SEVERN TRENT STL®

STL Westfield
53 Southampton Road
Westfield, MA 01085

Tel: 413 572 4000 Fax: 413 572 3707
www.stl-inc.com

Jeff Thelen
Tighe and Bond, Inc.
53 Southampton Road
Westfield, MA 01085

RECEIVED
DEC 28 2005
TIGHE & BOND

12/22/2005

Report Number: 230691

Dear Jeff Thelen,

Project ID: A308-AMHERST LANDFIL

The analysis of your sample(s) submitted on 11/10/2005 is now complete and the appropriate analytical report is enclosed. The samples were prepared and analyzed according to established methodologies and protocols. All holding times were met for the methods performed on these samples, unless otherwise noted in the report's case narrative.

If you have any questions regarding this report, please contact your Project Manager, James Wickham.

For question, concerns or comments regarding our service, please do not hesitate to contact me directly. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL WESTFIELD

Technical Review: JC 12/22/05

Total number of pages in this report: 85

CASE NARRATIVE FOR REPORT NUMBER: 230691

Client Name : Tighe and Bond, Inc.

Project Name : A308-AMHERST LANDFILL

Date : 12/22/05

230691-(13-14) The Nitrate result is derived from the subtraction of the manually determined NO2 from a combined nitrate-nitrite (NOx) result that is determined by the Lachat automated flow injection method. The NOx was analyzed, within hold-time, from an acid preserved container.

SAMPLE INFORMATION
Date: 12/22/2005

Job Number.: 230691
Customer...: Tighe and Bond, Inc.
Attn.....: Jeff Thelen

Project Number.....: 20001831
Customer Project ID....: A308-AMHERST LANDFIL
Project Description....: A308-Amherst Landfill

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
230691-1	1-03	Water	11/10/2005	09:50	11/10/2005	18:25
230691-2	2-03	Water	11/10/2005	12:40	11/10/2005	18:25
230691-3	2-83	Water	11/10/2005	14:50	11/10/2005	18:25
230691-4	2-85	Water	11/10/2005	13:25	11/10/2005	18:25
230691-5	3-68	Water	11/10/2005	11:00	11/10/2005	18:25
230691-6	3-80	Water	11/10/2005	11:05	11/10/2005	18:25
230691-7	3-83	Water	11/10/2005	14:38	11/10/2005	18:25
230691-8	3-85	Water	11/10/2005	13:35	11/10/2005	18:25
230691-9	5-89	Water	11/10/2005	12:11	11/10/2005	18:25
230691-10	6-89	Water	11/10/2005	12:25	11/10/2005	18:25
230691-11	163 Wildflower Ave.	Water	11/10/2005	16:51	11/10/2005	18:25
230691-12	Trip Blank	Lab Water	11/09/2005	13:00	11/10/2005	18:25
230691-13	1-83	Water	11/11/2005	13:10	11/11/2005	14:45
230691-14	PGW-6	Water	11/11/2005	11:30	11/11/2005	14:45
230691-15	Trip Blank	Lab Water	11/11/2005	08:30	11/11/2005	14:45

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 1-03
Date Sampled.....: 11/10/2005
Time Sampled.....: 09:50
Sample Matrix.....: Water

Laboratory Sample ID: 230691-1
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	5.23		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	>1100		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	146.8		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	13.1		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	6.13		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	104		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	20.3		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	33		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	6.6		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	34		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	0.29		0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	130000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	670		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	2.1		1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	120		5.0	ug/L	11/29/05	cwb
	Copper (Cu)	160		10	ug/L	11/29/05	cwb
	Manganese (Mn)	2300		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	320		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	50	ug/L	11/22/05	cwb
	Lead (Pb)	100		5.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 1-03
Date Sampled.....: 11/10/2005
Time Sampled.....: 09:50
Sample Matrix.....: Water

Laboratory Sample ID: 230691-1
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 1-03
Date Sampled.....: 11/10/2005
Time Sampled.....: 09:50
Sample Matrix.....: Water

Laboratory Sample ID: 230691-1
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-03
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 230691-2
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	6.86		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	>1100		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	363.0		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	11.5		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	5.47		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	220		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	10.7		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	88		10	mg/L	12/01/05	rwe
EPA300.0 PartA	Sulfate	17		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	130		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	6.9		0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	88000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	640		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	1.2		1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	69		5.0	ug/L	11/29/05	cwb
	Copper (Cu)	98		10	ug/L	11/29/05	cwb
	Manganese (Mn)	1700		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	190		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	88		5.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-03
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 230691-2
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-03
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:40
Sample Matrix.....: Water

Laboratory Sample ID: 230691-2
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-83
Date Sampled.....: 11/10/2005
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 230691-3
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	1.77		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	61.6		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	98.60		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	7.9		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	7.18		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	72		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	45.6		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	7.5		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	19		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	46		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	74000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	87		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	ND	U	1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	ND	U	5.0	ug/L	11/29/05	cwb
	Copper (Cu)	ND	U	10	ug/L	11/29/05	cwb
	Manganese (Mn)	230		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	6800		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	ND	U	5.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-83
Date Sampled.....: 11/10/2005
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 230691-3
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-83
Date Sampled.....: 11/10/2005
Time Sampled.....: 14:50
Sample Matrix.....: Water

Laboratory Sample ID: 230691-3
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-85
Date Sampled.....: 11/10/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 230691-4
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	1.57		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	471		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	131.5		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	9.0		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	6.20		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	98		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	22.5		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	21		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	20		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	42		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	0.41		0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	140000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	160		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	1.8		1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	35		5.0	ug/L	11/29/05	cwb
	Copper (Cu)	76		10	ug/L	11/29/05	cwb
	Manganese (Mn)	1500		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	1100		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	110		5.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-85
Date Sampled.....: 11/10/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 230691-4
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 2-85
Date Sampled.....: 11/10/2005
Time Sampled.....: 13:25
Sample Matrix.....: Water

Laboratory Sample ID: 230691-4
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-68
Date Sampled.....: 11/10/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 230691-5
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	2.29		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	>1100		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	388.6		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	9.4		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	6.21		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	256		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	174		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	30		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	47		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	68		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	2.2		0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	700000		500	ug/L	12/19/05	rac
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	620		50	ug/L	12/13/05	rac
	Cadmium (Cd)	13		5.0	ug/L	12/13/05	rac
	Chromium (Cr)	6500		25	ug/L	12/19/05	rac
	Copper (Cu)	5500		50	ug/L	12/13/05	rac
	Manganese (Mn)	4500		50	ug/L	12/13/05	rac
	Silver (Ag)	ND	U	25	ug/L	12/13/05	rac
	Zinc (Zn)	32000		250	ug/L	12/13/05	rac
	Selenium (Se)	ND	U	50	ug/L	12/13/05	rac
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	1000		10	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-68
Date Sampled.....: 11/10/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 230691-5
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	0.95	J	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	0.61	J	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-68
Date Sampled.....: 11/10/2005
Time Sampled.....: 11:00
Sample Matrix.....: Water

Laboratory Sample ID: 230691-5
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-80
Date Sampled.....: 11/10/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 230691-6
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	1.48		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	117		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	358.2		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	10.1		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	6.53		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	196		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	135		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	34		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	3.7		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	ND	U	20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	52000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	800		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	ND	U	1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	ND	U	5.0	ug/L	11/29/05	cwb
	Copper (Cu)	ND	U	10	ug/L	11/29/05	cwb
	Manganese (Mn)	1300		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	450		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	6.3		1.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-80
Date Sampled.....: 11/10/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 230691-6
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	0.74	J	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	5.0		1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-80
Date Sampled.....: 11/10/2005
Time Sampled.....: 11:05
Sample Matrix.....: Water

Laboratory Sample ID: 230691-6
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-83
Date Sampled.....: 11/10/2005
Time Sampled.....: 14:38
Sample Matrix.....: Water

Laboratory Sample ID: 230691-7
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	1.16		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	6.49		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	121.6		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	9.2		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	7.87		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	84		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	67.6		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	15		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	5.3		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	65		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	2100000		2000	ug/L	12/14/05	rac
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	440		200	ug/L	12/14/05	rac
	Cadmium (Cd)	ND	U	20	ug/L	12/14/05	rac
	Chromium (Cr)	ND	U	100	ug/L	12/14/05	rac
	Copper (Cu)	ND	U	200	ug/L	12/14/05	rac
	Manganese (Mn)	3200		200	ug/L	12/14/05	rac
	Silver (Ag)	ND	U	100	ug/L	12/14/05	rac
	Zinc (Zn)	19000		1000	ug/L	12/14/05	rac
	Selenium (Se)	ND	U	200	ug/L	12/14/05	rac
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	4.8		1.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-83
Date Sampled.....: 11/10/2005
Time Sampled.....: 14:38
Sample Matrix.....: Water

Laboratory Sample ID: 230691-7
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	250	ug/L	11/17/05	caox
	Bromobenzene	ND	U	5.0	ug/L	11/17/05	caox
	Benzene	ND	U	5.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	5.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	5.0	ug/L	11/17/05	caox
	Bromoform	ND	U	5.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	10	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	50	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	5.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	5.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	5.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	10	ug/L	11/17/05	caox
	Chloroform	ND	U	5.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	10	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	5.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	5.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	5.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	5.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	25	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	5.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	5.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	5.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	5.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	5.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	2.5	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DEC/WSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-83
Date Sampled.....: 11/10/2005
Time Sampled.....: 14:38
Sample Matrix.....: Water

Laboratory Sample ID: 230691-7
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	2.5	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	5.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	5.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	50	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	3.0	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	50	ug/L	11/17/05	caox
	Methylene chloride	ND	U	10	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	5.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	25	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	5.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	5.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	5.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	Styrene	ND	U	5.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	5.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	5.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	5.0	ug/L	11/17/05	caox
	Toluene	ND	U	5.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	5.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	5.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	5.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	15	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	5.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	5.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-85
Date Sampled.....: 11/10/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 230691-8
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	6.87		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	247		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	182.2		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	9.1		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	6.16		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	140		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	26.6		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	34		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	11		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	24		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	3.4		0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	110000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	290		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	1.2		1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	30		5.0	ug/L	11/29/05	cwb
	Copper (Cu)	26		10	ug/L	11/29/05	cwb
	Manganese (Mn)	790		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	83		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	17		1.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-85
Date Sampled.....: 11/10/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 230691-8
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/22/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/22/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/22/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/22/05	jcs
	Endrin	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/22/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/22/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/22/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/22/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/22/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/22/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/22/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 3-85
Date Sampled.....: 11/10/2005
Time Sampled.....: 13:35
Sample Matrix.....: Water

Laboratory Sample ID: 230691-8
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 5-89
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:11
Sample Matrix.....: Water

Laboratory Sample ID: 230691-9
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	8.19		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	>1100		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	144.6		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	7.7		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	5.94		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	122		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	17.6		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	41		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	ND	U	2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	42		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	0.42		0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	110000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	800		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	1.5		1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	60		5.0	ug/L	11/29/05	cwb
	Copper (Cu)	110		10	ug/L	11/29/05	cwb
	Manganese (Mn)	1600		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	190		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	100		5.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/22/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/22/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 5-89
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:11
Sample Matrix.....: Water

Laboratory Sample ID: 230691-9
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 6-89
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:25
Sample Matrix.....: Water

Laboratory Sample ID: 230691-10
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	2.26		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	399		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	181.2		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	8.5		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	6.03		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	124		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	18.7		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	45		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	ND	U	2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	36		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	57000		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	360		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	2.1		1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	62		5.0	ug/L	11/29/05	cwb
	Copper (Cu)	59		10	ug/L	11/29/05	cwb
	Manganese (Mn)	2600		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	140		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	67		5.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/23/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/23/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/23/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 6-89
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:25
Sample Matrix.....: Water

Laboratory Sample ID: 230691-10
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/23/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/23/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/23/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/23/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/23/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/23/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/23/05	jcs
	Endrin	ND	U	0.10	ug/L	11/23/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/23/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/23/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/23/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/23/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/23/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/23/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/23/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/23/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 6-89
Date Sampled.....: 11/10/2005
Time Sampled.....: 12:25
Sample Matrix.....: Water

Laboratory Sample ID: 230691-10
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	0.69	J	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 163 Wildflower Ave.
Date Sampled.....: 11/10/2005
Time Sampled.....: 16:51
Sample Matrix.....: Water

Laboratory Sample ID: 230691-11
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	9.17		0.10	mg/L	11/10/05	ama
Field Sampling	Field Turbidity	6.72		0.10	NTU	11/10/05	ama
Field Sampling	Specific Conductance (Field)	76.00		0.05	umhos/cm	11/10/05	ama
Field Sampling	Temperature (Field)	10.1		0.1	degrees C	11/10/05	ama
Field Sampling	pH (Field)	9.80		1.00	pH Units	11/10/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	96		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	84.7		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	1.3		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	6.8		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	ND	U	20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/11/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	530		100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	ND	U	10	ug/L	11/29/05	cwb
	Cadmium (Cd)	ND	U	1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	ND	U	5.0	ug/L	11/29/05	cwb
	Copper (Cu)	160		10	ug/L	11/29/05	cwb
	Manganese (Mn)	17		10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	150		50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	15		10	ug/L	12/15/05	cwb
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 163 Wildflower Ave.
Date Sampled.....: 11/10/2005
Time Sampled.....: 16:51
Sample Matrix.....: Water

Laboratory Sample ID: 230691-11
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 163 Wildflower Ave.
Date Sampled.....: 11/10/2005
Time Sampled.....: 16:51
Sample Matrix.....: Water

Laboratory Sample ID: 230691-11
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: Trip Blank
Date Sampled.....: 11/09/2005
Time Sampled.....: 13:00
Sample Matrix.....: Lab Water

Laboratory Sample ID: 230691-12
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SW846 82608	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: Trip Blank
Date Sampled.....: 11/09/2005
Time Sampled.....: 13:00
Sample Matrix.....: Lab Water

Laboratory Sample ID: 230691-12
Date Received.....: 11/10/2005
Time Received.....: 18:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 1-83
Date Sampled.....: 11/11/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 230691-13
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	1.95		0.10	mg/L	11/11/05	ama
Field Sampling	Field Turbidity	2.22		0.10	NTU	11/11/05	ama
Field Sampling	Specific Conductance (Field)	79.10		0.05	umhos/cm	11/11/05	ama
Field Sampling	Temperature (Field)	9.4		0.1	degrees C	11/11/05	ama
Field Sampling	pH (Field)	9.82		1.00	pH Units	11/11/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	73		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	51.4		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	5.9		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	2.9		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	ND	U	20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	ND	U	0.050	mg/L	11/18/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	ND	U	100	ug/L	11/29/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	52		10	ug/L	11/29/05	cwb
	Cadmium (Cd)	ND	U	1.0	ug/L	11/29/05	cwb
	Chromium (Cr)	ND	U	5.0	ug/L	11/29/05	cwb
	Copper (Cu)	ND	U	10	ug/L	11/29/05	cwb
	Manganese (Mn)	ND	U	10	ug/L	11/29/05	cwb
	Silver (Ag)	ND	U	5.0	ug/L	11/29/05	cwb
	Zinc (Zn)	ND	U	50	ug/L	11/29/05	cwb
	Selenium (Se)	ND	U	10	ug/L	11/29/05	cwb
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	10	ug/L	11/22/05	cwb
	Lead (Pb)	ND	U	1.0	ug/L	11/22/05	cwb
SW846 8081A	Organochlorine Pesticide Analysis						
	alpha-BHC	ND	U	0.10	ug/L	11/23/05	jcs
	beta-BHC	ND	U	0.10	ug/L	11/23/05	jcs
	delta-BHC	ND	U	0.10	ug/L	11/23/05	jcs

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 1-83
Date Sampled.....: 11/11/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 230691-13
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	gamma-BHC (Lindane)	ND	U	0.10	ug/L	11/23/05	jcs
	Heptachlor	ND	U	0.10	ug/L	11/23/05	jcs
	Aldrin	ND	U	0.10	ug/L	11/23/05	jcs
	Heptachlor epoxide	ND	U	0.10	ug/L	11/23/05	jcs
	Endosulfan I	ND	U	0.10	ug/L	11/23/05	jcs
	Dieldrin	ND	U	0.10	ug/L	11/23/05	jcs
	4,4'-DDE	ND	U	0.10	ug/L	11/23/05	jcs
	Endrin	ND	U	0.10	ug/L	11/23/05	jcs
	Endosulfan II	ND	U	0.10	ug/L	11/23/05	jcs
	4,4'-DDD	ND	U	0.10	ug/L	11/23/05	jcs
	Endosulfan sulfate	ND	U	0.10	ug/L	11/23/05	jcs
	4,4'-DDT	ND	U	0.10	ug/L	11/23/05	jcs
	Methoxychlor	ND	U	0.10	ug/L	11/23/05	jcs
	Toxaphene	ND	U	5.0	ug/L	11/23/05	jcs
	Endrin aldehyde	ND	U	0.10	ug/L	11/23/05	jcs
	Chlordane, total	ND	U	0.50	ug/L	11/23/05	jcs
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: 1-83
Date Sampled.....: 11/11/2005
Time Sampled.....: 13:10
Sample Matrix.....: Water

Laboratory Sample ID: 230691-13
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: PGW-6
Date Sampled.....: 11/11/2005
Time Sampled.....: 11:30
Sample Matrix.....: Water

Laboratory Sample ID: 230691-14
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
Field Sampling	Dissolved Oxygen (Field)	1.85		0.10	mg/L	11/11/05	ama
Field Sampling	Field Turbidity	584		0.10	NTU	11/11/05	ama
Field Sampling	Specific Conductance (Field)	242.2		0.05	umhos/cm	11/11/05	ama
Field Sampling	Temperature (Field)	10.1		0.1	degrees C	11/11/05	ama
Field Sampling	pH (Field)	6.86		1.00	pH Units	11/11/05	ama
EPA 160.1	Solids, Total Dissolved (TDS)	157		10	mg/L	11/14/05	rwe
SM18 2320B	Alkalinity, Total as CaCO3	87.7		1.0	mg/L	11/18/05	kmm
EPA300.0 PartA	Chloride	31		1.0	mg/L	11/30/05	rwe
EPA300.0 PartA	Sulfate	14		2.0	mg/L	11/30/05	rwe
EPA 410.4	Chemical Oxygen Demand (COD)	120		20	mg/L	11/22/05	kmm
LAC 10-204001A	Cyanide, Total	ND	U	0.010	mg/L	11/15/05	kmm
LAC 10-107041A	Nitrate as N (NO3-N)	0.066		0.050	mg/L	11/18/05	kmm
SW846 7470A	Mercury (CVAA) Liquid Waste						
	Mercury (Hg)	ND	U	0.20	ug/L	11/16/05	cwb
SW846 6010B	Metals Analysis (ICP)						
	Iron (Fe)	2000000		1000	ug/L	12/19/05	rac
SW846 6010B	Metals Analysis (ICP)						
	Barium (Ba)	9500		100	ug/L	12/13/05	rac
	Cadmium (Cd)	28		10	ug/L	12/13/05	rac
	Chromium (Cr)	1300		50	ug/L	12/19/05	rac
	Copper (Cu)	1700		100	ug/L	12/13/05	rac
	Manganese (Mn)	39000		100	ug/L	12/13/05	rac
	Silver (Ag)	ND	U	50	ug/L	12/13/05	rac
	Zinc (Zn)	3900		500	ug/L	12/13/05	rac
	Selenium (Se)	ND	U	100	ug/L	12/13/05	rac
SW846 6020	Metals Analysis (ICP/MS)						
	Arsenic (As)	ND	U	200	ug/L	12/15/05	cwb
	Lead (Pb)	880		20	ug/L	12/15/05	cwb
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: PGW-6
Date Sampled.....: 11/11/2005
Time Sampled.....: 11:30
Sample Matrix.....: Water

Laboratory Sample ID: 230691-14
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: PGW-6
Date Sampled.....: 11/11/2005
Time Sampled.....: 11:30
Sample Matrix.....: Water

Laboratory Sample ID: 230691-14
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC						
		NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: Trip Blank
Date Sampled.....: 11/11/2005
Time Sampled.....: 08:30
Sample Matrix.....: Lab Water

Laboratory Sample ID: 230691-15
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
SW846 8260B	Volatile Organics						
	Acetone	ND	U	50	ug/L	11/17/05	caox
	Bromobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Benzene	ND	U	1.0	ug/L	11/17/05	caox
	Bromodichloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Bromoform	ND	U	1.0	ug/L	11/17/05	caox
	Bromomethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Butanone (MEK)	ND	U	10	ug/L	11/17/05	caox
	Carbon tetrachloride	ND	U	1.0	ug/L	11/17/05	caox
	Chlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromochloromethane	ND	U	1.0	ug/L	11/17/05	caox
	Chloroethane	ND	U	2.0	ug/L	11/17/05	caox
	Chloroform	ND	U	1.0	ug/L	11/17/05	caox
	Chloromethane	ND	U	2.0	ug/L	11/17/05	caox
	2-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	4-Chlorotoluene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	trans-1,2-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	Dibromomethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromo-3-chloropropane (DBCP)	ND	U	5.0	ug/L	11/17/05	caox
	1,2-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,4-Dichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,3-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	2,2-Dichloropropane	ND	U	1.0	ug/L	11/17/05	caox
	1,1-Dichloropropene	ND	U	1.0	ug/L	11/17/05	caox
	cis-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	trans-1,3-Dichloropropene	ND	U	0.50	ug/L	11/17/05	caox
	Ethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2-Dibromoethane (EDB)	ND	U	1.0	ug/L	11/17/05	caox
	Trichlorofluoromethane (Freon 11)	ND	U	1.0	ug/L	11/17/05	caox
	2-Hexanone (MNBK)	ND	U	10	ug/L	11/17/05	caox
	Hexachlorobutadiene	ND	U	0.60	ug/L	11/17/05	caox
	Isopropylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	4-Methyl-2-pentanone (MIBK)	ND	U	10	ug/L	11/17/05	caox
	Methylene chloride	ND	U	2.0	ug/L	11/17/05	caox
	Methyl-tert-butyl-ether (MTBE)	ND	U	1.0	ug/L	11/17/05	caox
	n-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	n-Propylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Naphthalene	ND	U	5.0	ug/L	11/17/05	caox
	m&p-Xylenes	ND	U	1.0	ug/L	11/17/05	caox
	p-Isopropyltoluene	ND	U	1.0	ug/L	11/17/05	caox
	o-Xylene	ND	U	1.0	ug/L	11/17/05	caox
	sec-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY TEST RESULTS

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Customer Sample ID: Trip Blank
Date Sampled.....: 11/11/2005
Time Sampled.....: 08:30
Sample Matrix.....: Lab Water

Laboratory Sample ID: 230691-15
Date Received.....: 11/11/2005
Time Received.....: 14:45

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	REPORTING LIMIT	UNITS	DATE	TECH
	Styrene	ND	U	1.0	ug/L	11/17/05	caox
	tert-Butylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Tetrachloroethene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2,2-Tetrachloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Toluene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,2,4-Trichlorobenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,1,1-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	1,1,2-Trichloroethane	ND	U	1.0	ug/L	11/17/05	caox
	Trichloroethene (TCE)	ND	U	1.0	ug/L	11/17/05	caox
	1,2,3-Trichloropropane	ND	U	3.0	ug/L	11/17/05	caox
	1,2,4-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	1,3,5-Trimethylbenzene	ND	U	1.0	ug/L	11/17/05	caox
	Vinyl chloride	ND	U	1.0	ug/L	11/17/05	caox
VOA TIC	Volatile TIC	NONE IDENTIFIED	J		ug/L	11/17/05	caox

* In Description = Dry Wgt.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY CHRONICLE

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Lab ID: 230691-1 Client ID: 1-03 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52505		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52631		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	0955	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1350	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	1919	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	1919	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1600	5
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2047	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52563		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1413	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1413	1

Lab ID: 230691-2 Client ID: 2-03 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52505		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52631		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1245	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
EPA300.0 PartA	Ion Chromatography Analysis	1	52992		12/01/2005	0000	10
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1355	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	1924	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	1924	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1449	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1603	5
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2108	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52563		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1440	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1440	1

Lab ID: 230691-3 Client ID: 2-83 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52505		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1455	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1400	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	1930	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

L A B O R A T O R Y C H R O N I C L E

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Lab ID: 230691-3 Client ID: 2-83 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	1930	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1458	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1607	5
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2130	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1508	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1508	1

Lab ID: 230691-4 Client ID: 2-85 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1330	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1405	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	1953	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	1953	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1502	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1610	5
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2151	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1535	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1535	1

Lab ID: 230691-5 Client ID: 3-68 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1105	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1410	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	53360	52467	12/13/2005	1329	5
SW846 6010B	Metals Analysis (ICP)	1	53531	52467	12/19/2005	1158	5
SW846 6010B	Metals Analysis (ICP)	1	53517	52467	12/19/2005	1233	5
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1505	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1616	10
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2213	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1602	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1602	1

Lab ID: 230691-6 Client ID: 3-80 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY CHRONICLE

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Lab ID: 230691-6 Client ID: 3-80 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1112	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1415	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	2005	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	2005	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1508	
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2234	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1630	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1630	1

Lab ID: 230691-7 Client ID: 3-83 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1445	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1420	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	53397		12/14/2005	1505	20
SW846 6010B	Metals Analysis (ICP)	1	53404		12/14/2005	1505	20
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1511	
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2256	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1657	5
VOA TIC	Volatile TIC	1	52482		11/17/2005	1657	5

Lab ID: 230691-8 Client ID: 3-85 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1340	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1425	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	2016	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	2016	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1515	
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY CHRONICLE

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Lab ID: 230691-8 Client ID: 3-85 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2317	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1725	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1725	1

Lab ID: 230691-9 Client ID: 5-89 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1215	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1430	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	2022	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	2022	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1518	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1620	5
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/22/2005	2339	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1752	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1752	1

Lab ID: 230691-10 Client ID: 6-89 Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1235	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1435	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	2028	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	2028	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1521	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1623	5
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/23/2005	0000	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1820	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1820	1

Lab ID: 230691-11 Client ID: 163 Wildflower Ave. Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY CHRONICLE

Job Number: 230691 Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Lab ID: 230691-11 Client ID: 163 Wildflower Ave. Date Recvd: 11/10/2005 Sample Date: 11/10/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/10/2005	1655	
EPA300.0 PartA	Ion Chromatography Analysis	1	52990		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1315	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	1856	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	1856	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1524	
SW846 6020	Metals Analysis (ICP/MS)	1	53446	52554	12/15/2005	1329	10
LAC 10-107041A	Nitrate Nitrogen as N	1	52517		11/11/2005	1121	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1847	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1847	1

Lab ID: 230691-12 Client ID: Trip Blank Date Recvd: 11/10/2005 Sample Date: 11/09/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1915	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1915	1

Lab ID: 230691-13 Client ID: 1-83 Date Recvd: 11/11/2005 Sample Date: 11/11/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
SW846 3510C	Extraction Sep. Funnel (Chlor.Pest)	1	52459		11/17/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/11/2005	1315	
EPA300.0 PartA	Ion Chromatography Analysis	1	52992		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1440	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	52825	52467	11/29/2005	2033	
SW846 6010B	Metals Analysis (ICP)	1	52826	52467	11/29/2005	2033	
SW846 6020	Metals Analysis (ICP/MS)	1	52777	52554	11/22/2005	1528	
LAC 10-107041A	Nitrate Nitrogen as N	1	52514		11/18/2005	0910	
SW846 8081A	Organochlorine Pesticide Analysis	1	52649	52459	11/23/2005	0022	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	1942	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	1942	1

Lab ID: 230691-14 Client ID: PGW-6 Date Recvd: 11/11/2005 Sample Date: 11/11/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3020A	Acid Digestion (ICP/MS Aqueous)	1	52554		11/21/2005	0000	
3010A	Acid Digestion, Total (ICP)	1	52467		11/18/2005	0000	
SM18 2320B	Alkalinity	1	52506		11/18/2005	0000	
EPA 410.4	Chemical Oxygen Demand	1	52632		11/22/2005	0000	
LAC 10-204001A	Cyanide	1	52360		11/15/2005	0000	
Field Sampling	Field Sampling Parameters	1	53066		11/11/2005	1139	
EPA300.0 PartA	Ion Chromatography Analysis	1	52992		11/30/2005	0000	
SW846 7470A	Mercury (CVAA) Aqueous Preparation	1	52328		11/15/2005	1445	
SW846 7470A	Mercury (CVAA) Liquid Waste	1	52621	52328	11/16/2005		
SW846 6010B	Metals Analysis (ICP)	1	53360	52467	12/13/2005	1343	10
SW846 6010B	Metals Analysis (ICP)	1	53531	52467	12/19/2005	1201	10
SW846 6010B	Metals Analysis (ICP)	1	53517	52467	12/19/2005	1240	10
SW846 6020	Metals Analysis (ICP/MS)	1	53446	52554	12/15/2005	1339	20

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

LABORATORY CHRONICLE

Job Number: 230691

Date: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Lab ID: 230691-14 Client ID: PGW-6 Date Recvd: 11/11/2005 Sample Date: 11/11/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
LAC 10-107041A	Nitrate Nitrogen as N	1	52514		11/18/2005	0910	
EPA 160.1	Solids, Total Dissolved (TDS)	1	52564		11/14/2005	0000	
SW846 8260B	Volatile Organics	1	52483		11/17/2005	2009	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	2009	1

Lab ID: 230691-15 Client ID: Trip Blank Date Recvd: 11/11/2005 Sample Date: 11/11/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 8260B	Volatile Organics	1	52483		11/17/2005	2037	1
VOA TIC	Volatile TIC	1	52482		11/17/2005	2037	1

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

ACCREDITED IN ACCORDANCE WITH nelac

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

SURROGATE RECOVERIES REPORT

Job Number.: 230691

Report Date.: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Method.....: Organochlorine Pesticide Analysis
Batch(s).....: 52649

Method Code...: 8081
Test Matrix...: Water

Prep Batch....: 52459
Equipment Code:

Lab ID	DT	Sample ID	Date	DCB	TCX
LCD			11/22/2005	81.4	88.1
LCS			11/22/2005	90.2	100.1
MB			11/22/2005	87.0	69.2
230691- 1		1-03	11/22/2005	71.8	84.9
230691- 2		2-03	11/22/2005	65.6	80.9
230691- 3		2-83	11/22/2005	69.3	52.5
230691- 4		2-85	11/22/2005	61.3	85.2
230691- 5		3-68	11/22/2005	80.8	68.3
230691- 6		3-80	11/22/2005	72.2	82.8
230691- 7		3-83	11/22/2005	88.2	98.7
230691- 8		3-85	11/22/2005	76.7	82.6
230691- 9		5-89	11/22/2005	79.4	87.2
230691- 10		6-89	11/23/2005	89.4	98.6
230691- 13		1-83	11/23/2005	68.8	81.0

Test	Test Description	Limits
DCB	Decachlorobiphenyl (surr)	30.0 - 150.
TCX	Tetrachloro-m-xylene (surr)	30.0 - 150.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

SURROGATE RECOVERIES REPORT

Job Number.: 230691 Report Date.: 12/22/2005

CUSTOMER: Tighe and Bond, Inc. PROJECT: A308-AMHERST LANDFIL ATTN: Jeff Thelen

Method.....: Volatile Organics
Batch(s).....: 52483

Method Code...: 8260
Test Matrix...: Water

Prep Batch....:
Equipment Code: VHPMS1

Lab ID	DT	Sample ID	Date	12DCED	BRFLBE	DBRFLM	TOLD8
LCD			11/17/2005	86.1	95.4	96.0	103.2
LCS			11/17/2005	85.3	94.7	95.7	104.2
MB			11/17/2005	89.1	94.2	100.0	101.2
230691- 1		1-03	11/17/2005	88.4	93.4	99.5	103.3
230691- 2		2-03	11/17/2005	90.7	94.7	101.5	102.3
230691- 3		2-83	11/17/2005	90.1	94.0	101.3	102.7
230691- 4		2-85	11/17/2005	92.1	100.6	111.0	117.3
230691- 5		3-68	11/17/2005	92.7	100.8	112.0	118.0
230691- 6		3-80	11/17/2005	92.2	99.5	110.7	117.0
230691- 7		3-83	11/17/2005	92.0	100.0	112.0	116.1
230691- 8		3-85	11/17/2005	92.8	99.2	109.1	117.8
230691- 9		5-89	11/17/2005	93.3	99.5	111.5	118.2
230691- 10		6-89	11/17/2005	94.8	102.5	113.2	118.7
230691- 11		163 Wildflower Ave.	11/17/2005	92.5	100.2	109.0	118.2
230691- 12		Trip Blank	11/17/2005	91.1	99.3	108.3	118.7
230691- 13		1-83	11/17/2005	92.0	98.5	109.5	120.7
230691- 14		PGW-6	11/17/2005	93.2	100.6	110.5	117.0
230691- 15		Trip Blank	11/17/2005	92.4	100.5	109.8	119.0

Test	Test Description	Limits
12DCED	1,2-Dichloroethane-d4 (surr)	70.0 - 130.
BRFLBE	4-Bromofluorobenzene (surr)	70.0 - 130.
DBRFLM	Dibromofluoromethane (surr)	70.0 - 130.
TOLD8	Toluene-d8 (surr)	70.0 - 130.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

STL WESTFIELD is part of Severn Trent Laboratories, Inc. Visit us at www.stl-inc.com.

LABORATORY CERTIFICATIONS:

MADEP MA014, NY NELAC 10843, NJ NELAC MA008 (TOX), FL NELAC E87912 (TOX), CT DPH 0494, NY DOH 10843, NH DES 253901-A, VT DECWSD, RI DOH 57.

LOCATION:

STL Westfield: 53 Southampton Rd, Westfield, MA 01085. Phone: (413) 572-4000 Fax: (413) 572-3707

STL Service Center: 148 Rangeway Rd. N. Billerica, MA 01862. Phone: (978) 667-1400 Fax: (978) 667-7871

DATA REPORTING QUALIFIERS AND TERMINOLOGY:

A number of data qualifiers are widely used within the environmental testing industry and may be utilized in our data reports. The majority of the qualifiers have evolved from the EPA Contract Laboratory Program (CLP).

REPORT COMMENTS:

All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Soil, sediment and sludge sample results are reported on a "dry weight" basis.

Reporting limits are adjusted for sample size used, dilutions and moisture content, if applicable.

The test results for the noted analytical method(s) meet the requirements of NELAC. Lab Cert.ID# 10843.

According to 40CFR Part 136.3, pH, Total Residual Chlorine and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field analyses, they were not analyzed immediately, but as soon as possible on laboratory receipt.

Analytical result(s) reported as "ND" and/or "U", indicates the analyte was analyzed for but "Not Detected."
Analytical result(s) reported as "TNTC" indicates that the microbiological test was "Too Numerous To Count."

GLOSSARY OF QUALIFIERS:

Inorganic Qualifiers (Q-column):

U Indicates that the analyte was analyzed for but not detected.
E Indicates an estimated value due to the presence of interference. When applied to GFAA analysis, indicates the one-point method of addition recovered between 40-85 percent.
B Indicates an estimated result value. The result was measured between the reporting limit and the method detection limit (MDL).
H Indicates the compound/element was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination.

Organic Qualifiers (Q-column):

U Indicates that the compound was analyzed for but not detected.
J Indicates an estimated result value. This qualifier is used when mass spectral data indicated the presence of a compound that meets the identification criteria and the result is less than the specified quantitation limit, but greater than the method detection limit (MDL).
B Indicates that the compound was found in both the sample and its associated laboratory blank. Indicates possible/probable blank contamination and warns the data user to exercise caution when applying the results to this compound.
D Indicates all compounds identified in an analysis at a secondary dilution factor.
E Indicates that the compound in an analysis has exceeded the instrument linear calibration range.

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

GLOSSARY OF TERMS:

Surrogates (Surrogate Standards): An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but are not normally found in environmental samples. For semi-volatiles and pesticides/Arochlors, surrogate compounds are added to every blank, sample, matrix spike, matrix spiked duplicate, matrix spike blank (LCS), and standard. These compounds are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Internal Standard: An organic compound, which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank (LCS), and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Matrix Spike (MS): An aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for matrix interference by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Laboratory Control Sample (LCS): An aliquot of analyte-free reagent water or sand fortifed (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method efficiency.

Blank: An artificial sample of analyte-free water or solvent, designed to monitor the introduction of contaminates into the analytical process.

Method Dectection Limit (MDL): The minimum concentration of an analyte or compound that can be measured and reported with 99% confidence that the result concentration is greater than zero.

Petroleum Hydrocarbon Comments:

The following comments are specific to Diesel Range Organics (DRO), by GC/FID:

Results for DRO are based on chromatographable portions of the petroleum product. The Carbon Range refers to the approximate chromatographic region covered by the specified petroleum product in straight-chain carbon units between C9-C36.

Quantitation is based on the average response factors for a series of hydrocarbons standards. The sample result from the DRO fraction is independent of the target compound assignment.

Samples yielding chromatographic patterns that do not agree with any of the method targets are reported as "unmatched".

SEVERN TRENT STL

MADEP MA014
RIDOH57
CTDPH 0494
VT DECWSD
NH DES 253903-A

NELAP FL E87912 TOX
NELAP NJ MA008 TOX
NELAP NY 10843
NY DOH 10843

STL Westfield
53 Southampton Rd.
Westfield, MA 01085
Tel: (413) 572-4000
Fax: (413) 572-3707

STL Billerica-Service Center
148 Rangeway Rd.
N. Billerica, MA 01862
Tel: (978) 667-1400
Fax: (978) 667-7871

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 230691 Location.: 57345 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 11/11/2005
Project Number.: 20001831 Project Description.: A308-Amherst Landfill Project Manager.....: jtw
Customer.....: Tighe and Bond, Inc. Contact.: Jeff Thelen

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?.....	Y	
...If "yes", completed properly?.....	Y	
Custody seal on shipping container?.....	N	
...If "yes", custody seal intact?.....		
Custody seals on sample containers?.....	N	
...If "yes", custody seal intact?.....		
Samples iced?.....	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	Y	
...Temperature at receipt_____.....		2.8 C/3.4 C
Samples received intact (good condition)?.....	Y	
Volatile samples acceptable? (no headspace).....	Y	
Is a Trip Blank required?.....	Y	
Was a Trip Blank provided?.....	Y	
Correct containers used?.....	Y	
Adequate sample volume provided?.....	Y	
Samples preserved correctly?.....	Y	
Samples received within holding-time?.....	Y	
Agreement between COC and sample labels?.....	Y	
Comments.....		stl pickup
If samples were shipped was there an air bill #?..		
Sample Custodian Signature/Date.....		kar 11102005 KAR 11/10/05

This is Page 1(A)

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 230691 Location.: 57345 Check List Number.: 2 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 11/11/2005
Project Number.: 20001831 Project Description.: A308-Amherst Landfill Project Manager.....: jtw
Customer.....: Tighe and Bond, Inc. Contact.: Jeff Thelen

Questions ?	(Y/N)	Comments
Chain-of-Custody Present?.....	Y	
...If "yes", completed properly?.....	Y	
Custody seal on shipping container?.....	N	
...If "yes", custody seal intact?.....		
Custody seals on sample containers?.....	N	
...If "yes", custody seal intact?.....		
Samples iced?.....	Y	
Temperature of cooler acceptable? (4 deg C +/- 2).	N	
...Temperature at receipt_____.....		8.4 C
Samples received intact (good condition)?.....	Y	
Volatile samples acceptable? (no headspace).....	Y	
Is a Trip Blank required?.....	Y	
Was a Trip Blank provided?.....	Y	
Correct containers used?.....	Y	
Adequate sample volume provided?.....	Y	
Samples preserved correctly?.....	Y	
Samples received within holding-time?.....	Y	
Agreement between COC and sample labels?.....	Y	
Comments.....		stl pickup
If samples were shipped was there an air bill #?..		
Sample Custodian Signature/Date.....		kar 11112005 KAR 11/11/05

This is Page 1(A)

SAMPLE COLLECTION DATA GROUND WATER

230691-1

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308-6-50

Sampling Location: Old Amherst LF

Contact: JJT

Collected By: AM/SS

Well No.: i-03

Date: 11/10/05

Time Collected: 0950

Weather: P. cloudy 40°F

Water Table

Diameter of Well: 2"

Well Depth (from top of PVC standpipe): 17.51'

Depth of Water Table (from top of PVC standpipe): 5.88'

Length of Water Column: 11.63' feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 5.9313 Volume Purged 6 gallons

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer YES NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
6 gallons	6.13	146.8	13.1°C	5.23	>1100	0955

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
pl. 1 liter	1	4.0°	See page 22 for	–
500ml pl	1	HNO_3	analysis	<2
250ml pl.	1	H_2SO_4		<2
250ml pl.	1	NAOH		>12
40ml vial	4	HCl		<2
Amber liter	2	4.0°		–

If sample was taken for dissolved metals, were these samples field filtered? NA

Date: – Time: – By: – Filter Pore Size & Type: –

General Notes:

See page 22 for calibrations

PVC to groundwater: 5.88'
Casing to groundwater: 6.27'
Ground to groundwater: 3.43'

STL-WESTFIELD

O:/dcontrol/lab benchsheets/Field Services/gwsampl.xls/Template

SAMPLE COLLECTION DATA GROUND WATER

230691-2

Client: Tighe & Bond, Inc.
Westfield, MA 01085
Contact: JJT
Collected By: amss
Job Number: A-308-6-50
Sampling Location: Old Amherst LF
Well No.: 2-03
Date: 11/10/05
Time Collected: 1240
Weather: cloudy 40's, windy

Water Table

Diameter of Well: 2"
Well Depth (from top of PVC standpipe): ~~21.00'~~ 20.10'
Depth of Water Table (from top of PVC standpipe): 9.48'
Length of Water Column: 10.62 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 5.9162 Volume Purged 6 gallons

Purging Method: (please check)
Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:
Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO
If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
6 gallons	5.47	363.0	11.5	6.86	>1100	1245

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	see pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

DTC to GW: 9.48'
Casing to GW: 21.30
Ground to GW: 7.28'

SAMPLE COLLECTION DATA GROUND WATER 230691-3

Client: Tighe & Bond, Inc.
Westfield, MA 01085
Contact: JJT
Collected By: SS/AM
Date: 11/10/05
Weather cloudy 40's, windy

Job Number: A300
Sampling Location: Old Amherst LF
Well No.: 2-83
Time Collected: 1450

Water Table

Diameter of Well 2"
Well Depth (from top of PVC standpipe) 97.70
Depth of Water Table (from top of PVC standpipe) 0.00
Length of Water Column 97.70 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 49.8270 Volume Purged 49.8 gal

Purging Method: (please check)
Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:
Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer YES NO
If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	TURB NTU	Time Analyzed
49.8 gal	7.18	98.6	7.9	1.77	61.6	1455

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	See pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C	✓	—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib

Standpipe - 0.1' above ground

* No PVC pipe
- water level equal to top of standpipe

SAMPLE COLLECTION DATA GROUND WATER 230691-4

Client: Tighe & Bond, Inc.
Westfield, MA 01085
Contact: JJT
Collected By: SS/AM
Date: 11/10/05
Weather: cloudy 40's, windy

Job Number: A308-6-50
Sampling Location: Old Amherst LF
Well No.: 2-85
Time Collected: 1325

Water Table

Diameter of Well: 2"
Well Depth (from top of PVC standpipe): 40.00'
Depth of Water Table (from top of PVC standpipe): 13.90'
Length of Water Column: 27.10' feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 13.80 12 Volume Purged 14.50 gallons

Purging Method: (please check)
Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:
Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO
If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
19.50 gallons	6.20	131.5	9.0	1.57	471	1330

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	see pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250 ml P	1	NaOH 1ml		7/2
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

Casing to GW: 40.00'
Ground to GW: 39.30'
Cannot measure to PVC. Too deep

STL-WESTFIELD

O:/dcontrol/lab benchsheets/Field Services/gwsampl.xls/Template

SAMPLE COLLECTION DATA GROUND WATER 230691-5

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A-308-6-50
Sampling Location: Old Amherst LF

Contact: JJT
Collected By: SS/Am
Date: 11/10/05

Well No.: 3-68
Time Collected: 1100

Weather cloudy 40's, windy

Water Table

Diameter of Well 2"
Well Depth (from top of PVC standpipe) 39.20
Depth of Water Table (from top of PVC standpipe) 4.48
Length of Water Column 34.72 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 17.7072 Volume Purged 17.7gal

Purging Method: (please check)
Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:
Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO
If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	TURB NTU	Time Analyzed
17.7gal	6.21	388.6	9.4	2.29	~~SS NTU~~ >1100	1105

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	see pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

Standpipe ~ 3" ~~from~~ ss above ground

-no PVC pipe

Ground to Groundwater - 4.18'
Casing to GW - 4.48'

SAMPLE COLLECTION DATA GROUND WATER

230691-6

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308-6-50
Sampling Location: Old Amherst LF

Contact: JTT
Collected By: SS/BM

Well No.: 3-8D

Date: 11/10/05

Time Collected: 1105

Weather cloudy 40's, windy

Water Table

Diameter of Well 2"
Well Depth (from top of PVC standpipe) 109.02
Depth of Water Table (from top of PVC standpipe) 5.55
Length of Water Column 103.47 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 52.7697 Volume Purged 52.7gal

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer YES NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
52.7gal	6.53	358.2	10.1	1.48	117	1112

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	see pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

SS ~~NO~~ PVC pipe cannot be seen

- well casing - 1½' above ground

Ground - Groundwater - 4.05'
Casing - Groundwater - 5.55'

SAMPLE COLLECTION DATA GROUND WATER 230694-7

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308
Sampling Location: Old Amherst LF

Contact: JJT

Collected By: SS/AM

Well No.: 3-83

Date: 11/10/05

Time Collected: 1438

Weather: cloudy, 40's windy

Water Table

Diameter of Well: 2"

Well Depth (from top of PVC standpipe): 85.75'

Depth of Water Table (from top of PVC standpipe): 0.00'

Length of Water Column: 85.75' feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 43.7325 Volume Purged 43.7gal

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
43.7gal	7.87	121.6	9.2	1.16	6.49	1445

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	See pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib

* No PVC pipe
- standpipe 6" above ground
- water level was equal to top of well casing

SAMPLE COLLECTION DATA GROUND WATER 2306948

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308
Sampling Location: Old Amherst LF

Contact: JJT

Collected By: SS/AM

Well No.: 3-85

Date: 11/10/05

Time Collected: 1335

Weather: cloudy, 40's, windy

Water Table

Diameter of Well: 2"

Well Depth (from top of PVC standpipe): 44.90

Depth of Water Table (from top of PVC standpipe): .60

Length of Water Column: 44.30 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 22.5930 Volume Purged 22.6 gal

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer YES NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	TURB NTU	Time Analyzed
22.6gal	6.16	182.2	9.1	6.87	247	1340

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	see pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

Standpipe - Groundwater - 0.6'
* Ground - Groundwater - -0.6'

* Groundwater is 0.6' above ground in standpipe

SAMPLE COLLECTION DATA GROUND WATER

230694-9

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308-6-50

Sampling Location: Old Amherst LF

Contact: JJT

Collected By: SS/AM

Well No.: 5-89

Date: 11/10/05

Time Collected: 1211

Weather: cloudy, ~~40's~~ 40's, windy

Water Table

Diameter of Well: 2"

Well Depth (from top of PVC standpipe): 71.20

Depth of Water Table (from top of PVC standpipe): 63.95

Length of Water Column: 7.25 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 3.6975 Volume Purged 3.7 gal

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer YES NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	TURB NTU	Time Analyzed
3.7 gal	5.94	144.6	7.7	8.19	>1100	1215

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	see pg 22	—
500ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

PVC - Groundwate - 63.95'
Casing to Groundwater - ~~68.95'~~ ss 64.55'
Ground to Groundwater - ~~66.95'~~ ss 64.25'

SAMPLE COLLECTION DATA GROUND WATER

28062(-10

Client: Tighe & Bond, Inc.
Westfield, MA 01085
Contact: JJT
Collected By: SS/AM
Date: 11/10/05

Job Number: A308-6-50
Sampling Location: Old Amherst LF
Well No.: 6-89
Time Collected: 1225

Weather cloudy 40's, windy

Water Table

Diameter of Well 2"
Well Depth (from top of PVC standpipe) 108.25
Depth of Water Table (from top of PVC standpipe) 43.49
Length of Water Column 64.76 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 33.0276 Volume Purged 33 gallons

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
33 gallons	6.03	181.2	8.5	2.26	399	1235

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	See pg 22	—
500 ml P	1	HNO_3 2ml		<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2
L AG	2	4°C		—

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes: see pg 22 for calib.

PVC - Groundwater - 43.49'
Casing - Groundwater - 44.79'
Ground - Groundwater - 42.64'

STL-WESTFIELD

O:/dcontrol/lab benchsheets/Field Services/gwsampl.xls/Template

SAMPLE COLLECTION DATA - WASTE WATER/DRINKING WATER/ GROUND WATER - GRABS

230628-11

Client: Tighe + Bond
Westfield, MA 01085

Job No.: A30B-6-50
Sampling Location: Old Amherst LF

Contact: JJT
Collected By: SS/AM

Sample ID: 163 Wildflower Ave
Well No.:

Date: 11/10/05
Time Collected: 1651

Weather cloudy 30's

SamplingType: Waste Water: ____ Drinking Water: ~~x~~ SS Well Water x Groundwater: ____

Sampling Method: Surface ____ Bailer ____ Bottle: x Other: ____ (please check)

SAMPLE COLLECTION & FIELD DATA

pH	Dissolved Oxygen mg/L	Specific Conductance µmhos/cm @25°C	Temperature °C	Residual Chlorine mg/L	Sulfides	TURB NTU	Time Analyzed
9.80	9.17	76.0	10.1	—	—	6.72	1655

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type / Amount	Analysis Required	Field pH
L P	1	4°C	Alk, NO_3-N, TDS, Cl, SO_4	—
500ml P	1	HNO_3 2ml	T. Metals	<2
250ml P	1	H_2SO_4 1ml	COD	<2
250ml P.	1	NaOH 1ml	T. CN	>12
40ml vial	4	HCl 0.5ml	VOA 8260	<2

If sample was taken for dissolved metals, were these samples field filtered? N/A

Filter Pore Size & Type: ____

Date: ____ Time: ____ By: ____

General Notes:

see pg 22 of GW book for calib.

SAMPLE COLLECTION DATA GROUND WATER 230691-13

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308
Sampling Location: Amherst LF

Contact: JJT
Collected By: AM/SS

Well No.: 1-83
Date: 11/4/05
Time Collected: 1310

Weather Sunny 40°F

Water Table

Diameter of Well ~~2"~~ 4" *
Well Depth (from top of PVC standpipe)
Depth of Water Table (from top of PVC standpipe)
Length of Water Column feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = Volume Purged *

Purging Method: (please check)
Submersible pump Teflon Bailer ✓ Other (explain)

Sampling Method:
Type of Bailer: Teflon ✓ ID# Other (explain) Dedicated Bailer YES NO
If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	TURB	Time Analyzed
*	9.82	79.1	9.4	1.95	2.22	1315

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
pl. Liter	1	4.0°	Alk, NO3, TDS, Cl, SO4	
500ml pl	1	HNO3	T, As, Ba, Cd, Cr, Cu, Fe, Mg, Pb, Hg, Se, Zn, K	<2
250ml pl.	1	H2SO4	COD	<2
250ml pl.	1	NAOH	T.C.N	>12
40ml vial	4	HCL	VOA 826D	<2
Amber Liter	2	4.0°C	8081 Pesticides	–

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: – Time: – By: – Filter Pore Size & Type: –

General Notes: Hach pH meter calibrated 4.0/7.0/10.0 w/buffers
YSI 85 calibrated to 96.5 % @ 1000' for D.O.
" " " to 1413 µmhos/cm for Spec. Cond.
Lamotte 2020 calibrated for turb.

* Artesian well

235691-14

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308-6-50

Sampling Location: Old Amherst LF

Contact: JJT

Collected By: SS/AM

Well No.: PGW-6

Date: 11/11/05

Time Collected: 1130

Weather Sunny 40's

Water Table

Diameter of Well 2"

Well Depth (from top of PVC standpipe) 87.60

Depth of Water Table (from top of PVC standpipe) 80.72

Length of Water Column 6.88 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 3.5088 Volume Purged 3.5 gallons

Purging Method: (please check)

Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:

Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO

If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	TURB NTU	Time Analyzed
3.5 gallons	6.86	242.2	10.1	1.85	584	1139

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
L P	1	4°C	See pg 22	—
500ml P	1	HNO_3 2ml	↓	<2
250ml P	1	H_2SO_4 1ml		<2
250ml P	1	NaOH 1ml		>12
40ml vial	4	HCl 0.5ml		<2

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes:

PVC - Groundwater - 80.72'
Casing - GW - 81.02'
Ground - GW - 78.17'

P GW-2	PVC-GW	-37.75'
	Casing-GW	-37.95'
	Ground-GW	-34.95'
PGW-1	PVC-GW	-38.47'
	Casing-GW	-38.67'
	Ground-GW	-35.67'
PGW-4	PVC-GW	-8.59'
	Casing-GW	-8.79'
	Ground-GW	-5.79'
PGW-5	PVC-GW	-43.44'
	Casing-GW	-43.59'
	Ground-GW	-40.39'
PGW-7	PVC-GW	52.60'
	Casing-GW	52.85'
	Ground-GW	49.80'
PGW-3	PVC-GW	28.01'
	Casing-GW	28.17'
	Ground-GW	24.98'

Chain of Custody Form

SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 236691 Quote# PO#

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C		Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
1-03	GW	SS	11/10/05 0950	X										X												1
1-03	GW	SS	11/10/05 0950	X		1	P							X										2		
1-03	GW	SS	11/10/05 0950	X		1	P			X														3		
1-03	GW	SS	11/10/05 0950	X		1	P					X														4
1-03	GW	SS	11/10/05 0950	X		1	P		X														5			
1-03	GW	SS	11/10/05 0950	X		4	G				X					6										
1-03	GW	SS	11/10/05 0950	X		2	G							X				7								
Trip Blank	LW	AM	11/9/05 1300	X		2	G				X					6										
		11/10/05																				WAW				

Sampled by (print): Scott Sadowski
Signature: Scott Sadowski

Relinquished by: [signature] Date: 11/10/05 Time: 1825
Received by: WAW Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler #: 14/ice
Temp @ receipt: 2.8/3.4
Preservation/pH checked
By: WAW Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 230691 Quote# PO#

Shaded areas for office use

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
2-03	GW	SS	11/10/05 1240	X										X												1
2-03	GW	SS	11/10/05 1240	X		1	P							X										2		
2-03	GW	SS	11/10/05 1240	X		1	P			X														3		
2-03	GW	SS	11/10/05 1240	X		1	P					X														4
2-03	GW	SS	11/10/05 1240	X		1	P		X														5			
2-03	GW	SS	11/10/05 1240	X		4	G				X					6										
2-03	GW	SS	11/10/05 1240	X		2	G							X				7								
			11/10/05																							

Sampled by (print): Scott Sadowski
Signature: Scott Sadowski

Relinquished by: [signature] Date: 11/10/05 Time: 1825
Received by: [signature] Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler# 10/12 LE
Temp @ receipt 2.8/3.4
Preservation/pH checked
By: [signature] Date: 11/10/05

Chain of Custody Form

SERVICES

(P) 413-572-4000 (F) 413-572-3707 | (P) 978-667-1400 (F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 230691 | Quote# | PO#

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
2-83	GW	SS	11/10/05 1450	X										X												1
2-83	GW	SS	11/10/05 1450	X		1	P							X										2		
2-83	GW	SS	11/10/05 1450	X		1	P			X														3		
2-83	GW	SS	11/10/05 1450	X		1	P					X														4
2-83	GW	SS	11/10/05 1450	X		1	P		X														5			
2-83	GW	SS	11/10/05 1450	X		4	G				X					6										
2-83	GW	SS	11/10/05 1450	X		2	G							X				7								
			11/10/05																							

Sampled by (print): Scott Sadowski
Signature:

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler # W/LC
Temp @ receipt 2.8/3.4
Preservation/pH checked
By: KAM Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 23061 Quote# PO#

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
2-85	GW	AM	11/10/05 1325	X										X												1
2-85	GW	AM	11/10/05 1325	X		1	P							X										2		
2-85	GW	AM	11/10/05 1325	X		1	P			X														3		
2-85	GW	AM	11/10/05 1325	X		1	P					X														4
2-85	GW	AM	11/10/05 1325	X		1	P		X														5			
2-85	GW	AM	11/10/05 1325	X		4	G				X					6										
2-85	GW	AM	11/10/05 1325	X		2	G							X				7								
			11/10/05																	KM						

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler# w file
Temp @ receipt 2.8/3.4
Preservation/pH checked
By KM Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job#: 230691 Quote# PO#

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments (Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
3-68	GW	SS	11/10/05 1100	X										X												1
3-68	GW	SS	11/10/05 1100	X		1	P							X										2		
3-68	GW	SS	11/10/05 1100	X		1	P			X														3		
3-68	GW	SS	11/10/05 1100	X		1	P					X														4
3-68	GW	SS	11/10/05 1100	X		1	P		X														5			
3-68	GW	SS	11/10/05 1100	X		4	G				X					6										
3-68	GW	SS	11/10/05 1100	X		2	G							X				7								
			11/10/05																	NOA						

Sampled by (print): Scott Sadowski
Signature: Scott Sadowski

Relinquished by: [signature] Date: 11/10/05 Time: 1825
Received by: [signature] Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler # 12/LC
Temp @ receipt 2.8/3.4
Preservation/pH checked
By: [signature] Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 23069 Quote# PO#

Requested Turn Around Time
15 Business Day _____ Rush _____
10 Business Day _____ Other _____

NPDES _____ Drinking Water _____ MCP Other _____
RCRA _____ MCP GW1 _____ Other _____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define

Comments (Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
3-80	GW	AM	11/10/05 1105	X										X												1
3-80	GW	AM	11/10/05 1105	X		1	P							X										2		
3-80	GW	AM	11/10/05 1105	X		1	P			X														3		
3-80	GW	AM	11/10/05 1105	X		1	P					X														4
3-80	GW	AM	11/10/05 1105	X		1	P		X														5			
3-80	GW	AM	11/10/05 1105	X		4	G				X					6										
3-80	GW	AM	11/10/05 1105	X		2	G							X				7								
			11/10/05																							

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler # Initial
Temp @ receipt 2.8/3.4
Preservation/pH checked
By Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000 (F) 413-572-3707 | (P) 978-667-1400 (F) 978-667-7871

Client: Tighe &Bond | Job#: A 0308-6-50 | Job# 23069 | Quote# | PO#

Address: 53 Southampton Rd. | Project Manager:

Westfield, MA 01085 | Work ID: Old Amherst LF

Phone: 413-562-1600 Fax: | Contact: Jeff Thelen

Requested Turn Around Time

15 Business Day ____ Rush ____

10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____

RCRA ____ MCP GW1 ____ Other ____

Shaded areas for office use

Analysis Requested

Check analysis and specify method and analytes in comments section.

For example:

500-series for drinking water

600-series for waste water

8000-series for haz/solid waste

Use comments section to further define.

Comments (Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sample Type Codes

WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater

RW-Raw Water GW-Groundwater PW-Public Water SO-Soil

S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
3-83	GW	AM	11/10/05 1438	X										X												1
3-83	GW	AM	11/10/05 1438	X		1	P							X										2		
3-83	GW	AM	11/10/05 1438	X		1	P			X														3		
3-83	GW	AM	11/10/05 1438	X		1	P					X														4
3-83	GW	AM	11/10/05 1438	X		1	P		X														5			
3-83	GW	AM	11/10/05 1438	X		4	G				X					6										
3-83	GW	AM	11/10/05 1438	X		2	G							X				7								
			11/10/05																	VOA						

Sampled by (print): Adam Marshall | Signature:

Relinquished by: | Date: 11/10/05 | Time: 1525 | Received by: NAW | Date: 11/10/05 | Time: 1525

Relinquished by: | Date: | Time: | Received by: | Date: | Time:

Method of shipment: Severn Trent Laboratories

Cooler #: W/ice

Temp @ receipt: 2.8/3.4

Preservation/pH checked

By: NAW Date: 11/10/05

Chain of Custody Form

SEVERN TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 230691 Quote# PO#

Shaded areas for office use

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
3-85	GW	SS	11/10/05 1335	X										X												1
3-85	GW	SS	11/10/05 1335	X		1	P							X										2		
3-85	GW	SS	11/10/05 1335	X		1	P			X														3		
3-85	GW	SS	11/10/05 1335	X		1	P					X														4
3-85	GW	SS	11/10/05 1335	X		1	P		X														5			
3-85	GW	SS	11/10/05 1335	X		4	G				X					6										
3-85	GW	SS	11/10/05 1335	X		2	G							X				7								
			11/10/05																							

Comments (Special Instructions)
1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sampled by (print): Scott Sidowski
Signature:

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler #: 1-176
Temp @ receipt: 2.8/3.4
Preservation/pH checked
By: Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 236651 Quote# PO#

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other:
5-89	GW	SS	11/10/05 1211	X										X												1
5-89	GW	SS	11/10/05 1211	X		1	P							X										2		
5-89	GW	SS	11/10/05 1211	X		1	P			X														3		
5-89	GW	SS	11/10/05 1211	X		1	P					X														4
5-89	GW	SS	11/10/05 1211	X		1	P		X														5			
5-89	GW	SS	11/10/05 1211	X		4	G				X					6										
5-89	GW	SS	11/10/05 1211	X		2	G							X				7								
			11/10/05																							

Sampled by (print): Scott Sadowski
Signature: Scott Sadowski

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler # 1116
Temp @ receipt 2.8/3.4
Preservation/pH checked
By: Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 23069.1 Quote# PO#

Shaded areas for office use

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
6-89	GW	AM	11/10/05 1225	X										X												1
6-89	GW	AM	11/10/05 1225	X		1	P							X										2		
6-89	GW	AM	11/10/05 1225	X		1	P			X														3		
6-89	GW	AM	11/10/05 1225	X		1	P					X														4
6-89	GW	AM	11/10/05 1225	X		1	P		X														5			
6-89	GW	AM	11/10/05 1225	X		4	G				X					6										
6-89	GW	AM	11/10/05 1225	X		2	G							X				7								
			11/10/05																		11/10/05					

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_fd
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler # W/R
Temp @ receipt: 2.8/3.4
Preservation/pH checked
By: Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 23069 | Quote# | PO#

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
163 Wildflower Ave.	WW	AM	11/10/05 1651	X										X												1
163 Wildflower Ave.	WW	AM	11/10/05 1651	X		1	P							X										2		
163 Wildflower Ave.	WW	AM	11/10/05 1651	X		1	P			X														3		
163 Wildflower Ave.	WW	AM	11/10/05 1651	X		1	P					X														4
163 Wildflower Ave.	WW	AM	11/10/05 1651	X		1	P		X														5			
163 Wildflower Ave.	WW	AM	11/10/05 1651	X		4	G				X					6										
			11/10/05																							

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 11/10/05 Time: 1825
Received by: Date: 11/10/05 Time: 1825

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler #: 12 | 15
Temp @ receipt: 2.8 | 3.4
Preservation/pH checked
By: Date: 11/10/05

Chain of Custody Form

TRENT SERVICES

Westfield, MA 01085 (P) 413-572-4000 (F) 413-572-3707
N. Billerica, MA 01862 (P) 978-667-1400 (F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 230691 Quote# PO#

Shaded areas for office use

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ total As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
1-83	GW	SS	11/11/05 1310	X										X												1
1-83	GW	SS	11/11/05 1310	X		1	P							X										2		
1-83	GW	SS	11/11/05 1310	X		1	P			X														3		
1-83	GW	SS	11/11/05 1310	X		1	P					X														4
1-83	GW	SS	11/11/05 1310	X		1	P		X														5			
1-83	GW	SS	11/11/05 1310	X		4	G				X					6										
1-83	GW	SS	11/11/05 1310	X		2	G							X				7								

11/11/05 NAN

Sampled by (print): Scott Sadowski
Signature: [signature]

Relinquished by: [signature] Date: 11/11/05 Time: 1445
Received by: NAN Date: 11/11/05 Time: 1445

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler# [illegible]
Temp @ receipt 8.4°C
Preservation/pH checked
By NAN Date 11/11/05

Chain of Custody Form

TRENT SERVICES

Westfield, MA 01085 (P) 413-572-4000 (F) 413-572-3707
N. Billerica, MA 01862 (P) 978-667-1400 (F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 230691 Quote# PO#

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments
(Special Instructions)

1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 Turb_fd
3. COD
4. T. Cyanide
5. ~~Diss.~~ Total As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. ~~8081 Pesticides~~ LTW 11/18/05

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other:	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
PGW-6	GW	AM	11/11/05 1130	X										X												1
PGW-6	GW	AM	11/11/05 1130	X		1	P							X										2		
PGW-6	GW	AM	11/11/05 1130	X		1	P			X														3		
PGW-6	GW	AM	11/11/05 1130	X		1	P					X														4
PGW-6	GW	AM	11/11/05 1130	X		1	P		X														5			
PGW-6	GW	AM	11/11/05 1130	X		4	G				X					6										
PGW-6	GW	AM	11/11/05 1130	X		2	G							X				7								
Trip Blank	LW	AM	11/11/05 0830	X		2	G				X					6										
			11/11/05																							

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 11/11/05 Time: 1445
Received by: Date: 11/11/05 Time: 1445

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler #: 1/1
Temp @ receipt: 8.4°C
Preservation/pH checked
By: Date: 11/11/05

A-308 Old LF CSA
Well #1-94
12/28/05

ANALYTICAL REPORT

RECEIVED
DEC 28 2005
TIGHE & BOND

Job Number: 360-555-1

Job Description: A-308

For:

Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Attention: Jeffery Thelen

Jamie Wickham
Project Manager II
jwickham@stl-inc.com

12/21/2005

The test results in this report meet all NELAP requirements for accredited parameters. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. STL Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 253903-A, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY DOH 10843.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-555-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds by GC/MS	STL-WES	SW846 8260B	
Purge-and-Trap	STL-WES		SW846 5030B
Organochlorine Pesticides by Gas Chromatography	STL-WES	SW846 8081A	
Separatory Funnel Liquid-Liquid Extraction	STL-WES		SW846 3510C
Inductively Coupled Plasma - Atomic Emission Spectrometry	STL-WES	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts	STL-WES		SW846 3010A
Inductively Coupled Plasma - Mass Spectrometry	STL-WES	SW846 6020	
Acid Digestion of Waters for Total Metals	STL-WES		SW846 3020A
Mercury in Liquid Waste (Manual Cold Vapor Technique)	STL-WES	SW846 7470A	
Mercury in Liquid Waste (Manual Cold Vapor	STL-WES		SW846 7470A
Conductivity, Specific Conductance Field	STL-WES	MCAWW 120.1	
pH, Electrometric Field	STL-WES	MCAWW 150.1	
Temperature, Thermometric Field	STL-WES	MCAWW 170.1	
Oxygen (Dissolved, Membrane Electrode) Field	STL-WES	MCAWW 360.1	
Residue, Filterable, Gravimetric, Dried at 180°C (TDS)	STL-WES	MCAWW 160.1	
Alkalinity, Titration Method	STL-WES	SM18 2320B	
Anions by Ion Chromatography	STL-WES	EPA-04 300.0	
Anions by Ion Chromatography	STL-WES	EPA-04 300.0	
Lachate - Cyanide, Total	STL-WES	MCAWW 10-204-00-1-A	
Distillation/Cyanide	STL-WES		Distillation
Chemical Oxygen Demand (Colorimetric, Automated; Manual)	STL-WES	MCAWW 410.4	

LAB REFERENCES:

STL-WES = STL-Westfield

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-555-1

METHOD REFERENCES:

EPA-04 - "Methods For The Determination Of Inorganic Substances In Environmental Samples", EPA/600/R-93/100, August 1993.

MCAWW - "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 - "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 - "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Tighe & Bond

Job Number: 360-555-1

Method	Analyst	Analyst ID
SW846 8260B	Weigel, Brian	BW
SW846 8081A	Fleury, Beata	BF
SW846 6010B	Currier, Roxanne	RC
SW846 6020	Balicki, Charles	CB
SW846 7470A	Balicki, Charles	CB
MCAWW 120.1	Marshall, Adam	AM
MCAWW 150.1	Marshall, Adam	AM
MCAWW 170.1	Marshall, Adam	AM
MCAWW 360.1	Marshall, Adam	AM
MCAWW 10-204-00-1-A	Mathisen, Kim	KM
MCAWW 160.1	Boles, Amber R	ARB
SM18 2320B	Mathisen, Kim	KM
EPA-04 300.0	Emerich, Rich	RE
MCAWW 410.4	Mathisen, Kim	KM

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-555-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-555-1	1-94	Water	11/18/2005 1245	11/18/2005 1535
360-555-2	Trip Blank	Water	11/18/2005 1000	11/18/2005 1535

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: 1-94 **Lab Sample ID: 360-555-1**

Date Sampled: 11/18/2005 1245
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	NONE	Dilution
Method: 120.1	**Date Prepared:**		**Date Analyzed: 11/18/2005 1245**	
Specific Conductance	79.8	umhos/cm		1.0
Method: 150.1	**Date Prepared:**		**Date Analyzed: 11/18/2005 1245**	
pH	8.60	SU		1.0
Method: 170.1	**Date Prepared:**		**Date Analyzed: 11/18/2005 1245**	
Field Temperature	8.3	Degrees C		1.0
Method: 360.1	**Date Prepared:**		**Date Analyzed: 11/18/2005 1245**	
Oxygen, Dissolved	2.08	mg/L		1.0

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: 1-94 **Lab Sample ID: 360-555-1**

Date Sampled: 11/18/2005 1245
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 8260B	**Date Prepared: 11/30/2005 2030**		**Date Analyzed: 11/30/2005 2030**	
Acetone	ND	ug/L	50	1.0
Bromobenzene	ND	ug/L	1.0	1.0
Benzene	ND	ug/L	1.0	1.0
Bromodichloromethane	ND	ug/L	1.0	1.0
Bromochloromethane	ND	ug/L	1.0	1.0
Bromoform	ND	ug/L	1.0	1.0
Bromomethane	ND	ug/L	2.0	1.0
2-Butanone (MEK)	ND	ug/L	10	1.0
Carbon tetrachloride	ND	ug/L	1.0	1.0
Chlorobenzene	ND	ug/L	1.0	1.0
Chlorodibromomethane	ND	ug/L	1.0	1.0
Chloroethane	ND	ug/L	2.0	1.0
Chloroform	ND	ug/L	1.0	1.0
Chloromethane	ND	ug/L	2.0	1.0
2-Chlorotoluene	ND	ug/L	1.0	1.0
4-Chlorotoluene	ND	ug/L	1.0	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0	1.0
Dibromomethane	ND	ug/L	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND	ug/L	5.0	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0	1.0
1,3-Dichlorobenzene	ND	ug/L	1.0	1.0
1,4-Dichlorobenzene	ND	ug/L	1.0	1.0
1,1-Dichloroethane	ND *	ug/L	1.0	1.0
1,1-Dichloroethene	ND	ug/L	1.0	1.0
1,2-Dichloroethane	ND	ug/L	1.0	1.0
1,2-Dichloropropane	ND	ug/L	1.0	1.0
1,3-Dichloropropane	ND	ug/L	1.0	1.0
2,2-Dichloropropane	ND	ug/L	1.0	1.0
1,1-Dichloropropene	ND	ug/L	1.0	1.0
cis-1,3-Dichloropropene	ND	ug/L	0.50	1.0
trans-1,3-Dichloropropene	ND	ug/L	0.50	1.0
Ethylbenzene	ND	ug/L	1.0	1.0
Ethylene Dibromide	ND	ug/L	1.0	1.0
Trichlorofluoromethane	ND	ug/L	1.0	1.0
2-Hexanone	ND	ug/L	10	1.0
Hexachlorobutadiene	ND	ug/L	1.0	1.0
Isopropylbenzene	ND	ug/L	1.0	1.0
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	1.0
Methylene Chloride	ND	ug/L	2.0	1.0
n-Butylbenzene	ND	ug/L	1.0	1.0
N-Propylbenzene	ND	ug/L	1.0	1.0
Naphthalene	ND	ug/L	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	2.0	1.0

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: 1-94 **Lab Sample ID: 360-555-1**

Date Sampled: 11/18/2005 1245
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 8260B	**Date Prepared: 11/30/2005 2030**		**Date Analyzed: 11/30/2005 2030**	
p-Isopropyltoluene	ND	ug/L	1.0	1.0
o-Xylene	ND	ug/L	1.0	1.0
sec-Butylbenzene	ND	ug/L	1.0	1.0
Styrene	ND	ug/L	1.0	1.0
tert-Butylbenzene	ND	ug/L	1.0	1.0
Tetrachloroethene	ND	ug/L	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1.0
Toluene	ND	ug/L	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0	1.0
Trichloroethene	ND	ug/L	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1.0
Vinyl chloride	ND	ug/L	1.0	1.0
Methyl tert-butyl ether	ND	ug/L	1.0	1.0
Tert-butyl ethyl ether	ND	ug/L	5.0	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4	88	%	70 - 130
Dibromofluoromethane	95	%	70 - 130
Toluene-d8	89	%	70 - 130
4-Bromofluorobenzene	99	%	70 - 130

Method: 8081A	**Date Prepared: 11/25/2005 1613**		**Date Analyzed: 11/30/2005 1854**	
alpha-BHC	ND	ug/L	0.10	1.0
beta-BHC	ND	ug/L	0.10	1.0
delta-BHC	ND	ug/L	0.10	1.0
gamma-BHC (Lindane)	ND	ug/L	0.10	1.0
Heptachlor	ND	ug/L	0.10	1.0
Aldrin	ND	ug/L	0.10	1.0
Heptachlor epoxide	ND	ug/L	0.10	1.0
Endosulfan I	ND	ug/L	0.10	1.0
Dieldrin	ND	ug/L	0.10	1.0
4,4'-DDE	ND	ug/L	0.10	1.0
Endrin	ND	ug/L	0.10	1.0
Endosulfan II	ND	ug/L	0.10	1.0
4,4'-DDD	ND	ug/L	0.10	1.0
Endosulfan sulfate	ND	ug/L	0.10	1.0
4,4'-DDT	ND	ug/L	0.10	1.0
Methoxychlor	ND	ug/L	0.10	1.0

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: 1-94 **Lab Sample ID: 360-555-1**

Date Sampled: 11/18/2005 1245
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 8081A	**Date Prepared: 11/25/2005 1613**		**Date Analyzed: 11/30/2005 1854**	
Toxaphene	ND	ug/L	5.0	1.0
Endrin aldehyde	ND	ug/L	0.10	1.0
Surrogate			Acceptance Limits	
DCB Decachlorobiphenyl	75	%	30 - 130	
Tetrachloro-m-xylene	89	%	30 - 130	
Method: 6010B	**Date Prepared: 11/21/2005 1716**		**Date Analyzed: 12/02/2005 0013**	
Ag	ND	ug/L	5.0	1.0
As	ND	ug/L	10	1.0
Ba	96	ug/L	10	1.0
Cd	2.5	ug/L	2.0	1.0
Cr	13	ug/L	5.0	1.0
Cu	14	ug/L	10	1.0
Fe	95000	ug/L	100	1.0
Mn	890	ug/L	10	1.0
Se	ND	ug/L	20	1.0
Zn	2900	ug/L	50	1.0
Method: 6020	**Date Prepared: 11/29/2005 1228**		**Date Analyzed: 12/20/2005 1225**	
Pb	33	ug/L	1.0	1.0
Method: 7470A	**Date Prepared: 11/22/2005 0911**		**Date Analyzed: 11/22/2005 1424**	
Hg	ND	ug/L	0.20	1.0
Method: 160.1	**Date Prepared:**		**Date Analyzed: 11/23/2005 1321**	
Total Dissolved Solids	29	mg/L	10	1.0
Method: 2320B	**Date Prepared:**		**Date Analyzed: 11/29/2005 1455**	
Alkalinity	25	mg/L	1.0	1.0
Method: 300.0	**Date Prepared:**		**Date Analyzed: 11/19/2005 1321**	
Sulfate	ND	mg/L	2.0	1.0
Chloride	12	mg/L	1.0	1.0
Method: 300.0	**Date Prepared:**		**Date Analyzed: 11/19/2005 0121**	
Nitrogen, Nitrate	ND	mg/L	0.050	1.0
Method: 10-204-00-1-A	**Date Prepared: 11/21/2005 0902**		**Date Analyzed: 11/21/2005 1724**	
Cyanide, Total	ND	mg/L	0.010	1.0
Method: 410.4	**Date Prepared:**		**Date Analyzed: 11/22/2005 1619**	
Chemical Oxygen Demand	27	mg/L	20	1.0

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: 1-94 **Lab Sample ID: 360-555-1**

Date Sampled: 11/18/2005 1245
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	RL	Dilution

Method: 410.4 **Date Prepared:** **Date Analyzed: 11/22/2005 1619**

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: Trip Blank **Lab Sample ID: 360-555-2**

Date Sampled: 11/18/2005 1000
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 8260B	**Date Prepared: 11/30/2005 2053**		**Date Analyzed: 11/30/2005 2053**	
Acetone	ND	ug/L	50	1.0
Bromobenzene	ND	ug/L	1.0	1.0
Benzene	ND	ug/L	1.0	1.0
Bromodichloromethane	ND	ug/L	1.0	1.0
Bromochloromethane	ND	ug/L	1.0	1.0
Bromoform	ND	ug/L	1.0	1.0
Bromomethane	ND	ug/L	2.0	1.0
2-Butanone (MEK)	ND	ug/L	10	1.0
Carbon tetrachloride	ND	ug/L	1.0	1.0
Chlorobenzene	ND	ug/L	1.0	1.0
Chlorodibromomethane	ND	ug/L	1.0	1.0
Chloroethane	ND	ug/L	2.0	1.0
Chloroform	ND	ug/L	1.0	1.0
Chloromethane	ND	ug/L	2.0	1.0
2-Chlorotoluene	ND	ug/L	1.0	1.0
4-Chlorotoluene	ND	ug/L	1.0	1.0
cis-1,2-Dichloroethene	ND	ug/L	1.0	1.0
trans-1,2-Dichloroethene	ND	ug/L	1.0	1.0
Dibromomethane	ND	ug/L	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND	ug/L	5.0	1.0
1,2-Dichlorobenzene	ND	ug/L	1.0	1.0
1,3-Dichlorobenzene	ND	ug/L	1.0	1.0
1,4-Dichlorobenzene	ND	ug/L	1.0	1.0
1,1-Dichloroethane	ND *	ug/L	1.0	1.0
1,1-Dichloroethene	ND	ug/L	1.0	1.0
1,2-Dichloroethane	ND	ug/L	1.0	1.0
1,2-Dichloropropane	ND	ug/L	1.0	1.0
1,3-Dichloropropane	ND	ug/L	1.0	1.0
2,2-Dichloropropane	ND	ug/L	1.0	1.0
1,1-Dichloropropene	ND	ug/L	1.0	1.0
cis-1,3-Dichloropropene	ND	ug/L	0.50	1.0
trans-1,3-Dichloropropene	ND	ug/L	0.50	1.0
Ethylbenzene	ND	ug/L	1.0	1.0
Ethylene Dibromide	ND	ug/L	1.0	1.0
Trichlorofluoromethane	ND	ug/L	1.0	1.0
2-Hexanone	ND	ug/L	10	1.0
Hexachlorobutadiene	ND	ug/L	1.0	1.0
Isopropylbenzene	ND	ug/L	1.0	1.0
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10	1.0
Methylene Chloride	ND	ug/L	2.0	1.0
n-Butylbenzene	ND	ug/L	1.0	1.0
N-Propylbenzene	ND	ug/L	1.0	1.0
Naphthalene	ND	ug/L	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	2.0	1.0

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-555-1

Client Sample ID: Trip Blank **Lab Sample ID: 360-555-2**

Date Sampled: 11/18/2005 1000
Date Received: 11/18/2005 1535

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 8260B	**Date Prepared: 11/30/2005 2053**		**Date Analyzed: 11/30/2005 2053**	
p-Isopropyltoluene	ND	ug/L	1.0	1.0
o-Xylene	ND	ug/L	1.0	1.0
sec-Butylbenzene	ND	ug/L	1.0	1.0
Styrene	ND	ug/L	1.0	1.0
tert-Butylbenzene	ND	ug/L	1.0	1.0
Tetrachloroethene	ND	ug/L	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1.0
Toluene	ND	ug/L	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	1.0	1.0
Trichloroethene	ND	ug/L	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1.0
Vinyl chloride	ND	ug/L	1.0	1.0
Methyl tert-butyl ether	ND	ug/L	1.0	1.0
Tert-butyl ethyl ether	ND	ug/L	5.0	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4	90	%	70 - 130
Dibromofluoromethane	96	%	70 - 130
Toluene-d8	100	%	70 - 130
4-Bromofluorobenzene	101	%	70 - 130

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-555-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS, LCSD, MS, MSD, MD, or Surrogate exceeds the control limits

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Tighe & Bond

Job Number: 360-555-1

Login Number: 555

Question	T/F/NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	NA	
The cooler's custody seal, if present.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	7.0 C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present	True	
Samples do not require splitting or compositing	True	

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
Westfield, MA 01085

Job Number: A308
Sampling Location: Old Amherst LF

Contact: JJT
Collected By: AM/SS

Well No.: ~~SS 2-83~~ 1-94
Date: 11/18/05
Time Collected: 1245

Weather: sunny 30's

Water Table

Diameter of Well: 2"
Well Depth (from top of PVC standpipe): 69.83
Depth of Water Table (from top of PVC standpipe): 0.00
Length of Water Column: 69.83 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 35.6133 Volume Purged 35.6 gal

Purging Method: (please check)
Submersible pump ____ Teflon Bailer ✓ Other (explain) ____

Sampling Method:
Type of Bailer: Teflon ✓ ID# ____ Other (explain) ____ Dedicated Bailer (YES) NO
If not explain decontamination procedures

SAMPLE COLLECTION & FIELD DATA

Volume removed prior to analysis	pH	Specific Conductance µmhos/cm @25°C	Temperature °C	Dissolved Oxygen mg/L	Turb (NTU)	Time Analyzed
35.6 gal	8.60	79.8	4.3	2.08	—	1250

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
pl. Liter	1	4.0°	See page 22 for	–
500ml pl.	1	HNO3	analysis	<2
250ml pl.	1	H2SO4	↓	<2
250ml pl.	1	NAOH	↓	>12
40ml vial	4	HCL	↓	<2
Amber Liter	2	4.0°	↓	–

If sample was taken for dissolved metals, were these samples field filtered? N/A

Date: — Time: — By: — Filter Pore Size & Type: —

General Notes:

~~See page 22 for calibrations~~ SS

Hach pH meter calibrated from 4→7→10 w/buffers on 11/18
YSI DO meter calibrated to 96.5% @ 1000'
YSI SpCond meter calibrated to 1413 µmhos/cm @ 25°C

Chain of Custody Form

SERVICES

(P) 413-572-4000
(F) 413-572-3707

(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Address: 53 Southampton Rd.
Westfield, MA 01085
Phone: 413-562-1600 Fax:

Job#: A 0308-6-50
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job# 360-555 | Quote# | PO#

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water
8000-series for haz/solid waste
Use comments section to further define.

Comments (Special Instructions)
1. pH_fd,Temp_fd,DO_fd,Sp.Cond_f
2. Alk,NO3-n,TDS,Cl,SO4 ~~Turb_fd~~ TURB
3. COD
4. T. Cyanide
5. ~~Diss.~~ TOTAL As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 8081 Pesticides

Requested Turn Around Time
15 Business Day ____ Rush ____
10 Business Day ____ Other ____

NPDES ____ Drinking Water ____ MCP Other ____
RCRA ____ MCP GW1 ____ Other ____

Sample Type Codes
WW-Wellwater W-Wastewater SW-Surfacewater LW-Labwater
RW-Raw Water GW-Groundwater PW-Public Water SO-Soil
S-Solid SL-Sludge O-Oil A-Air Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	Preservative: NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >2	Other	4° C	pH	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
1-94	GW	AM	11/18/05 1245	X										X												1
1-94	GW	AM	11/18/05 1245	X		1	P							X										2		
1-94	GW	AM	11/18/05 1245	X		1	P			X														3		
1-94	GW	AM	11/18/05 1245	X		1	P					X														4
1-94	GW	AM	11/18/05 1245	X		1	P		X														5			
1-94	GW	AM	11/18/05 1245	X		4	G				X					6										
1-94	GW	AM	11/18/05 1245	X		2	G							X				7								
Trip Blank	LW	AM	11/18/05 1000	X		2	G				X					6										
			11/18/05																							

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 11/18/05 Time: 1535
Received by: Date: 11/18/05 Time: 1535

Relinquished by: Date: Time:
Received by: Date: Time:

Method of shipment: Severn Trent Laboratories

Cooler # 1/LE
Temp @ receipt: 2.0°C
Preservation/pH checked
By: Date: 11/18/05

SEVERN TRENT STL®

STL Westfield
53 Southampton Road
Westfield, MA 01085

Tel: 413 572 4000 Fax: 413 572 3707
www.stl-inc.com

Jeff Thelen
Tighe & Bond, Inc.
53 Southampton Road
Westfield, MA 01085

January 24, 2006

REVISED

Report Number: 360-423

Dear Jeff Thelen,

The revised report for the above referenced project is now complete. This revision reports the missing mercury data for the sample identified as SED-9, which was mistakenly left off the final report. The pages are sequence so that they may be inserted into the original report.

If you should have any questions regarding this report or any part of our service, please do not hesitate to contact us. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL Westfield

Technical Review: JCD 1/24/06

Total number of pages in this report: 3

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-423-1
Sdg Number:

Client Sample ID: SED-9 **Lab Sample ID: 360-423-19**

Date Sampled: 11/08/2005 1100
Date Received: 11/08/2005 1650

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: 8260B	**Date Prepared: 11/22/2005 1100**		**Date Analyzed: 11/22/2005 2125**	
p-Isopropyltoluene	ND	ug/Kg	3.0	1.0
o-Xylene	ND	ug/Kg	3.0	1.0
sec-Butylbenzene	ND	ug/Kg	3.0	1.0
Styrene	ND	ug/Kg	3.0	1.0
tert-Butylbenzene	ND	ug/Kg	3.0	1.0
Tetrachloroethene	ND	ug/Kg	3.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/Kg	3.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/Kg	3.0	1.0
Toluene	ND	ug/Kg	3.0	1.0
1,2,3-Trichlorobenzene	ND	ug/Kg	3.0	1.0
1,2,4-Trichlorobenzene	ND	ug/Kg	3.0	1.0
1,1,1-Trichloroethane	ND	ug/Kg	3.0	1.0
1,1,2-Trichloroethane	ND	ug/Kg	3.0	1.0
Trichloroethene	ND	ug/Kg	3.0	1.0
1,2,3-Trichloropropane	ND	ug/Kg	3.0	1.0
1,2,4-Trimethylbenzene	ND	ug/Kg	3.0	1.0
1,3,5-Trimethylbenzene	ND	ug/Kg	3.0	1.0
Vinyl chloride	ND	ug/Kg	6.0	1.0
Methyl tert-butyl ether	ND	ug/Kg	3.0	1.0

Surrogate			Acceptance Limits
1,2-Dichloroethane-d4	111	%	70 - 130
Dibromofluoromethane	103	%	70 - 130
Toluene-d8	98	%	70 - 130
4-Bromofluorobenzene	107	%	70 - 130

Method: 6010B	**Date Prepared: 11/17/2005 1112**		**Date Analyzed: 12/01/2005 1729**	
Ag	ND	mg/Kg	3.5	5.0
As	ND	mg/Kg	7.0	5.0
Ba	57	mg/Kg	3.5	5.0
Cd	ND	mg/Kg	1.4	5.0
Cr	11	mg/Kg	3.5	5.0
Cu	11	mg/Kg	7.0	5.0
Fe	13000	mg/Kg	35	5.0
Mn	240	mg/Kg	7.0	5.0
Pb	9.6	mg/Kg	3.5	5.0
Se	ND	mg/Kg	11	5.0
Zn	22	mg/Kg	18	5.0
Method: 7471A	**Date Prepared: 11/17/2005 1219**		**Date Analyzed: 11/23/2005 1206**	
Hg	ND	mg/Kg	0.047	1.0
Method: SOLUBLE-SM2320B	**Date Prepared:**		**Date Analyzed: 11/21/2005 0731**	
Alkalinity	37	mg/Kg	10	1.0

Jeffery Thelen
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Job Number: 360-423-1
Sdg Number:

Client Sample ID: SED-9 **Lab Sample ID: 360-423-19**

Date Sampled: 11/08/2005 1100
Date Received: 11/08/2005 1650

Analyte	Result/Qualifier	Unit	RL	Dilution
Method: SOLUBLE-SM2320B	**Date Prepared:**		**Date Analyzed: 11/21/2005 0731**	
Method: SOLUBLE-300.0	**Date Prepared:**		**Date Analyzed: 11/18/2005 1709**	
Sulfate	ND	mg/Kg	350	1.0
Chloride	ND	mg/Kg	180	1.0
Method: SOLUBLE-300.0	**Date Prepared:**		**Date Analyzed: 11/18/2005 1733**	
Nitrogen, Nitrate	ND	mg/Kg	44	1.0
Method: SOLUBLE-410.4	**Date Prepared:**		**Date Analyzed: 11/22/2005 1619**	
Chemical Oxygen Demand	ND	mg/Kg	260	1.0
Method: 9012A	**Date Prepared: 11/21/2005 0907**		**Date Analyzed: 11/21/2005 1727**	
Cyanide, Total	ND	mg/Kg	17	1.0
Method: 160.3	**Date Prepared:**		**Date Analyzed: 11/18/2005 1413**	
Percent Solids	77	%	0.10	1.0

HEALTH & SAFETY PLAN

Old Amherst Landfill
Route 9 (South Side)
Amherst, Massachusetts

Prepared for:
Town of Amherst
Department of Public Works
Amherst, Massachusetts

August 2005

Tighe&Bond
Consulting Engineers
Environmental Specialists

SITE HAZARD EVALUATION SUMMARY

Brief Location History: Old Amherst Landfill –
The landfill consists of three waste disposal areas, a municipal solid waste disposal area, a concrete and masonry demolition disposal area and a wood a stump dump area. The waste disposal areas were closed and capped in 1986 using a variable depth clay soil barrier syetem.

Field activities to be conducted under this HASP include site walks, soil and sediment soil sample collection, boring and monitoring well installation, survey, and other activities associated with the new Massachusetts Department of Environmental Protection regulations associated with landfill closure.

Applicable Activities: This Site Hazard Evaluation Summary (SHES) is applicable to Tighe & Bond field personnel engaged in the excavation of soil, subsurface exploration activities and the collection of environmental samples. All other site personnel should follow their company specific Health & Safety Plan.

A. PHYSICAL HAZARDS

1. Terrain –The areas of the proposed work may be variable in elevation and terrain as associated with the current landfill cap. The area is covered with various media, including grass and vegetation, soils, clay, gravel, etc.
2. Traffic – The site is gated from Route 9. The only vehicles present inside the fencing will be involved with landfill activities.
3. Equipment - Exercise appropriate caution when working near excavation and/or drilling equipment and trucks. Avoid standing directly behind the machines and vehicles.
4. Other – The subsurface may contains utility lines. Extreme caution should be utilized during excavation.

B. CHEMICAL HAZARDS

1. Materials Used/Stored at Site – Materials buried on the site may contain various concentrations of hazardous materials. .
2. Materials Released at Site – Elevated levels of landfill gas, VOC's and metals have been identified in various media on site.

C. BIOLOGICAL HAZARDS - (insects, animals, poisonous plants, pathogens/infectious materials, etc. describe if anticipated)

Insects and Poison Ivy may be present during the spring and summer months.

Level of Protection – Procedures for operating within the landfill are consistent with Level D, and may include hardhat, steel toed boots, eye wear, safety vests, or gloves.

Equipment Decontamination - Wash sampling equipment with a detergent soap in between sampling. All other applicable decontamination procedures as specified within the Contractor Health & Safety Plan should be followed.

SUMMARY OF EMERGENCY CONTACTS

Telephone Availability

_X_ Available in employee vehicle

____ Nearest location to be determined upon arrival on site

Town of Amherst

Fire Department **911**
(Call in the event of chemical release, fire or explosion)

Police Department **911**
(Call in the event of explosion)

Ambulance **911**
(Call in the event of physical injury, heat stress, frostbite, chemical exposure)

Attach map showing route to nearest hospital

Name: **Cooley Dickenson Hospital**
30 Locust Street (Route 9)
Northampton, MA, 01061-5001
1-413-582-2108

Massachusetts Poison Control Center **1-800-682-9211**
(Call in the event of poisoning by ingestion, inhalation, etc.)

Be prepared to provide emergency personnel with the following:

- Phone number at site: (Employee Cell Phone – to be determined upon arrival on-site)
- Address of site: Route 9
- Nearest cross road: South Side of Rte 9, near Harkness Road
- Hazard exposed to:
- Any vital signs (pulse, breathing, etc.)

Other applicable emergency contacts:

1. Tighe & Bond: Jeffrey Thelan , (413)-572-3260
2. Tighe & Bond: Matt Abraham (508) 471-9602
3. DEP: Wstern Regional Office (413) 784-1100

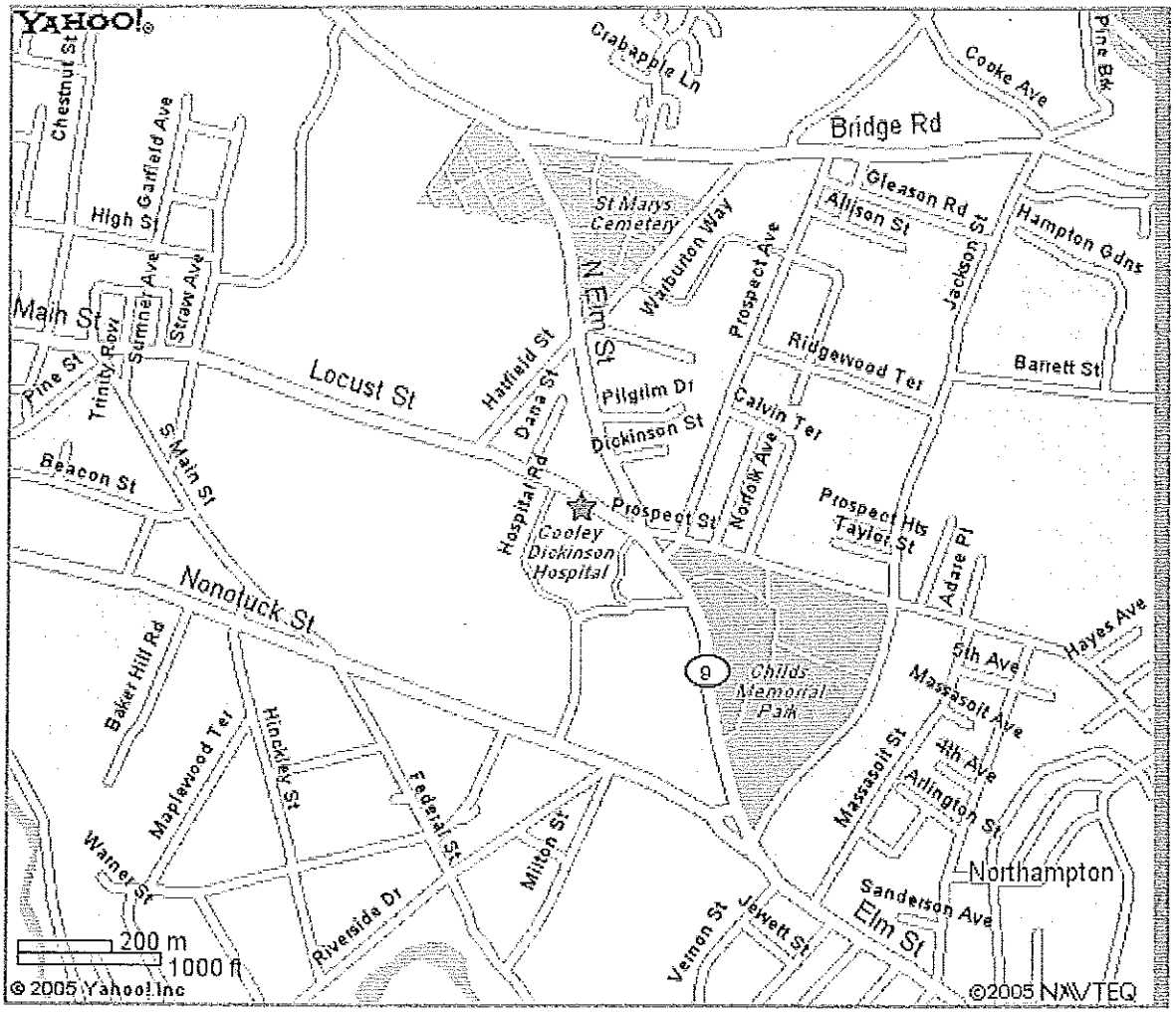
HOSPITAL DIRECTION SHEET

Cooley Dickenson Hospital

30 Locust Street (Route 9)
Northampton, MA, 01061-5001
Emergency Room-Phone:

1-413-582-2108

Area Map



Directions-

Follow Route 9 from Amherst into North Hampton

Driving Directions

1. Take Route 113 east to Route 3
2. Take Route 3 North (F.E. Everett Turnpike);
3. Take Exit 5E.
4. Go straight through the next two stop signs. At the first set of lights take a right into the St. Joseph Hospital parking lot.

DOCUMENTATION

INSTRUCTIONS: Field personnel are required to receive a copy of the health and safety plan (HSP), and to read, understand, and agree to the provisions of the plan. The Project Manager (PM) is responsible for distributing the HSP to personnel as they are assigned to the project. Personnel are required to sign this form indicating receipt of the HSP. The original of this form is maintained by the PM, and becomes part of the permanent project files. Copies of this form are to be sent to Michael J. Matalainen, CIH.

SITE NAME: Massachusetts Electric Company – Groton Street Substation
LOCATION: Groton Street, Pepperell, Massachusetts

I have received a copy, read, understood, and agree to comply with the provisions of the above referenced HSP for work activities on this project.

PRINTED NAME/COMPANY	SIGNATURE	DATE

HEALTH AND SAFETY PLAN
FOR ROUTINE SITE ACTIVITIES

1.0 Purpose - The purpose of this health and safety plan (HSP) is to provide standards for worker safety and protection during field activities conducted on a frequent or routine basis. The plan outlines standards and mandatory procedures relative to physical and chemical hazards encountered at sites, communication, training, worker health monitoring, decontamination procedures and levels of personnel protection. Any questions concerning this information should be directed to Tighe & Bond Certified Industrial Hygienist, Mr. Michael J. Matilainen at 413-562-1600.

2.0 Applicability - This plan is applicable to all personnel working at sites where mandatory worker health and safety training is required by State or Federal agencies. It is intended for use at sites where information regarding potential site hazards is available in the form of background research, personal communication with past or present property owners or workers, previous sampling results, etc.

Available information should be provided to site workers as outlined in Section 5. This plan is applicable only when provided in conjunction with a site specific hazard evaluation summary including information outlined in that Section.

Activities to which this plan is applicable may include sampling of groundwater, wastewater and ambient air; inspection of drilling, excavation or construction activities; and other routine field activities. Activities involving contact with unknown substances and activities on sites where little background information is available will require more extensive and specific HSP development.

This plan does not cover procedures for entry into trenches, excavations or confined spaces. Project-specific attachments should be prepared and appended to the site hazard evaluation summary if those activities are planned. Work of this nature shall be performed in accordance with 29 CFR 1926.250 subpart P "Excavation, Trenching and Shoring", 29 CFR 1910.146 "Permit Required Confined Space Entry" and the Tighe &Bond "Employee Confined Space Entry Program".

3.0 Site Control - Work Zones - It is not anticipated that conditions on sites where this plan is applicable will require special measures to achieve site security or restriction of normal site activities and access. If special site control measures are necessary at individual sites, those measures must be outlined in the site specific hazard summary to be prepared for each site. Whenever possible, efforts should be made to minimize potential exposures at the sites. These can include but are not limited to remote sampling/materials handling, positioning workers upwind of work activities and rotation of employees.

4.0 Personnel Protection - Personnel protective equipment and safety requirements must be appropriate to protect against the known or worst potential hazards on the site. Protective equipment should be selected based on the concentrations and possible routes of exposure to known or potential worst case substances. The levels of personnel protective equipment are described in Section 8. All Tighe & Bond engineering or assessment personnel engaged in work on-site will be participants in the Tighe & Bond medical monitoring program described in Section 9, or a similar program.

It is anticipated that Level D or C protection and basic site safety measures will be sufficient at most sites. Any conditions warranting upgrading the required level of protection to Level B or A will be cause for all personnel to immediately leave the work site. The site will be re-evaluated and a new site health and safety plan will be prepared which incorporates the additional site information.

Whenever Level C is in use, the breathing zone of the workers will also be monitored constantly utilizing a photo-ionization detector (PID). If the total volatile organic concentration (as indicated by the PID) in the breathing zone of the workers approaches 50 ppm, work shall cease and the crew will exit the work area and evaluate the need to upgrade to Level B.

The specific respiratory protective device selected for Level C protection shall be the device identified on each individual's respirator fit test, as described in Section 5.3. In general, respirators will be supplied with combination cartridges for organic vapors, dusts, mists, and acid gasses and shall be approved by the Mine Safety and Health Administration and the National Institute for Occupational Safety and Health. In the event that a site hazard evaluation summary identifies the potential for exposure to other chemical substances (i.e. formaldehyde, Ammonia) additional cartridges will be supplied as necessary to be made available at the site.

5.0 Communications and Training - Workers at State and Federally listed or recognized sites must be provided with adequate information and training to recognize and evaluate potential hazards. Training shall comply with applicable regulations including 29 CFR 1910.1200 "Hazard Communication Standard"

5.1 Communication - The Project Manager shall supply all on-site personnel with a site-specific hazard evaluation summary to be used in conjunction with this plan. The summary shall cover, at a minimum, the following topics:

a. A brief description of the history of the location with regards to health and environmental hazards.

b. A description of the activities to which the hazard evaluation summary is applicable to.

c. A description of any hazards which may be encountered, including:

1. Physical Hazards - terrain, traffic, equipment, severe weather (heat stress and frostbite), electrical hazards, noise.

2. Chemical Hazards - materials used and stored at the site, materials released at the site.

3. Biological Hazards - insects, plants, animals, pathogens, infectious materials.

d. A description of the levels of protection selected for the operation.

e. Equipment decontamination procedure if different from those specified herein.

f. Summary of emergency contacts for use in the event of fire, explosion, medical emergency or other emergency, including the location of the nearest telephone and an address and phone number to provide to emergency personnel.

g. A map showing the route to the nearest hospital.

h. A summary of available recent monitoring data and relevant chemical information.

5.2 Health and Safety Training - All personnel will be provided with approved health and safety training as outlined in 29 CFR 1910.120(e). Copies of current training documentation for all site workers will be available at the site. Documentation for Tighe & Bond employees should also be maintained at a central location at the Tighe & Bond office.

5.3 Respirator Usage Training and Fit Testing - Prior to assignment to a site where respirator use may be required, employees will be provided with respirator training as outlined in 29 CFR 1910.134(e)(5). Respirator fit tests are to be conducted at 6 to 10 month intervals, or at any time when a condition that may change the fit of a respirator has occurred, such as change in weight, change in facial structure, extensive dental work, etc. All use of respirators shall comply with Tighe & Bond's written respiratory program.

6.0 Decontamination Procedures

6.1 Personnel Decontamination - If Level D protection is used, any disposable inner gloves or protective clothing should be sealed in a plastic bag and properly disposed of. Moisture resistant outer gloves and outer boots should be rinsed to remove gross contaminants, and then sealed in a plastic bag. Any further decontamination required should be performed at the laboratory. Disposable equipment should be used whenever possible.

If Level C or greater protection is used, personnel are required to follow the decontamination procedures listed below, as they apply to the gear being worn:

a) Wash boots thoroughly with clean water or an appropriate cleaning solution to remove gross contaminants.

b) Scrub down outer boots in decontamination solution and rinse with water.

c) Remove boots.

d) If wearing reusable raingear, it should be cleaned in a similar manner as the boots.

e) Disposable Tyveks should be removed and placed in trash receptacle.

f) Spent cartridges can also be discarded in the trash receptacle.

g) Remove outer gloves and wash in same manner as boots while wearing disposable inner gloves.

h) Use a new set of disposable gloves to clean additional equipment including hard hat, safety glasses, etc.

i) Decontamination wash and rinse water will be allowed to percolate into the ground or as specified.

6.2 Equipment Decontamination - Proper decontamination of all equipment is necessary to avoid transferring contaminants from the site, thereby increasing potential for exposure of on-site and off-site personnel. The measures described below should be followed prior to leaving all sites, as applicable to the equipment being used. Any variations from the procedures described below for reasons of worker health or safety must be described by the Project Manager in the site specific hazard summary.

These measures are separate from, and may not be substituted for, other decontamination procedures associated with proper sampling protocol

a) Sampling equipment such as measuring tapes and bailer cords may be decontaminated at the sampling area. The equipment may be thoroughly rinsed with clean water or an appropriate cleaning solution and wiped dry with paper towels before leaving the work site. Alternatively, they may be wrapped in absorbent material and/or stored in plastic bags sealed to prevent contact with workers, vehicles, etc.

b) The rinse water from this operation will be allowed to percolate into the ground or as specified.

c) Decontamination of drilling equipment including drill rigs, backhoes, drill rods, augers, etc. will take place at the site of each boring/monitoring well or test pit prior to moving to subsequent locations. Decontamination of such equipment will entail a thorough steam cleaning, or washing and rinsing of the equipment with high pressure water followed by air drying. In addition, the tires and undercarriages of vehicles exiting areas identified as having surficial hazardous materials will be sprayed with high pressure water and allowed to dry before leaving the contaminated area.

d) Contaminated soil brought to the surface during any well installation or soil excavation activities with a total organic vapor concentration (TOV) greater than 10 ppm as registered by the field PID will be segregated into an area lined with 6 mil (minimum) polyethylene. The piles will be surrounded by an earth berm, and will be covered with 6 mil (minimum) polyethylene pending proper disposal or reuse.

7.0 Emergency Procedures

7.1 Inhalation

a) If warning signals such as: dizziness, nausea, headache, shortness of breath, burning sensation in mouth, throat or lung or symptoms specific to hazard found at the site are apparent, the victim should leave the contaminated air space immediately. Have someone contact emergency services and obtain health and safety information about potential contaminants.

b) If unconscious, the victim should be pulled out of the contaminated area immediately if they do not have any injuries, which would prohibit moving them (i.e. spiral injury). The rescuers should make sure that the area is safe to enter. If the area cannot be safely entered, attempt to ventilate this

area. Do not attempt a rescue. Rescuers should make sure they are properly trained in First Aid and rescue and that they are wearing proper respiratory and protective equipment before attempting the rescue.

c) If the victim is no longer breathing, mouth-to-mouth resuscitation or some other form of artificial respiration should administered by a person who is properly trained and certified in a location away from the contaminated area.

Medical attention should be obtained as soon as possible.

7.2 Skin Exposure - The skin should be washed with copious amounts of soap and water. If clothing is contaminated, it should be removed immediately and the skin washed thoroughly with running water. If a shower is available, it should be used immediately and clothes should be removed while showering. This procedure may be life-saving as certain highly toxic chemicals are rapidly absorbed through the skin.

All contaminated parts of the body, including the hair, should be thoroughly decontaminated. It may be necessary to wash repeatedly.

7.3 Ingestion - A poison control center or emergency service should be contacted immediately to determine an appropriate course of action. If possible, have health and safety information on the poison available when you call for help. Vomiting should be induced except when the substance presents an aspiration hazard, such as from a petroleum product; or when the substance is strong acid or alkali. To induce vomiting, a tablespoon of salt or powdered mustard in a glass of warm water or syrup of ipecac from the First Aid Kit can be taken as an emetic.

Drinking plenty of water and placing a finger down the throat may also be effective in inducing vomiting. The treatment should be repeated until vomit is clear.

Medical attention should be obtained immediately.

7.4 Eyes - It a toxicant should get in the eyes, they should be washed with plenty of water. The eye itself should be held open, rotated, and flooded with water so that all surfaces are washed thoroughly. Washing should be continued for at least 15 minutes.

Medical attention should be obtained immediately.

7.5 Exposure to Heat or Cold - When working under severe weather conditions, personnel should be aware of the signs of heat stress, hypothermia and frostbite as well as the appropriate response actions.

a) Heat Stress - If a worker shows signs of heat stroke (dry, hot, red skin, high body temperature) or heat exhaustion (cool, moist, pale or red skin, dilated pupils, nausea, dizziness), the worker must be removed from the work area and cooled. Loosen clothing, elevate feet, and provide cool liquids. Heat stroke can be life threatening and requires rapid action.

b) Hypothermia - If a worker shows signs of hypothermia (shivering, impaired judgement, drowsiness, clumsiness) the worker must be removed from the work area and warmed gradually.

c) Frostbite - If a worker shows signs of frostbite (skin color changes to white or grayish-yellow then grayish-blue), the worker must be moved to a warm place. The affected area should be placed in warm (100-105°F) water. Do not rub or massage.

7.6 Stings and Bites - If still present, remove stinger with fingernail. Work the site with soap and water. Cover with bandage and apply ice. If severe allergic reactions appear (hives, itching, rash, nausea, vomiting, dizziness, swelling) seek medical attention immediately.

8.0 Levels of Protection - While this plan is not intended for use at sites where levels of protection above Level C are required, all four Levels (A through D) are described below. Workers should leave the site pending further evaluation if conditions requiring Level A or Level B protection are observed or detected.

8.1 Level A - Level A protection should be worn when the highest available level of respiratory, skin, and eye contact protection is needed. While Level A provides the maximum available protection, it does not protect against all possible airborne or splash hazards. For example, suit material may be rapidly permeable to certain chemicals in high air concentrations or heavy splashes.

A. Personnel Protection Equipment

- Positive pressure self-contained breathing apparatus (SCBA), OSHA\NIOSH approved, operated in the positive pressure mode.

- Totally encapsulated suit (boots and gloves attached).

- Gloves - inner (tight-fitting and chemical-resistant).

- Boots - chemical-protective, steel toe and shank. Depending on suit boot construction, worn over suit boot.

- Gloves - outer, chemical-resistant. Depending on suit construction, worn over suit gloves. May be replaced with tight-fitting, chemical-resistant gloves worn inside suit gloves.

- Underwear - cotton, "long-john" type (optional).

- Hard hat (under suit).

- Disposable protective suit, gloves and boots. Worn under or over encapsulating suit.

- Coveralls (under suit).

- 2-way radio communications.

B. Criteria for Use

Use Level A:

1. When the type(s) and concentrations(s) of toxic substances are known to require the highest level of combined protection to the respiratory tract, skin, and eyes. These conditions would be:

   a) Atmospheres which are "immediately dangerous for life and health" (IDLH). IDLH's are detailed in the NIOSH/OSHA's "Pocket Guide to Chemical Hazards" and/or other references.

   b) Known atmosphere or potential situations that would affect the skin or eyes, or could be absorbed into the body through these surfaces in toxic quantities.

      - Potential situations are those where vapors may be generated or splashing may occur through site activities.

      - Standard reference books should be consulted to obtain concentrations hazards to skin, eyes, or mucous membranes.

- Oxygen deficient atmospheres with above conditions.

2. At sites where the type(s) and/or potential concentration(s) of toxic substances are unknown.

   a) Unless there is information available to strongly indicate otherwise, the site should be presumed to present hazards to the respiratory system, skin, and eyes. Level A protection would provide the highest level of protection for the initial entry team.

   b) Enclosed areas such as building, railroad cars, ship holds, etc.

3. When total vapor readings of 500 ppm to 1,000 ppm are obtained on instruments such as a photo-ionization detector (PID) or organic vapor analyzer (OVA) in the breathing zone.

   It is not anticipated that work will be done under conditions requiring Level A protection. If such conditions are encountered, operations will cease immediately and all personnel will immediately leave the area. Workers shall not re-enter the area until a more comprehensive HSP specifically appropriate for such conditions has been prepared, or until there is clear evidence that the conditions requiring Level A protection have abated.

8.2 Level B - Level B protection should be selected when the highest level of respiratory protection is needed, but exposure to the small unprotected areas of the body (i.e. neck and back of head) is unlikely, or where concentrations are known to be within acceptable exposure standards.

A. Personnel Protective Equipment

- Positive pressure SCBA, OSHA/NIOSH approved, operated in the positive pressure mode.

- Hooded, two-piece chemical-resistant suit.

- Gloves - outer, chemical-protective.

- Boots - outer (chemical-protective, steel toe and shank).

- 2-way radio communications.

- Hard hat.

- Face shield (optional).

B. Criteria for Use

Use Level B

1. When the type(s) and concentration(s) of hazardous substances are known to require the highest degree of respiratory protection; but a lower level of skin protection, i.e. in

   a) Atmospheres which are "immediately dangerous for life and health" (IDLH). Type(s) and concentration(s) of vapors in air do not present a hazard to the small, unprotected areas of the body.

   b) Atmospheres with concentrations of known substances greater than protection factors associated with full-face, "air purifying" respirators with appropriate cartridges.

   c) Atmospheres with less than 19.5 percent oxygen.

2. When a determination is made that potential exposure to the body parts not protected by a fully encapsulated suit (primarily neck, ears, etc.) is highly unlikely.

3. Total vapor levels range from 50 ppm-500 ppm on instruments such as a photo-ionization detector or organic vapor analyzer and the atmosphere does not contain suspected high levels of toxic substances affecting skin or eyes.

4. Normal drilling and sampling operations will cease if conditions are such that Level B protection would be required.

8.3 Level C - Level C protection should be selected when the types and concentrations of respirable materials are known, have adequate warning properties, or are reasonably assumed to be not greater than the protection factors associated with air-purifying respirators; and exposure to the few unprotected areas of the body (i.e., neck and back of head) is unlikely to cause harm. Continuous monitoring of site and/or individuals should be established.

A. Personnel Protective Equipment

- Half-face, or full-face, air-purifying respirator (OSHA/NIOSH approved).

- Chemical-resistant outer clothing.

- Gloves - inner (tight-fitting, chemical-resistant type or woven liners).

- Gloves -outer (chemical resistant).

- Hard hat (face shield optional).

- Boots - outer (chemical-protective).

- Safety glasses.

B. Criteria for Use

1. Site known to contain potentially hazardous materials resulting in air concentrations requiring a protection factor afforded by a full-face or half-face, air-purifying respirator (OSHA/NIOSH approved).

2. Well-documented, reliable history of site and patterns of prior entry.

3. No evidence to suspect acute or chronic toxicity to exposed skin.

4. Total vapor reading between 0 ppm and 50 ppm on instruments such as the photo-ionization detector or organic vapor analyzer.

   Continuous air or personnel monitoring should occur while wearing Level C protection.

8.4 Level D - Level D is the basic work uniform and should be worn for all site operations. Level D should be selected when performing environmental sampling involving dilute concentrations of contaminants on sites that have been characterized by previous analyses or research.

A. Personnel Protective Equipment

- Standard work clothing.

- Optional disposable chemical-resistant clothing appropriate for known or expected levels of contamination.

- Boots/Shoes - safety or chemical-resistant boots.

- Safety glasses or safety goggles available.

- Gloves - disposable latex or cotton.

- Optional moisture resistant outer gloves.

- Hard hat available for drilling operations.

B. Criteria for Use

1. No indication of airborne health hazards present.

2. No gross indication above background on the photo-ionization detector and/or organic vapor analyzer.

9.0 Medical Monitoring - All engineering and assessment personnel engaged in on-site activities shall be participants in a medical monitoring program similar to the following. As participants in this program, these individuals will have had recent physical examinations.

The primary goal of this medical monitoring program is to provide evaluation and ongoing surveillance of the health status of employees potentially exposed to toxic substances as a result of their work-related activities. An active health monitoring program for those employees potentially at risk is an important tool in evaluating the effects of chronic low-level exposures or acute exposures related to operations at hazardous waste sites. The effects of low-level exposures may not become apparent until years after the initial exposure.

This medical monitoring program includes laboratory testing, personnel medical history evaluation, physical examination, and specific systematic testing.

Each participant in this medical monitoring program undergoes a complete occupational history evaluation, and baseline physical examination including the following parameters:

- Pulmonary Function Studies

- Complete Blood Count

- Chemical Blood Profile

- Urinalysis
- Chest X-Ray
- Electrocardiogram
- Specific parameters as necessary dependent upon exposure.

Following the establishment of each participant's baseline values for the above parameters, an annual re-evaluation is conducted to monitor potential changes due to work with hazardous materials.

In addition to this annual re-examination, provisions are made for specific post-exposure examinations in the event of a suspected exposure during a particular field event.

The program shall meet or exceed the minimum requirements established in OSHA standard 20 CFR 1910.120.

F:\PROJECTS\G\G263\MCP\PHASE2-3-4\HASP\HSP-RSA.DOC