	se (mg/l) fum	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	tss	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	wet special test	
PRE-TREAT INF-1	05B49291	WASTE WATE	FRAC TANK	zn (mg/l) icp	
PRE-TREAT INF-1	05B49292	WASTE WATE	FRAC TANK	sub special test	SUBCONTRACTED



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ANALYTICAL SUMMARY

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Comments :

LIMS BATCH NO. : LIMS-94076

IN METHOD 8260, ANY REPORTED RESULT FOR 1,4-DIOXANE OR 2,2-DICHLOROPROPANE IS ESTIMATED SINCE EITHER INITIAL OR CONTINUING CALIBRATION IS OUTSIDE OF METHOD SPECIFICATIONS AND REPORTED RESULTS ARE ESTIMATED.

IN METHOD 8260, ANY REPORTED RESULT FOR 2,2-DICHLOROPROPANE IS LIKELY TO BE BIASED ON THE LOW SIDE BASED ON LABORATORY FORTIFIED BLANK RECOVERY BIAS.

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

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 12/27/05

Tod Kopyscinski
Director of Operations

Sondra L. Slesinski
Quality Control Coordinator

SIGNATURE

DATE

Edward Denson
Technical Director

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



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CLINTON, MA 01510

Purchase Order No.:

12/27/2005

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
PCB 1018	ug/l	ND	12/24/05	FD	0.20			
PCB-1221	ug/l	ND	12/24/05	FD	0.20			
PCB-1232	ug/l	ND	12/24/05	FD	0.20			
PCB-1242	ug/l	ND	12/24/05	FD	0.20			
PCB-1248	ug/l	ND	12/24/05	FD	0.20			
PCB-1254	ug/l	ND	12/24/05	FD	0.20			
PCB-1260	ug/l	ND	12/24/05	FD	0.20			

Analytical Method:

EPA 608

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE, SOLVENT EXCHANGED WITH HEXANE, CONCENTRATED BY KUDERNA-DANISH OR TURBOVAP EVAPORATIVE METHODS, AND ANALYZED BY GAS CHROMATOGRAPHY WITH ELECTRON CAPTURE DETECTION.

RL = Reporting Limit

ND = Not Detected at or above the Reporting Limit

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.



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Purchase Order No.:

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LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

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Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acetone	ug/l	ND	12/21/05	LBD	50.0			
Acrylonitrile	ug/l	ND	12/21/05	LBD	5.0			
tert-Amyimethyl Ether	ug/l	ND	12/21/05	LBD	0.5			
Benzene	ug/l	ND	12/21/05	LBD	1.0			
Bromobenzene	ug/l	ND	12/21/05	LBD	1.0			
Bromochloromethane	ug/l	ND	12/21/05	LBD	1.0			
Bromodichloromethane	ug/l	ND	12/21/05	LBD	1.0			
Bromoform	ug/l	ND	12/21/05	LBD	3.0			
Bromomethane	ug/l	ND	12/21/05	LBD	2.0			
2-Butanone (MEK)	ug/l	ND	12/21/05	LBD	20.0			
tert-Butyl Alcohol	ug/l	ND	12/21/05	LBD	20.0			
n-Butylbenzene	ug/l	ND	12/21/05	LBD	2.0			
sec-Butylbenzene	ug/l	ND	12/21/05	LBD	1.0			
tert-Butylbenzene	ug/l	ND	12/21/05	LBD	2.0			
tert-Butylethyl Ether	ug/l	ND	12/21/05	LBD	0.5			
Carbon Disulfide	ug/l	ND	12/21/05	LBD	3.0			
Carbon Tetrachloride	ug/l	ND	12/21/05	LBD	1.0			
Chlorobenzene	ug/l	ND	12/21/05	LBD	1.0			
Chlorodibromomethane	ug/l	ND	12/21/05	LBD	2.0			
Chloroethane	ug/l	ND	12/21/05	LBD	2.0			
Chloroform	ug/l	ND	12/21/05	LBD	2.0			
Chloromethane	ug/l	ND	12/21/05	LBD	2.0			
2-Chlorotoluene	ug/l	ND	12/21/05	LBD	1.0			
4-Chlorotoluene	ug/l	ND	12/21/05	LBD	1.0			
1,2-Dibromo-3-Chloropropane	ug/l	ND	12/21/05	LBD	5.0			
1,2-Dibromoethane	ug/l	ND	12/21/05	LBD	1.00			
Dibromomethane	ug/l	ND	12/21/05	LBD	1.0			
1,2-Dichlorobenzene	ug/l	ND	12/21/05	LBD	1.0			
1,3-Dichlorobenzene	ug/l	ND	12/21/05	LBD	1.0			
1,4-Dichlorobenzene	ug/l	ND	12/21/05	LBD	1.0			

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
trans-1,4-Dichloro-2-Butene	ug/l	ND	12/21/05	LBD	2.0			
Dichlorodifluoromethane	ug/l	ND	12/21/05	LBD	2.0			
1,1-Dichloroethane	ug/l	ND	12/21/05	LBD	1.0			
1,2-Dichloroethane	ug/l	ND	12/21/05	LBD	1.0			
1,1-Dichloroethylene	ug/l	ND	12/21/05	LBD	1.0			
cis-1,2-Dichloroethylene	ug/l	ND	12/21/05	LBD	1.0			
trans-1,2-Dichloroethylene	ug/l	ND	12/21/05	LBD	1.0			
1,2-Dichloropropane	ug/l	ND	12/21/05	LBD	1.0			
1,3-Dichloropropane	ug/l	ND	12/21/05	LBD	0.5			
2,2-Dichloropropane	ug/l	ND	12/21/05	LBD	5.0			
1,1-Dichloropropene	ug/l	ND	12/21/05	LBD	2.0			
cis-1,3-Dichloropropene	ug/l	ND	12/21/05	LBD	2.0			
trans-1,3-Dichloropropene	ug/l	ND	12/21/05	LBD	2.0			
Diethyl Ether	ug/l	ND	12/21/05	LBD	2.0			
Diisopropyl Ether	ug/l	ND	12/21/05	LBD	0.5			
1,4-Dioxane	ug/l	ND	12/21/05	LBD	50.0			
Ethyl Benzene	ug/l	ND	12/21/05	LBD	1.0			
Hexachlorobutadiene	ug/l	ND	12/21/05	LBD	1.0			
2-Hexanone	ug/l	ND	12/21/05	LBD	10.0			
Isopropylbenzene	ug/l	ND	12/21/05	LBD	2.0			
p-Isopropyltoluene	ug/l	ND	12/21/05	LBD	2.0			
MTBE	ug/l	ND	12/21/05	LBD	2.0			
Methylene Chloride	ug/l	ND	12/21/05	LBD	5.0			
MIBK	ug/l	ND	12/21/05	LBD	10.0			
Naphthalene	ug/l	ND	12/21/05	LBD	5.0			
n-Propylbenzene	ug/l	ND	12/21/05	LBD	1.0			
Styrene	ug/l	ND	12/21/05	LBD	2.0			
1,1,1,2-Tetrachloroethane	ug/l	ND	12/21/05	LBD	1.0			
1,1,1,2,2-Tetrachloroethane	ug/l	ND	12/21/05	LBD	0.5			
Tetrachloroethylene	ug/l	ND	12/21/05	LBD	1.0			

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Tetrahydrofuran	ug/l	ND	12/21/05	LBD	10.0			
Toluene	ug/l	ND	12/21/05	LBD	1.0			
1,2,3-Trichlorobenzene	ug/l	ND	12/21/05	LBD	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	12/21/05	LBD	1.0			
1,1,1-Trichloroethane	ug/l	ND	12/21/05	LBD	1.0			
1,1,2-Trichloroethane	ug/l	ND	12/21/05	LBD	1.0			
Trichloroethylene	ug/l	ND	12/21/05	LBD	1.0			
Trichlorofluoromethane	ug/l	ND	12/21/05	LBD	2.0			
1,2,3-Trichloropropane	ug/l	ND	12/21/05	LBD	2.0			
1,2,4-Trimethylbenzene	ug/l	ND	12/21/05	LBD	1.0			
1,3,5-Trimethylbenzene	ug/l	ND	12/21/05	LBD	2.0			
Vinyl Chloride	ug/l	ND	12/21/05	LBD	2.0			
m + p Xylene	ug/l	ND	12/21/05	LBD	2.0			
o-Xylene	ug/l	ND	12/21/05	LBD	1.0			

Analytical Method:

SW846 8260

SAMPLES ARE CONCENTRATED BY PURGE & TRAP, FOLLOWED BY GC/MS TARGET COMPOUND ANALYSIS.

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LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Acenaphthene	ug/l	ND	12/23/05	BGL	0.30			
Acenaphthylene	ug/l	ND	12/23/05	BGL	0.30			
Acetophenone	ug/l	ND	12/23/05	BGL	10.0			
Aniline	ug/l	ND	12/23/05	BGL	5.00			
Anthracene	ug/l	ND	12/23/05	BGL	0.20			
Benzoic Acid	ug/l	ND	12/23/05	BGL	30.0			
Benzo(a)anthracene	ug/l	ND	12/23/05	BGL	0.050			
Benzo(a)pyrene	ug/l	ND	12/23/05	BGL	0.100			
Benzo(b)fluoranthene	ug/l	ND	12/23/05	BGL	0.050			
Benzo(g,h,i)perylene	ug/l	ND	12/23/05	BGL	0.500			
Benzo(k)fluoranthene	ug/l	ND	12/23/05	BGL	0.200			
Bis(2-chloroethoxy)methane	ug/l	ND	12/23/05	BGL	10.0			
Bis(2-chloroethyl)ether	ug/l	ND	12/23/05	BGL	10.0			
Bis(2-chloroisopropyl)ether	ug/l	ND	12/23/05	BGL	10.0			
Bis(2-ethylhexyl)phthalate	ug/l	ND	12/23/05	BGL	1.00			
4-Bromophenyl phenyl ether	ug/l	ND	12/23/05	BGL	10.0			
Butylbenzylphthalate	ug/l	ND	12/23/05	BGL	20.0			
4-Chloroaniline	ug/l	ND	12/23/05	BGL	20.0			
4-Chloro-3-methylphenol	ug/l	ND	12/23/05	BGL	20.0			
2-Chloronaphthalene	ug/l	ND	12/23/05	BGL	10.0			
2-Chlorophenol	ug/l	ND	12/23/05	BGL	10.0			
4-Chlorophenylphenyl ether	ug/l	ND	12/23/05	BGL	10.0			
Chrysene	ug/l	ND	12/23/05	BGL	0.20			
Dibenzofuran	ug/l	ND	12/23/05	BGL	10.0			
Dibenz(a,h)anthracene	ug/l	ND	12/23/05	BGL	0.500			
1,2-Dichlorobenzene	ug/l	ND	12/23/05	BGL	5.00			
1,3-Dichlorobenzene	ug/l	ND	12/23/05	BGL	5.00			
1,4-Dichlorobenzene	ug/l	ND	12/23/05	BGL	5.00			
3,3-Dichlorobenzidine	ug/l	ND	12/23/05	BGL	10.0			
2,4-Dichlorophenol	ug/l	ND	12/23/05	BGL	10.0			

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LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005
FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Diethylphthalate	ug/l	ND	12/23/05	BGL	10.0			
2,4-Dimethylphenol	ug/l	ND	12/23/05	BGL	40.0			
Dimethylphthalate	ug/l	ND	12/23/05	BGL	20.0			
Di-n-butylphthalate	ug/l	ND	12/23/05	BGL	10.0			
Di-n-octylphthalate	ug/l	ND	12/23/05	BGL	20.0			
4,6-Dinitro-2-methylphenol	ug/l	ND	12/23/05	BGL	10.0			
2,4-Dinitrophenol	ug/l	ND	12/23/05	BGL	20.0			
2,4-Dinitrotoluene	ug/l	ND	12/23/05	BGL	10.0			
2,6-Dinitrotoluene	ug/l	ND	12/23/05	BGL	10.0			
1,2-Diphenylhydrazine (as Azobenzene)	ug/l	ND	12/23/05	BGL	10.0			
Fluoranthene	ug/l	ND	12/23/05	BGL	0.50			
Fluorene	ug/l	ND	12/23/05	BGL	1.00			
Hexachlorobenzene	ug/l	ND	12/23/05	BGL	0.05			
Hexachlorobutadiene	ug/l	ND	12/23/05	BGL	0.20			
Hexachlorocyclopentadiene	ug/l	ND	12/23/05	BGL	20.0			
Hexachloroethane	ug/l	ND	12/23/05	BGL	1.00			
Indeno(1,2,3-cd)pyrene	ug/l	ND	12/23/05	BGL	0.500			
Isophorone	ug/l	ND	12/23/05	BGL	10.0			
o-cresol	ug/l	ND	12/23/05	BGL	10.0			
m & p-Cresol(s)	ug/l	ND	12/23/05	BGL	20.0			
2-Methylnaphthalene	ug/l	ND	12/23/05	BGL	1.00			
Naphthalene	ug/l	ND	12/23/05	BGL	1.00			
2-Nitroaniline	ug/l	ND	12/23/05	BGL	10.0			
3-Nitroaniline	ug/l	ND	12/23/05	BGL	10.0			
4-Nitroaniline	ug/l	ND	12/23/05	BGL	10.0			
Nitrobenzene	ug/l	ND	12/23/05	BGL	10.0			
2-Nitrophenol	ug/l	ND	12/23/05	BGL	10.0			
4-Nitrophenol	ug/l	ND	12/23/05	BGL	20.0			
N-Nitrosodiphenylamine	ug/l	ND	12/23/05	BGL	10.0			

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FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
N-Nitroso-di-n-propylamine	ug/l	ND	12/23/05	BGL	10.0			
Pentachlorophenol	ug/l	ND	12/23/05	BGL	1.00			
Phenanthrene	ug/l	ND	12/23/05	BGL	0.10			
Phenol	ug/l	ND	12/23/05	BGL	10.0			
Pyrene	ug/l	ND	12/23/05	BGL	1.00			
Pyridine	ug/l	ND	12/23/05	BGL	5.0			
1,2,4-Trichlorobenzene	ug/l	ND	12/23/05	BGL	5.00			
2,4,5-Trichlorophenol	ug/l	ND	12/23/05	BGL	10.0			
2,4,6-Trichlorophenol	ug/l	ND	12/23/05	BGL	10.0			

Analytical Method:

SW846 8270

SAMPLES ARE EXTRACTED INTO METHYLENE CHLORIDE, FOLLOWED BY KUDERNA-DANISH OR TURBOVAP
 EVAPORATIVE CONCENTRATION AND QUANTITATED BY GC/MS TARGET COMPOUND ANALYSIS

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RICH CUSHING

CUSHING, JAMMALLO & WHEELER

180 STONE STREET

CLINTON, MA 01510

Purchase Order No.:

12/27/2005

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: *05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Silver	mg/l	ND	12/22/05	AMP	0.0005			

Analytical Method:

SM 3113 B AG

GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROSCOPY

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Arsenic	mg/l	0.0013	12/23/05	AMP	0.0005		

Analytical Method:

SM 3113 B AS

SAMPLES ARE DIGESTED WITH NITRIC ACID AND ANALYZED BY GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROPHOTOMETRY.

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P / F
						Lo	Hi	
Cadmium	mg/l	0.0009	12/21/05	KSH	0.0005			

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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Purchase Order No.:

Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: *05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/F
Total Residual Chlorine	mg/l	ND	12/19/05	MAB	0.02		

Analytical Method:

SM 4500-Cl G

COLORIMETRIC DETERMINATION OF CHLORINE WITH DPD REAGENT IN THE PRESENCE OF ACIDIC IODIDE.

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Purchase Order No.:

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: *05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Chromium (+6)	mg/l	ND	12/20/05	SBP	0.004		

Analytical Method:

SM 3500-Cr D

COLORIMETRIC DETERMINATION WITH ACIDIC S-DIPHENYLCARBAZIDE

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Purchase Order No.:

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo HI	P/ F
Chromium	mg/l	ND	12/21/05	KSH	0.004		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID : 05B49291

Sampled : 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Copper	mg/l	0.0025	12/21/05	KSH	0.0005		

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit Lo Hi	P/ F
Cyanide	mg/l	ND	12/23/05	VAK	0.010		

Analytical Method:

SM 4500 CN E

DISTILLATION FOLLOWED BY REACTION WITH CHLORAMINE-T/PYRIDINE-BARBITURIC ACID AND PHOSPHATE BUFFER.

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Iron	mg/l	0.88	12/21/05	KSH	0.02			

Analytical Method:

EPA 200.7/SW846 6010

SAMPLES ARE ANALYZED BY INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETRY (ICP).

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-84076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID : 05B49291

Sampled : 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Mercury	mg/l	ND	12/20/05	AMP	0.00004			

Analytical Method:

EPA 245.1/SW846 7470

COLD VAPOR TECHNIQUE (FLAMELESS ABSORPTION AT 254 NM)

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Project Location: 106 WATER ST, LEOMINSTER MA

LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Nickel	mg/l	0.004	12/21/05	KSH	0.002			

Analytical Method:

EPA 200.7/SW846 6010

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LIMS-BAT #: LIMS-94076

Date Received: 12/19/2005

Job Number: 5067

Field Sample #: PRE-TREAT INF-1

Sample ID: 05B49291

Sampled: 12/19/2005

FRAC TANK

Sample Matrix: WASTE WATER

	Units	Results	Date Analyzed	Analyst	RL	SPEC Limit		P/ F
						Lo	Hi	
Lead	mg/l	0.0014	12/22/05	AMP	0.0005			

Analytical Method:

SM 3113 B PB

GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROSCOPY

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