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ANALYTICAL REPORT

Job Number: 360-19413-1

Job Description: A 0308-7-03

For:
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Attention: Jeffery Thelen

Approved for release.
James T Wickham
Technology Manager
10/29/2008 11:22 AM

Designee for
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Project Manager II
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10/29/2008

The test results in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory.

TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY DOH 10843.

Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
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ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
360-J19413-1

Comments

GC/MS Semi VOA
Method 8270C LL: The surrogate Phenol-d5 recovered low and outside method control limits for samples MB, LCSD, 19413-1 through 3, 19413-6 and 7. All sample had percent recoveries of 10% or greater. Per method SOP, re-extraction is only required if two or more surrogates from any one fraction or any single surrogate falls below 10%.

Metals
Method 6020: The following samples were diluted due to the nature of the sample matrix which caused the Internal Standard Yttrium to recover high and out of method control limits: 19413-4 (5X) and 19413-7 (2X). Elevated reporting limits (RLs) are provided for Arsenic only.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-19413-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL WFD	SW846 8260B	
Purge and Trap	TAL WFD		SW846 5030B
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Sample Filtration, Field	TAL WFD		FIELD_FLTRD
Metals (ICP/MS)	TAL WFD	SW846 6020	
Sample Filtration, Field	TAL WFD		FIELD_FLTRD
Mercury (CVAA)	TAL WFD	SW846 7470A	
Sample Filtration, Field	TAL WFD		FIELD_FLTRD
Preparation, Mercury	TAL WFD		SW846 7470A
Hardness, Calculation	TAL WFD	SM SM 2340B	
Turbidity, Nephelometric	TAL WFD	MCAWW 180.1	
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
COD	TAL WFD	MCAWW 410.4	
Total Cyanide (Automated Colorimetric]	TAL WFD	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL WFD		SW846 9012A
Alkalinity	TAL WFD	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL WFD	SM SM 2540C	

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

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

SM = "Standard Methods For The Examination Of Water And Wastewater",

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: 360-19413-1

Method	Analyst	Analyst ID
SW846 8260B	Tester, Carla	CT
SW846 8260B	Weigel, Brian	BW
SW846 8270C	Zuccala, Marissa	MZ
SW846 6010B	Smith, Tim J	TJS
SW846 6020	Smith, Tim J	TJS
SW846 7470A	Nasiatka, Ellen M	EMN
SM SM 2340B	Smith, Tim J	TJS
MCAWW 180.1	Emerich, Rich W	RWE
MCAWW 300.0	Lalashius, Andrew L	ALL
MCAWW 410.4	Sadowski, Scott	SS
SW846 9012A	Lalashius, Andrew L	ALL
SM SM 2320B	Emerich, Rich W	RWE
SM SM 2540C	Sadowski, Scott	SS

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-19413-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-19413-1	Well # 5-89	Ground Water	10/16/2008 1245	10/16/2008 1550
360-19413-2	Well # 6-89	Ground Water	10/16/2008 1250	10/16/2008 1550
360-19413-3	Well # 2-03	Ground Water	10/16/2008 1340	10/16/2008 1550
360-19413-4	Well # 1-08	Ground Water	10/16/2008 1415	10/16/2008 1550
360-19413-5TB	Trip Blank	Water	10/16/2008 1125	10/16/2008 1550
360-19413-6	Well # 8-08	Ground Water	10/16/2008 1125	10/16/2008 1550
360-19413-7	Well # 9-08	Ground Water	10/16/2008 1140	10/16/2008 1550

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Job Number: 360-19413-1

Client Sample ID: Well # 5-89
Lab Sample ID: 360-19413-1

Date Sampled: 10/16/2008 1245
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	10/24/2008 0206		
Prep Method: 5030B			Date Prepared:	10/24/2008 0206		
Acetone	ND	*	ug/L	20	50	1.0
Bromobenzene	ND		ug/L	0.64	1.0	1.0
Benzene	ND		ug/L	0.74	1.0	1.0
Bromodichloromethane	ND		ug/L	0.63	1.0	1.0
Bromochloromethane	ND		ug/L	0.78	1.0	1.0
Bromoform	ND		ug/L	0.60	1.0	1.0
Bromomethane	ND	*	ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND		ug/L	10	10	1.0
Carbon tetrachloride	ND		ug/L	0.71	1.0	1.0
Chlorobenzene	ND		ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND		ug/L	0.50	0.50	1.0
Chloroethane	ND		ug/L	0.40	2.0	1.0
Chloroform	ND		ug/L	0.66	1.0	1.0
Chloromethane	ND		ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND		ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND		ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND		ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND		ug/L	0.60	1.0	1.0
Dibromomethane	ND		ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND		ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND		ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND		ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND		ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND		ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND		ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND	*	ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND		ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
Ethylbenzene	ND		ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND		ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND		ug/L	0.31	1.0	1.0
1,4-Dioxane	ND	*	ug/L	7.7	50	1.0
2-Hexanone	ND		ug/L	7.3	10	1.0
Hexachlorobutadiene	ND		ug/L	0.40	0.40	1.0
Isopropylbenzene	ND		ug/L	0.57	1.0	1.0

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Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND	ug/L	8.5	10	1.0
Methylene Chloride	ND	ug/L	1.0	2.0	1.0
n-Butylbenzene	ND	ug/L	0.59	1.0	1.0
N-Propylbenzene	ND	ug/L	0.70	1.0	1.0
Naphthalene	ND	ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND	ug/L	0.59	1.0	1.0
o-Xylene	ND	ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.67	1.0	1.0
Styrene	ND	ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.61	1.0	1.0
Tetrachloroethene	ND	ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1.0
Toluene	ND	ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.72	1.0	1.0
Trichloroethene	ND	ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.66	1.0	1.0
Vinyl chloride	ND	ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND	ug/L	0.63	1.0	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane	94	%		70 - 130	
Toluene-d8 (Surr)	95	%		70 - 130	
4-Bromofluorobenzene	89	%		70 - 130	
Tentatively Identified Compounds				Cas Number RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0
Method: 8270C			Date Analyzed:	10/24/2008 1540	
Prep Method: 3510C			Date Prepared:	10/23/2008 1104	
1,4-Dioxane	ND *	ug/L	0.11	1.0	1.0
Surrogate				Acceptance Limits	
2,4,6-Tribromophenol	70	%		15 - 110	
2-Fluorobiphenyl	61	%		30 - 130	
2-Fluorophenol	24	%		15 - 110	
Nitrobenzene-d5	75	%		30 - 130	

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Date Sampled: 10/16/2008 1245
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Phenol-d5	14	X	%		15 - 110	
Terphenyl-d14	61		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/17/2008 1317	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	190		ug/L	0.25	10	1.0
Cadmium	ND		ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	ND		ug/L	1.6	10	1.0
Iron	ND		ug/L	16	100	1.0
Manganese	21	B	ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	17	J	ug/L	2.9	50	1.0
Sodium	6800		ug/L	65	2000	1.0
Calcium	13000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1554	
Arsenic	ND		ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1310	
Prep Method: 7470A			Date Prepared:		10/17/2008 0932	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/17/2008 1317	
Hardness as calcium carbonate	56		mg/L	0.15	2.6	1.0

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Lab Sample ID: 360-19413-1

Date Sampled: 10/16/2008 1245
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 180.1		Date Analyzed:	10/17/2008 1258		
Turbidity	820	NTU	1.0	1.0	10
Method: 300.0		Date Analyzed:	10/17/2008 2234		
Nitrate as N	0.28	mg/L	0.050	0.050	1.0
Sulfate	ND	mg/L	2.0	2.0	1.0
Chloride	39	mg/L	1.0	1.0	1.0
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	56	mg/L	20	20	1.0
Method: 9012A		Date Analyzed:	10/27/2008 1502		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/17/2008 1332		
Alkalinity	8.7	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	110	mg/L	5.0	5.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 6-89
Lab Sample ID: 360-19413-2

Date Sampled: 10/16/2008 1250
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	10/24/2008 0227		
Prep Method: 5030B			Date Prepared:	10/24/2008 0227		
Acetone	ND	*	ug/L	20	50	1.0
Bromobenzene	ND		ug/L	0.64	1.0	1.0
Benzene	ND		ug/L	0.74	1.0	1.0
Bromodichloromethane	ND		ug/L	0.63	1.0	1.0
Bromochloromethane	ND		ug/L	0.78	1.0	1.0
Bromoform	ND		ug/L	0.60	1.0	1.0
Bromomethane	ND	*	ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND		ug/L	10	10	1.0
Carbon tetrachloride	ND		ug/L	0.71	1.0	1.0
Chlorobenzene	ND		ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND		ug/L	0.50	0.50	1.0
Chloroethane	ND		ug/L	0.40	2.0	1.0
Chloroform	ND		ug/L	0.66	1.0	1.0
Chloromethane	ND		ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND		ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND		ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND		ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND		ug/L	0.60	1.0	1.0
Dibromomethane	ND		ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND		ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND		ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND		ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND		ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND		ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND		ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND	*	ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND		ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
Ethylbenzene	ND		ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND		ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND		ug/L	0.31	1.0	1.0
1,4-Dioxane	ND	*	ug/L	7.7	50	1.0
2-Hexanone	ND		ug/L	7.3	10	1.0
Hexachlorobutadiene	ND		ug/L	0.40	0.40	1.0
Isopropylbenzene	ND		ug/L	0.57	1.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 6-89
Lab Sample ID: 360-19413-2

Date Sampled: 10/16/2008 1250
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND	ug/L	8.5	10	1.0
Methylene Chloride	ND	ug/L	1.0	2.0	1.0
n-Butylbenzene	ND	ug/L	0.59	1.0	1.0
N-Propylbenzene	ND	ug/L	0.70	1.0	1.0
Naphthalene	ND	ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND	ug/L	0.59	1.0	1.0
o-Xylene	ND	ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.67	1.0	1.0
Styrene	ND	ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.61	1.0	1.0
Tetrachloroethene	ND	ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1.0
Toluene	11	ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.72	1.0	1.0
Trichloroethene	ND	ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.66	1.0	1.0
Vinyl chloride	ND	ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND	ug/L	0.63	1.0	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane	95	%		70 - 130	
Toluene-d8 (Surr)	96	%		70 - 130	
4-Bromofluorobenzene	90	%		70 - 130	
Tentatively Identified Compounds				Cas Number RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0
Method: 8270C			Date Analyzed:	10/24/2008 1609	
Prep Method: 3510C			Date Prepared:	10/23/2008 1104	
1,4-Dioxane	ND *	ug/L	0.11	1.0	1.0
Surrogate				Acceptance Limits	
2,4,6-Tribromophenol	74	%		15 - 110	
2-Fluorobiphenyl	63	%		30 - 130	
2-Fluorophenol	24	%		15 - 110	
Nitrobenzene-d5	74	%		30 - 130	

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Job Number: 360-19413-1

Client Sample ID: Well # 6-89
Lab Sample ID: 360-19413-2

Date Sampled: 10/16/2008 1250
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Phenol-d5	14	X	%		15 - 110	
Terphenyl-d14	69		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/17/2008 1329	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	97		ug/L	0.25	10	1.0
Cadmium	ND		ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	ND		ug/L	1.6	10	1.0
Iron	3700		ug/L	16	100	1.0
Manganese	3600	B	ug/L	0.33	10	1.0
Selenium	3.9	J	ug/L	2.2	10	1.0
Zinc	14	J	ug/L	2.9	50	1.0
Sodium	23000		ug/L	65	2000	1.0
Calcium	9400		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1603	
Arsenic	0.55	J	ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1316	
Prep Method: 7470A			Date Prepared:		10/17/2008 0932	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/17/2008 1329	
Hardness as calcium carbonate	33		mg/L	0.15	2.6	1.0

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Date Sampled: 10/16/2008 1250
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 180.1		Date Analyzed:	10/17/2008 1300		
Turbidity	430	NTU	0.50	0.50	5.0
Method: 300.0		Date Analyzed:	10/17/2008 2305		
Nitrate as N	ND	mg/L	0.050	0.050	1.0
Sulfate	3.8	mg/L	2.0	2.0	1.0
Chloride	48	mg/L	1.0	1.0	1.0
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	52	mg/L	40	40	2.0
Method: 9012A		Date Analyzed:	10/27/2008 1503		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/17/2008 1336		
Alkalinity	21	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	120	mg/L	5.0	5.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 2-03
Lab Sample ID: 360-19413-3

Date Sampled: 10/16/2008 1340
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	10/24/2008 0246		
Prep Method: 5030B			Date Prepared:	10/24/2008 0246		
Acetone	ND	*	ug/L	20	50	1.0
Bromobenzene	ND		ug/L	0.64	1.0	1.0
Benzene	ND		ug/L	0.74	1.0	1.0
Bromodichloromethane	ND		ug/L	0.63	1.0	1.0
Bromochloromethane	ND		ug/L	0.78	1.0	1.0
Bromoform	ND		ug/L	0.60	1.0	1.0
Bromomethane	ND	*	ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND		ug/L	10	10	1.0
Carbon tetrachloride	ND		ug/L	0.71	1.0	1.0
Chlorobenzene	ND		ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND		ug/L	0.50	0.50	1.0
Chloroethane	ND		ug/L	0.40	2.0	1.0
Chloroform	ND		ug/L	0.66	1.0	1.0
Chloromethane	ND		ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND		ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND		ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND		ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND		ug/L	0.60	1.0	1.0
Dibromomethane	ND		ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND		ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND		ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND		ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND		ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND		ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND		ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND	*	ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND		ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
Ethylbenzene	ND		ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND		ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND		ug/L	0.31	1.0	1.0
1,4-Dioxane	ND	*	ug/L	7.7	50	1.0
2-Hexanone	ND		ug/L	7.3	10	1.0
Hexachlorobutadiene	ND		ug/L	0.40	0.40	1.0
Isopropylbenzene	ND		ug/L	0.57	1.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 2-03
Lab Sample ID: 360-19413-3

Date Sampled: 10/16/2008 1340
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND	ug/L	8.5	10	1.0
Methylene Chloride	ND	ug/L	1.0	2.0	1.0
n-Butylbenzene	ND	ug/L	0.59	1.0	1.0
N-Propylbenzene	ND	ug/L	0.70	1.0	1.0
Naphthalene	ND	ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND	ug/L	0.59	1.0	1.0
o-Xylene	ND	ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.67	1.0	1.0
Styrene	ND	ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.61	1.0	1.0
Tetrachloroethene	ND	ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1.0
Toluene	ND	ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.72	1.0	1.0
Trichloroethene	ND	ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.66	1.0	1.0
Vinyl chloride	ND	ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND	ug/L	0.63	1.0	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane	96	%		70 - 130	
Toluene-d8 (Surr)	95	%		70 - 130	
4-Bromofluorobenzene	90	%		70 - 130	
Tentatively Identified Compounds				Cas Number RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0
Method: 8270C			Date Analyzed:	10/24/2008 1638	
Prep Method: 3510C			Date Prepared:	10/23/2008 1104	
1,4-Dioxane	ND *	ug/L	0.11	1.0	1.0
Surrogate				Acceptance Limits	
2,4,6-Tribromophenol	68	%		15 - 110	
2-Fluorobiphenyl	61	%		30 - 130	
2-Fluorophenol	23	%		15 - 110	
Nitrobenzene-d5	75	%		30 - 130	

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Job Number: 360-19413-1

Client Sample ID: Well # 2-03
Lab Sample ID: 360-19413-3

Date Sampled: 10/16/2008 1340
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Phenol-d5	13	X	%		15 - 110	
Terphenyl-d14	61		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/17/2008 1332	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	99		ug/L	0.25	10	1.0
Cadmium	ND		ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	3.9	J	ug/L	1.6	10	1.0
Iron	ND		ug/L	16	100	1.0
Manganese	31	B	ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	18	J	ug/L	2.9	50	1.0
Sodium	45000		ug/L	65	2000	1.0
Calcium	13000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1610	
Arsenic	ND		ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1318	
Prep Method: 7470A			Date Prepared:		10/17/2008 0932	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/17/2008 1332	
Hardness as calcium carbonate	48		mg/L	0.15	2.6	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 2-03
Lab Sample ID: 360-19413-3

Date Sampled: 10/16/2008 1340
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 180.1		Date Analyzed:	10/17/2008 1301		
Turbidity	6900	NTU	10	10	100
Method: 300.0		Date Analyzed:	10/18/2008 0005		
Nitrate as N	2.0	mg/L	0.050	0.050	1.0
Sulfate	18	mg/L	2.0	2.0	1.0
Method: 300.0		Date Analyzed:	10/18/2008 0020		
Chloride	70	mg/L	10	10	10
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	540	mg/L	100	100	5.0
Method: 9012A		Date Analyzed:	10/27/2008 1506		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/17/2008 1342		
Alkalinity	14	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	170	mg/L	5.0	5.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 1-08
Lab Sample ID: 360-19413-4

Date Sampled: 10/16/2008 1415
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	10/24/2008 1414		
Prep Method: 5030B		Date Prepared:	10/24/2008 1414		
Acetone	ND	ug/L	20	50	1.0
Bromobenzene	ND	ug/L	0.64	1.0	1.0
Benzene	ND	ug/L	0.74	1.0	1.0
Bromodichloromethane	ND	ug/L	0.63	1.0	1.0
Bromochloromethane	ND	ug/L	0.78	1.0	1.0
Bromoform	ND	ug/L	0.60	1.0	1.0
Bromomethane	ND	ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND	ug/L	10	10	1.0
Carbon tetrachloride	ND	ug/L	0.71	1.0	1.0
Chlorobenzene	ND	ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND	ug/L	0.50	0.50	1.0
Chloroethane	ND	ug/L	0.40	2.0	1.0
Chloroform	ND	ug/L	0.66	1.0	1.0
Chloromethane	ND	ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND	ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND	ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND	ug/L	0.60	1.0	1.0
Dibromomethane	ND	ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND	ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND	ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND	ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND	ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND	ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND	ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND	ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND	ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND	ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND	ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND	ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND	ug/L	0.40	0.40	1.0
Ethylbenzene	ND	ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND	ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND	ug/L	0.31	1.0	1.0
1,4-Dioxane	ND	ug/L	7.7	50	1.0
2-Hexanone	ND	ug/L	7.3	10	1.0
Hexachlorobutadiene	ND	ug/L	0.40	0.40	1.0
Isopropylbenzene	ND	ug/L	0.57	1.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 1-08
Lab Sample ID: 360-19413-4

Date Sampled: 10/16/2008 1415
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND	ug/L	8.5	10	1.0
Methylene Chloride	ND	ug/L	1.0	2.0	1.0
n-Butylbenzene	ND	ug/L	0.59	1.0	1.0
N-Propylbenzene	ND	ug/L	0.70	1.0	1.0
Naphthalene	ND	ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND	ug/L	0.59	1.0	1.0
o-Xylene	ND	ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.67	1.0	1.0
Styrene	ND	ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.61	1.0	1.0
Tetrachloroethene	ND	ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1.0
Toluene	ND	ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.72	1.0	1.0
Trichloroethene	ND	ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.66	1.0	1.0
Vinyl chloride	ND	ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND	ug/L	0.63	1.0	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane	95	%		70 - 130	
Toluene-d8 (Surr)	99	%		70 - 130	
4-Bromofluorobenzene	93	%		70 - 130	
Tentatively Identified Compounds				Cas Number RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0
Method: 8270C			Date Analyzed:	10/24/2008 1706	
Prep Method: 3510C			Date Prepared:	10/23/2008 1104	
1,4-Dioxane	ND *	ug/L	0.11	1.0	1.0
Surrogate				Acceptance Limits	
2,4,6-Tribromophenol	70	%		15 - 110	
2-Fluorobiphenyl	59	%		30 - 130	
2-Fluorophenol	25	%		15 - 110	
Nitrobenzene-d5	72	%		30 - 130	

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Job Number: 360-19413-1

Client Sample ID: Well # 1-08
Lab Sample ID: 360-19413-4

Date Sampled: 10/16/2008 1415
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Phenol-d5	15		%		15 - 110	
Terphenyl-d14	55		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/17/2008 1335	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	110		ug/L	0.25	10	1.0
Cadmium	ND		ug/L	0.18	1.0	1.0
Chromium	1.6	J B	ug/L	0.17	5.0	1.0
Copper	7.5	J	ug/L	1.6	10	1.0
Iron	480		ug/L	16	100	1.0
Manganese	200	B	ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	35	J	ug/L	2.9	50	1.0
Sodium	49000		ug/L	65	2000	1.0
Calcium	10000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1613	
Lead	18		ug/L	0.29	1.0	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1623	
Arsenic	ND		ug/L	2.0	5.0	5.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1319	
Prep Method: 7470A			Date Prepared:		10/17/2008 0932	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/17/2008 1335	
Hardness as calcium carbonate	33		mg/L	0.15	2.6	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 1-08
Lab Sample ID: 360-19413-4

Date Sampled: 10/16/2008 1415
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 180.1		Date Analyzed:	10/17/2008 1302		
Turbidity	19000	NTU	5.0	5.0	50
Method: 300.0		Date Analyzed:	10/18/2008 0035		
Nitrate as N	0.50	mg/L	0.050	0.050	1.0
Sulfate	14	mg/L	2.0	2.0	1.0
Method: 300.0		Date Analyzed:	10/18/2008 0050		
Chloride	62	mg/L	10	10	10
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	2100	mg/L	400	400	20
Method: 9012A		Date Analyzed:	10/27/2008 1507		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/17/2008 1346		
Alkalinity	31	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	24	mg/L	5.0	5.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Trip Blank
Lab Sample ID: 360-19413-5

Date Sampled: 10/16/2008 1125
Date Received: 10/16/2008 1550
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B		Date Analyzed:	10/24/2008 1435		
Prep Method: 5030B		Date Prepared:	10/24/2008 1435		
Acetone	ND	ug/L	20	50	1.0
Bromobenzene	ND	ug/L	0.64	1.0	1.0
Benzene	ND	ug/L	0.74	1.0	1.0
Bromodichloromethane	ND	ug/L	0.63	1.0	1.0
Bromochloromethane	ND	ug/L	0.78	1.0	1.0
Bromoform	ND	ug/L	0.60	1.0	1.0
Bromomethane	ND	ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND	ug/L	10	10	1.0
Carbon tetrachloride	ND	ug/L	0.71	1.0	1.0
Chlorobenzene	ND	ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND	ug/L	0.50	0.50	1.0
Chloroethane	ND	ug/L	0.40	2.0	1.0
Chloroform	ND	ug/L	0.66	1.0	1.0
Chloromethane	ND	ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND	ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND	ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND	ug/L	0.60	1.0	1.0
Dibromomethane	ND	ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND	ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND	ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND	ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND	ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND	ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND	ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND	ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND	ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND	ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND	ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND	ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND	ug/L	0.40	0.40	1.0
Ethylbenzene	ND	ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND	ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND	ug/L	0.31	1.0	1.0
1,4-Dioxane	ND	ug/L	7.7	50	1.0
2-Hexanone	ND	ug/L	7.3	10	1.0
Hexachlorobutadiene	ND	ug/L	0.40	0.40	1.0
Isopropylbenzene	ND	ug/L	0.57	1.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Trip Blank
Lab Sample ID: 360-19413-5

Date Sampled: 10/16/2008 1125
Date Received: 10/16/2008 1550
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND	ug/L	8.5	10	1.0
Methylene Chloride	ND	ug/L	1.0	2.0	1.0
n-Butylbenzene	ND	ug/L	0.59	1.0	1.0
N-Propylbenzene	ND	ug/L	0.70	1.0	1.0
Naphthalene	ND	ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND	ug/L	0.59	1.0	1.0
o-Xylene	ND	ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.67	1.0	1.0
Styrene	ND	ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.61	1.0	1.0
Tetrachloroethene	ND	ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1.0
Toluene	ND	ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.72	1.0	1.0
Trichloroethene	ND	ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.66	1.0	1.0
Vinyl chloride	ND	ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND	ug/L	0.63	1.0	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane	94	%		70 - 130	
Toluene-d8 (Surr)	99	%		70 - 130	
4-Bromofluorobenzene	90	%		70 - 130	
Tentatively Identified Compounds			Cas Number	RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 8-08
Lab Sample ID: 360-19413-6

Date Sampled: 10/16/2008 1125
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	10/24/2008 1457		
Prep Method: 5030B			Date Prepared:	10/24/2008 1457		
Acetone	ND		ug/L	20	50	1.0
Bromobenzene	ND		ug/L	0.64	1.0	1.0
Benzene	ND		ug/L	0.74	1.0	1.0
Bromodichloromethane	ND		ug/L	0.63	1.0	1.0
Bromochloromethane	ND		ug/L	0.78	1.0	1.0
Bromoform	ND		ug/L	0.60	1.0	1.0
Bromomethane	ND		ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND		ug/L	10	10	1.0
Carbon tetrachloride	ND		ug/L	0.71	1.0	1.0
Chlorobenzene	ND		ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND		ug/L	0.50	0.50	1.0
Chloroethane	ND		ug/L	0.40	2.0	1.0
Chloroform	ND		ug/L	0.66	1.0	1.0
Chloromethane	0.32	J	ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND		ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND		ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND		ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND		ug/L	0.60	1.0	1.0
Dibromomethane	ND		ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND		ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND		ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND		ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND		ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND		ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND		ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND		ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND		ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND		ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND		ug/L	0.40	0.40	1.0
Ethylbenzene	ND		ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND		ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND		ug/L	0.31	1.0	1.0
1,4-Dioxane	ND		ug/L	7.7	50	1.0
2-Hexanone	ND		ug/L	7.3	10	1.0
Hexachlorobutadiene	ND		ug/L	0.40	0.40	1.0
Isopropylbenzene	ND		ug/L	0.57	1.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 8-08
Lab Sample ID: 360-19413-6

Date Sampled: 10/16/2008 1125
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND	ug/L	8.5	10	1.0
Methylene Chloride	ND	ug/L	1.0	2.0	1.0
n-Butylbenzene	ND	ug/L	0.59	1.0	1.0
N-Propylbenzene	ND	ug/L	0.70	1.0	1.0
Naphthalene	ND	ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND	ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND	ug/L	0.59	1.0	1.0
o-Xylene	ND	ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND	ug/L	0.67	1.0	1.0
Styrene	ND	ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND	ug/L	0.61	1.0	1.0
Tetrachloroethene	ND	ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND	ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.50	1.0
Toluene	ND	ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND	ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND	ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND	ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND	ug/L	0.72	1.0	1.0
Trichloroethene	ND	ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND	ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND	ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND	ug/L	0.66	1.0	1.0
Vinyl chloride	ND	ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND	ug/L	0.63	1.0	1.0
Surrogate				Acceptance Limits	
Dibromofluoromethane	95	%		70 - 130	
Toluene-d8 (Surr)	96	%		70 - 130	
4-Bromofluorobenzene	90	%		70 - 130	
Tentatively Identified Compounds				Cas Number RT	
Tentatively Identified Compound	None	ug/L		0.00	1.0
Method: 8270C			Date Analyzed:	10/24/2008 1735	
Prep Method: 3510C			Date Prepared:	10/23/2008 1104	
1,4-Dioxane	ND *	ug/L	0.11	1.0	1.0
Surrogate				Acceptance Limits	
2,4,6-Tribromophenol	60	%		15 - 110	
2-Fluorobiphenyl	57	%		30 - 130	
2-Fluorophenol	22	%		15 - 110	
Nitrobenzene-d5	73	%		30 - 130	

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Job Number: 360-19413-1

Client Sample ID: Well # 8-08
Lab Sample ID: 360-19413-6

Date Sampled: 10/16/2008 1125
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Phenol-d5	13	X	%		15 - 110	
Terphenyl-d14	53		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/17/2008 1337	
Silver	0.91	J B	ug/L	0.86	5.0	1.0
Barium	210		ug/L	0.25	10	1.0
Cadmium	0.22	J	ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	ND		ug/L	1.6	10	1.0
Iron	1300		ug/L	16	100	1.0
Manganese	3500	B	ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	14	J	ug/L	2.9	50	1.0
Sodium	87000		ug/L	65	2000	1.0
Calcium	25000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1615	
Arsenic	0.69	J	ug/L	0.40	1.0	1.0
Lead	0.33	J	ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1321	
Prep Method: 7470A			Date Prepared:		10/17/2008 0932	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/17/2008 1337	
Hardness as calcium carbonate	92		mg/L	0.15	2.6	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 8-08
Lab Sample ID: 360-19413-6

Date Sampled: 10/16/2008 1125
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 180.1		Date Analyzed:	10/17/2008 1303		
Turbidity	4200	NTU	1.0	1.0	10
Method: 300.0		Date Analyzed:	10/18/2008 0105		
Nitrate as N	2.1	mg/L	0.050	0.050	1.0
Sulfate	12	mg/L	2.0	2.0	1.0
Method: 300.0		Date Analyzed:	10/18/2008 0121		
Chloride	170	mg/L	10	10	10
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	120	mg/L	40	40	2.0
Method: 9012A		Date Analyzed:	10/27/2008 1508		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/17/2008 1351		
Alkalinity	37	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	360	mg/L	5.0	5.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 9-08
Lab Sample ID: 360-19413-7

Date Sampled: 10/16/2008 1140
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 8260B			Date Analyzed:	10/24/2008 1519	
Prep Method: 5030B			Date Prepared:	10/24/2008 1519	
Acetone	ND	ug/L	20	50	1.0
Bromobenzene	ND	ug/L	0.64	1.0	1.0
Benzene	ND	ug/L	0.74	1.0	1.0
Bromodichloromethane	ND	ug/L	0.63	1.0	1.0
Bromochloromethane	ND	ug/L	0.78	1.0	1.0
Bromoform	ND	ug/L	0.60	1.0	1.0
Bromomethane	ND	ug/L	0.28	2.0	1.0
Methyl Ethyl Ketone	ND	ug/L	10	10	1.0
Carbon tetrachloride	ND	ug/L	0.71	1.0	1.0
Chlorobenzene	ND	ug/L	0.65	1.0	1.0
Chlorodibromomethane	ND	ug/L	0.50	0.50	1.0
Chloroethane	ND	ug/L	0.40	2.0	1.0
Chloroform	ND	ug/L	0.66	1.0	1.0
Chloromethane	ND	ug/L	0.30	2.0	1.0
2-Chlorotoluene	ND	ug/L	0.65	1.0	1.0
4-Chlorotoluene	ND	ug/L	0.62	1.0	1.0
cis-1,2-Dichloroethene	ND	ug/L	0.65	1.0	1.0
trans-1,2-Dichloroethene	ND	ug/L	0.60	1.0	1.0
Dibromomethane	ND	ug/L	0.65	1.0	1.0
1,2-Dibromo-3-Chloropropane	ND	ug/L	0.58	5.0	1.0
1,2-Dichlorobenzene	ND	ug/L	0.62	1.0	1.0
1,3-Dichlorobenzene	ND	ug/L	0.64	1.0	1.0
1,4-Dichlorobenzene	ND	ug/L	0.62	1.0	1.0
1,1-Dichloroethane	ND	ug/L	0.67	1.0	1.0
1,1-Dichloroethene	ND	ug/L	0.64	1.0	1.0
1,2-Dichloroethane	ND	ug/L	0.62	1.0	1.0
1,2-Dichloropropane	ND	ug/L	0.51	1.0	1.0
1,3-Dichloropropane	ND	ug/L	0.57	1.0	1.0
2,2-Dichloropropane	ND	ug/L	0.60	1.0	1.0
1,1-Dichloropropene	ND	ug/L	0.68	1.0	1.0
cis-1,3-Dichloropropene	ND	ug/L	0.40	0.40	1.0
trans-1,3-Dichloropropene	ND	ug/L	0.40	0.40	1.0
Ethylbenzene	ND	ug/L	0.67	1.0	1.0
Ethylene Dibromide	ND	ug/L	0.54	1.0	1.0
Trichlorofluoromethane	ND	ug/L	0.31	1.0	1.0
1,4-Dioxane	ND	ug/L	7.7	50	1.0
2-Hexanone	ND	ug/L	7.3	10	1.0
Hexachlorobutadiene	ND	ug/L	0.40	0.40	1.0
Isopropylbenzene	ND	ug/L	0.57	1.0	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 9-08
Lab Sample ID: 360-19413-7

Date Sampled: 10/16/2008 1140
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
methyl isobutyl ketone	ND		ug/L	8.5	10	1.0
Methylene Chloride	ND		ug/L	1.0	2.0	1.0
n-Butylbenzene	ND		ug/L	0.59	1.0	1.0
N-Propylbenzene	ND		ug/L	0.70	1.0	1.0
Naphthalene	ND		ug/L	2.0	5.0	1.0
m-Xylene & p-Xylene	ND		ug/L	1.4	2.0	1.0
p-Isopropyltoluene	ND		ug/L	0.59	1.0	1.0
o-Xylene	ND		ug/L	0.54	1.0	1.0
sec-Butylbenzene	ND		ug/L	0.67	1.0	1.0
Styrene	ND		ug/L	0.60	1.0	1.0
tert-Butylbenzene	ND		ug/L	0.61	1.0	1.0
Tetrachloroethene	ND		ug/L	0.48	1.0	1.0
1,1,1,2-Tetrachloroethane	ND		ug/L	0.61	1.0	1.0
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1.0
Toluene	ND		ug/L	0.56	1.0	1.0
1,2,3-Trichlorobenzene	ND		ug/L	0.42	1.0	1.0
1,2,4-Trichlorobenzene	ND		ug/L	0.34	1.0	1.0
1,1,1-Trichloroethane	ND		ug/L	0.70	1.0	1.0
1,1,2-Trichloroethane	ND		ug/L	0.72	1.0	1.0
Trichloroethene	ND		ug/L	0.59	1.0	1.0
1,2,3-Trichloropropane	ND		ug/L	0.65	1.0	1.0
1,2,4-Trimethylbenzene	ND		ug/L	0.70	1.0	1.0
1,3,5-Trimethylbenzene	ND		ug/L	0.66	1.0	1.0
Vinyl chloride	ND		ug/L	0.46	0.50	1.0
Methyl tert-butyl ether	ND		ug/L	0.63	1.0	1.0
Surrogate					Acceptance Limits	
Dibromofluoromethane	94		%		70 - 130	
Toluene-d8 (Surr)	96		%		70 - 130	
4-Bromofluorobenzene	89		%		70 - 130	
Tentatively Identified Compounds				Cas Number	RT	
Dichlorodifluoromethane	0.27	J *	ug/L	75-71-8	1.74	1.0
Tentatively Identified Compound	None		ug/L		0.00	1.0
Method: 8270C			Date Analyzed:	10/24/2008 1803		
Prep Method: 3510C			Date Prepared:	10/23/2008 1104		
1,4-Dioxane	ND	*	ug/L	0.11	1.0	1.0
Surrogate					Acceptance Limits	
2,4,6-Tribromophenol	63		%		15 - 110	
2-Fluorobiphenyl	57		%		30 - 130	
2-Fluorophenol	23		%		15 - 110	

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Job Number: 360-19413-1

Client Sample ID: Well # 9-08
Lab Sample ID: 360-19413-7

Date Sampled: 10/16/2008 1140
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Surrogate					Acceptance Limits	
Nitrobenzene-d5	66		%		30 - 130	
Phenol-d5	13	X	%		15 - 110	
Terphenyl-d14	68		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/17/2008 1340	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	230		ug/L	0.25	10	1.0
Cadmium	0.34	J	ug/L	0.18	1.0	1.0
Chromium	0.28	J B	ug/L	0.17	5.0	1.0
Copper	1.9	J	ug/L	1.6	10	1.0
Iron	13000		ug/L	16	100	1.0
Manganese	560	B	ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	21	J	ug/L	2.9	50	1.0
Sodium	13000		ug/L	65	2000	1.0
Calcium	17000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1617	
Lead	3.1		ug/L	0.29	1.0	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1625	
Arsenic	0.96	J	ug/L	0.79	2.0	2.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1324	
Prep Method: 7470A			Date Prepared:		10/17/2008 0932	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/17/2008 1340	
Hardness as calcium carbonate	62		mg/L	0.15	2.6	1.0

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Job Number: 360-19413-1

Client Sample ID: Well # 9-08
Lab Sample ID: 360-19413-7

Date Sampled: 10/16/2008 1140
Date Received: 10/16/2008 1550
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 180.1		Date Analyzed:	10/17/2008 1304		
Turbidity	2000	NTU	1.0	1.0	10
Method: 300.0		Date Analyzed:	10/18/2008 0136		
Nitrate as N	ND	mg/L	0.050	0.050	1.0
Sulfate	19	mg/L	2.0	2.0	1.0
Chloride	16	mg/L	1.0	1.0	1.0
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	120	mg/L	40	40	2.0
Method: 9012A		Date Analyzed:	10/27/2008 1509		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/17/2008 1356		
Alkalinity	56	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	100	mg/L	5.0	5.0	1.0

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-19413-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	*	RPD of the LCS and LCSD exceeds the control limits
	X	Surrogate exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-19413-1

Login Number: 19413
List Source: TestAmerica Westfield
Creator: Rinard, Kimberley A
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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.	True	2.6 C / 1.8 C / 4.8 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. Job Number: A-308
53 Southampton Rd, Westfield, MA 01085 Sampling Location: OLD AMHERST L.F.
Contact: JJT
Collected By: AmCm Well No.: WELL # 8-08
Date: 10/16/08 Time Collected: 1125
Weather Cloudy 60°F

Water Table

Diameter of Well 2 inches
Well Depth (from top of PVC standpipe) 19.13'
Depth of Water Table (from top of PVC standpipe) 8.09'
Length of Water Column 10.04 feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 5.1204 Volume Purged 5 GAL
(please check)

Purging Method:
Submersible pump ____ Teflon Bailer X Other (explain) ____

Sampling Method:
Type of Bailer: Teflon X 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	—	Time Analyzed
5 GAL	6.50	686	15.48	3.01	—	1128

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2
AMBER LITER	2	4.0°C	1,4 DIOXANE	

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size
Date: 10-16-08 Time: 1128 By: CM & Type: 0.45 micron Gelman

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C;
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

70

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Weather: Cloudy 60°F

Job Number: A-308
Sampling Location: OLD AMHERST Ln.
Well No.: WELL # 9-08
Date: 10/16/08
Time Collected: 1140

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 132.02'
Depth of Water Table (from top of PVC standpipe): 8.21'
Length of Water Column: 123.81 feet

Purge Volume: LWC x (0.17) / 0.38 / 0.08 (circle one) x 3 = 63.1431 Volume Purged 63 GAL

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

Sampling Method:
Type of Bailer: Teflon X 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	—	Time Analyzed
63 Gal	6.56	220	13.20	1.69	—	1143

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2
AMBER LITER	2	4.0°C	1,4 DIOXANE	—

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size & Type: 0.45 micron Gelman

Date: 10/16/08 Time: 1143 By: AM/CM

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

71

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Job Number: A-308
Sampling Location: Amherst LP
Contact: JJT
Collected By: AM/CM
Well No.: well H 5-89
Date: 10/16/08
Time Collected: 1245
Weather: Showers 60°F

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 70.81'
Depth of Water Table (from top of PVC standpipe): 64.16'
Length of Water Column: 6.65' feet

Purge Volume: LWC x (0.17) / 0.38 / 0.08 (circle one) x 3 = 3.3915 Volume Purged 3.4 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	—	Time Analyzed
	5.81	168	13.52	5.73	✓	1249

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2
AMBER LITER	2	4.0°C	1,4 DIOXANE	—

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size & Type: 0.45 micron Gelman

Date: 10/16/08 Time: 1249 By: CM

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

72

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Date: 10/16/08
Weather: Showers 60°F

Job Number: A308
Sampling Location: Old Amherst LF
Well No.: Well #6-89
Time Collected: 1250

Water Table

Diameter of Well	2 inches
Well Depth (from top of PVC standpipe)	108.28'
Depth of Water Table (from top of PVC standpipe)	44.55'
Length of Water Column	63.73' feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 33.5023 Volume Purged 33.5 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	—	Time Analyzed
33.5 GAL	6.08	230	11.57	2.35	—	1300

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2
AMBER LITER	2	4.0°	1,4 DIOXANE	—

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size & Type: 0.45 micron Gelman

Date: 10/16/08 Time: 1308 By: AM

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

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SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Weather: Showers 60°F

Job Number: A-308
Sampling Location: Old Amherst LF
Well No.: #2-03
Date: 10/16/08
Time Collected: 1340

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 20.09'
Depth of Water Table (from top of PVC standpipe): 11.81'
Length of Water Column: 8.28' feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 4.2228 Volume Purged 4.2 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	–	Time Analyzed
9.25 gallons	5.79	337	15.59	3.56	–	1343

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2
Amber Liter	2	4°C	1,4-Dioxane	–

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

Date: 10/16/08 Time: 1343 By: AM/CM Filter Pore Size & Type: 0.45 micron Gelman

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

74

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Job Number: A-308
Sampling Location: Old Amherst LF.
Well No.: # 1-08
Date: 10/16/08
Time Collected: 1415
Weather: Showers 60's F

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 19.86'
Depth of Water Table (from top of PVC standpipe): 12.36
Length of Water Column: 7.50' feet

Purge Volume: LWC x 0.17 / 0.38 / 0.08 (circle one) x 3 = 3.8250 Volume Purged 3.8 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	—	Time Analyzed
3.8 gallons	5.85	304	15.41	2.09	—	1418

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2
Amber Liter	2	4.0°	1,4-Dioxane	—

If sample was taken for dissolved metals, were these samples field filtered? Yes
Filter Pore Size
Date: 10/16/08 Time: 1418 By: AM/CM & Type: 0.45 micron Gelman

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

75

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

53 Southampton Road
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(F) 413-572-3707

148 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871

36019413

Job#: | Quote#: | PO#:

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

Job#: A 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
well #5-89	GW	CM	10/16/08 1245	X										X												1
well #5-89	GW	CM		X		1	P							X										2		
well #5-89	GW	CM		X		1	P			X														3		
well #5-89	GW	CM		X		1	P					X														4
well #5-89	GW	CM		X		1	P		X														5			
well #5-89	GW	CM		X		4	G				X					6										
well #5-89	GW	CM		X		2	G							X			7									

Sampled by (print): Charlie Moon
Signature: Charlie Moon

Relinquished by: [signature] Date: 10/16/08 Time: 1550
Received by: [signature] Date: 10/16/08 Time: 1550

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

Method of shipment: TestAmerica Laboratories

Cooler # [illegible]
Temp @ receipt [illegible]
Preservation/pH checked
By [illegible] Date: 10/16/08

Page 1 of 1 1/6

Q:/qaqc/dcontrol/SMF00500.MA

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THE LEADER IN ENVIRONMENTAL TESTING

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148 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871

Job# | Quote# | PO#

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

Job#: A 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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	Filtered	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
well #6-89	GW	AM	10/16/08 1250	X										X												1
well #6-89	GW	AM		X		1	P							X										2		
well #6-89	GW	AM		X		1	P			X														3		
well #6-89	GW	AM		X		1	P					X														4
well #6-89	GW	AM		X		1	P		X														5			
well #6-89	GW	AM		X		4	G				X					6										
well #6-89	GW	AM		X		2	G							X			7									

Sampled by (print): Adam Marshall
Signature:

Relinquished by: Date: 10/16/08 Time: 1550
Received by: Date: 10/16/08 Time: 1550

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

Method of shipment: TestAmerica Laboratories

Cooler: 1 of 1
Temp@ receip: 2.6 c
Preservation pH checked
By: Date: 10/16/08

Q:/qaqc/dcontrol/SMF00500.MA

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360 19413

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•148 Rangeway Road
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(P) 978-667-1400
(F) 978-667-7871

Job# | Quote | PO

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

Job#: A 0308-7-03
Project Manager:
Work ID: Old Amherst LF
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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
well #2-03	GW	CM	10/16/08 1340	X										X												1
well #2-03	GW	CM		X		1	P							X										2		
well #2-03	GW	CM		X		1	P			X														3		
well #2-03	GW	CM		X		1	P					X														4
well #2-03	GW	CM		X		1	P		X														5			
well #2-03	GW	CM		X		4	G				X					6										
well #2-03	GW	CM		X		2	G							X			7									

Sampled by (print): Charlie Moon
Signature: Charlie Moon

Relinquished by: Date: 10/16/08 Time: 1550
Received by: Date: 10/16/08 Time: 1550

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

Method of shipment: TestAmerica Laboratories

Cooler: ____ °C
Temp @ receipt: 2.6 1.3 4.8
Preservation pH checked
By: ____ Date: 10/16/08

Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360-19413

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148 Rangeway Road
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(P) 978-667-1400
(F) 978-667-7871

Job#: Quote#: PO#:

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

Job#: A 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
Well #1-08	GW	CM	10/16/08 1415	X										X												1
Well #1-08	GW	CM		X		1	P							X										2		
Well #1-08	GW	CM		X		1	P			X														3		
Well #1-08	GW	CM		X		1	P					X														4
Well #1-08	GW	CM		X		1	P		X														5			
Well #1-08	GW	CM		X		4	G				X					6										
Well #1-08	GW	CM		X		2	G							X			7									
Trip Blank	LW	AM		X		2	G				X					6										

Sampled by (print): Charlie Moon
Signature: Charlie Moon

Relinquished by: [signature] Date: 10/16/08 Time: 1550
Received by: [signature] Date: 10/16/08 Time: 1550

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

Method of shipment: TestAmerica Laboratories

Cooler # yes + ice
Temp @ receipt 26°C/18°C/48°C
Preservation/pH checked:
By [initials] Date: 10/16/08

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Q:/qaqc/dcontrol/SMF00500.MA

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TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360 19413

53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707

148 Rangeway Road
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 0308-7-03
Project Manager:
Work ID: **Old Amherst LF**
Contact: **Jeff Thelen**

Job# Quote# PO#

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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	Other	Volatiles	Semivolatiles	PCB & Pesticides	EPH	VPH	DRO/GRO (circle)	Oil & Grease	Metals	General Chemistry	Bacteriological	Other
well # 8-08	GW	CM	10/16/08 1125	X										X												1
well # 8-08	GW	CM		X		1	P							X										2		
well # 8-08	GW	CM		X		1	P			X														3		
well # 8-08	GW	CM		X		1	P					X														4
well # 8-08	GW	CM		X		1	P		X														5			
well # 8-08	GW	CM		X		4	G				X					6										
well # 8-08	GW	CM		X		2	G							X			7									

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Sampled by (print): Charlie Moon
Signature: Charlie Moon

Relinquished by: Date: 10/16/08 Time: 1550
Received by: Date: 10/16/08 Time: 1550

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

Method of shipment: **TestAmerica Laboratories**

Cooler # 165 ; 4.6
Temp @ Rec'd: 2.0 / 1.8 / 2.6 / 1.8
Preservation pH checked
BY: Tim Date: 10/17/08

Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360 19413

53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707

148 Rangeway Road
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 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

Job#: Quote: PO#:

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. VOA 8260 + MEK,MIBK,Acetone; Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
well #9-08	GW	AM	10/16/08 1140	X										X												1
well #9-08	GW	AM		X		1	P							X										2		
well #9-08	GW	AM		X		1	P			X														3		
well #9-08	GW	AM		X		1	P					X														4
well #9-08	GW	AM		X		1	P		X														5			
well #9-08	GW	AM		X		4	G				X					6										
well #9-08	GW	AM		X		2	G							X			7									

Sampled by (print): Adam Marshall Signature:

Relinquished by: Date: 10/16/08 Time: 1550
Received by: Date: 10/16/08 Time: 1550

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

Method of shipment: TestAmerica Laboratories

Cooler # 425 Temp @ receipt 2.6 / 1.6 °C

Preservation/pH checked

By: Date: 10/16/08

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Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

OCT 29 2008

ANALYTICAL REPORT

Job Number: 360-19375-1

Job Description: A 0308-7-03

For:
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Attention: Jeffery Thelen

Joseph A. Chimi

Approved for release.
Joe Chimi
Report Production Representative
10/28/08 2:37 PM

Designee for
Lisa A Worthington
Project Manager II
lisa.worthington@testamericainc.com
10/28/2008

The test results in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory.

TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY DOH 10843.

Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
360-J19375-1

Method 8270C: The surrogate Phenol-d5 recovered low and outside control limits for sample 360-19375-2 (14%) and 360-19375-4 (14%). Per method SOP, re-extraction is only required if two or more surrogates from any one fraction or any single surrogate falls below 10%.

Method 6010B: Batch 37517: The method blank for batch 37517 contained Selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-19375-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Semivolatile Organic Compounds by GCMS - Low Levels	TAL WFD	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)	TAL WFD		SW846 3510C
Metals (ICP)	TAL WFD	SW846 6010B	
Sample Filtration, Field	TAL WFD		FIELD_FLTRD
Metals (ICP/MS)	TAL WFD	SW846 6020	
Sample Filtration, Field	TAL WFD		FIELD_FLTRD
Mercury (CVAA)	TAL WFD	SW846 7470A	
Sample Filtration, Field	TAL WFD		FIELD_FLTRD
Preparation, Mercury	TAL WFD		SW846 7470A
Hardness, Calculation	TAL WFD	SM SM 2340B	
Lachat - Nitrate	TAL WFD	QuickChem 10-107-04-1-C	
Turbidity, Nephelometric	TAL WFD	MCAWW 180.1	
Anions, Ion Chromatography	TAL WFD	MCAWW 300.0	
COD	TAL WFD	MCAWW 410.4	
Total Cyanide (Automated Colorimetric]	TAL WFD	SW846 9012A	
Cyanide, Total and/or Amenable, Distillation	TAL WFD		SW846 9012A
Alkalinity	TAL WFD	SM SM 2320B	
Solids, Total Dissolved (TDS)	TAL WFD	SM SM 2540C	

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

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

QuickChem = Lachat Instruments

SM = "Standard Methods For The Examination Of Water And Wastewater",

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: 360-19375-1

Method	Analyst	Analyst ID
SW846 8270C	Zuccala, Marissa	MZ
SW846 6010B	Smith, Tim J	TJS
SW846 6020	Smith, Tim J	TJS
SW846 7470A	Nasiatka, Ellen M	EMN
SM SM 2340B	Smith, Tim J	TJS
QuickChem 10-107-04-1-C	Lalashius, Andrew L	ALL
MCAWW 180.1	Emerich, Rich W	RWE
MCAWW 300.0	Lalashius, Andrew L	ALL
MCAWW 410.4	Sadowski, Scott	SS
SW846 9012A	Lalashius, Andrew L	ALL
SM SM 2320B	Emerich, Rich W	RWE
SM SM 2540C	Sadowski, Scott	SS

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-19375-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-19375-1	WELL # 6-08	Ground Water	10/15/2008 1255	10/15/2008 1555
360-19375-2	WELL # 7-08	Ground Water	10/15/2008 1300	10/15/2008 1555
360-19375-4	WELL #10-08	Ground Water	10/15/2008 1035	10/15/2008 1555
360-19375-5	WELL #11-08	Ground Water	10/15/2008 1110	10/15/2008 1555

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

Job Number: 360-19375-1

Client Sample ID: WELL # 6-08
Lab Sample ID: 360-19375-1

Date Sampled: 10/15/2008 1255
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270C			Date Analyzed:		10/24/2008 1259	
Prep Method: 3510C			Date Prepared:		10/21/2008 1555	
1,4-Dioxane	0.24	J	ug/L	0.11	1.0	1.0
Surrogate					Acceptance Limits	
2,4,6-Tribromophenol	79		%		15 - 110	
2-Fluorobiphenyl	68		%		30 - 130	
2-Fluorophenol	26		%		15 - 110	
Nitrobenzene-d5	91		%		30 - 130	
Phenol-d5	15		%		15 - 110	
Terphenyl-d14	80		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/16/2008 1129	
Silver	0.92	J	ug/L	0.86	5.0	1.0
Barium	390		ug/L	0.25	10	1.0
Cadmium	0.48	J	ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	2.1	J	ug/L	1.6	10	1.0
Iron	20	J	ug/L	16	100	1.0
Manganese	3100		ug/L	0.33	10	1.0
Selenium	2.2	J B	ug/L	2.2	10	1.0
Zinc	51		ug/L	2.9	50	1.0
Sodium	39000		ug/L	65	2000	1.0
Calcium	37000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1526	
Arsenic	ND		ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1233	
Prep Method: 7470A			Date Prepared:		10/16/2008 0900	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/16/2008 1129	
Hardness as calcium carbonate	120		mg/L	0.15	2.6	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL # 6-08
Lab Sample ID: 360-19375-1

Date Sampled: 10/15/2008 1255
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 10-107-04-1-C		Date Analyzed:	10/16/2008 1144		
Nitrate as N	0.071	mg/L	0.050	0.050	1.0
Method: 180.1		Date Analyzed:	10/16/2008 0920		
Turbidity	100	NTU	0.10	0.10	1.0
Method: 300.0		Date Analyzed:	10/24/2008 2000		
Sulfate	13	mg/L	2.0	2.0	1.0
Method: 300.0		Date Analyzed:	10/24/2008 2015		
Chloride	72	mg/L	10	10	10
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	ND	mg/L	20	20	1.0
Method: 9012A		Date Analyzed:	10/24/2008 1627		
Prep Method: 9012A		Date Prepared:	10/24/2008 1338		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/16/2008 0957		
Alkalinity	86	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	230	mg/L	5.0	5.0	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL # 7-08
Lab Sample ID: 360-19375-2

Date Sampled: 10/15/2008 1300
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270C			Date Analyzed:		10/24/2008 1415	
Prep Method: 3510C			Date Prepared:		10/21/2008 1555	
1,4-Dioxane	ND		ug/L	0.11	1.0	1.0
Surrogate					Acceptance Limits	
2,4,6-Tribromophenol	72		%		15 - 110	
2-Fluorobiphenyl	58		%		30 - 130	
2-Fluorophenol	25		%		15 - 110	
Nitrobenzene-d5	75		%		30 - 130	
Phenol-d5	14	X	%		15 - 110	
Terphenyl-d14	63		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/16/2008 1132	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	29		ug/L	0.25	10	1.0
Cadmium	ND		ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	3.1	J	ug/L	1.6	10	1.0
Iron	310		ug/L	16	100	1.0
Manganese	170		ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	8.7	J	ug/L	2.9	50	1.0
Sodium	17000		ug/L	65	2000	1.0
Calcium	17000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1535	
Arsenic	0.68	J	ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1235	
Prep Method: 7470A			Date Prepared:		10/16/2008 0900	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/16/2008 1132	
Hardness as calcium carbonate	59		mg/L	0.15	2.6	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL # 7-08
Lab Sample ID: 360-19375-2

Date Sampled: 10/15/2008 1300
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 10-107-04-1-C		Date Analyzed:	10/16/2008 1147		
Nitrate as N	ND	mg/L	0.050	0.050	1.0
Method: 180.1		Date Analyzed:	10/16/2008 0921		
Turbidity	1000	NTU	1.0	1.0	10
Method: 300.0		Date Analyzed:	10/24/2008 2030		
Sulfate	17	mg/L	2.0	2.0	1.0
Chloride	4.3	mg/L	1.0	1.0	1.0
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	120	mg/L	40	40	2.0
Method: 9012A		Date Analyzed:	10/27/2008 1459		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/16/2008 0951		
Alkalinity	71	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	150	mg/L	5.0	5.0	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL #10-08
Lab Sample ID: 360-19375-4

Date Sampled: 10/15/2008 1035
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270C			Date Analyzed:		10/24/2008 1443	
Prep Method: 3510C			Date Prepared:		10/21/2008 1555	
1,4-Dioxane	ND		ug/L	0.11	1.0	1.0
Surrogate					Acceptance Limits	
2,4,6-Tribromophenol	80		%		15 - 110	
2-Fluorobiphenyl	61		%		30 - 130	
2-Fluorophenol	25		%		15 - 110	
Nitrobenzene-d5	79		%		30 - 130	
Phenol-d5	14	X	%		15 - 110	
Terphenyl-d14	69		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/16/2008 1135	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	340		ug/L	0.25	10	1.0
Cadmium	1.0		ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	ND		ug/L	1.6	10	1.0
Iron	50000		ug/L	16	100	1.0
Manganese	2100		ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	9.1	J	ug/L	2.9	50	1.0
Sodium	18000		ug/L	65	2000	1.0
Calcium	22000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1542	
Arsenic	20		ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1237	
Prep Method: 7470A			Date Prepared:		10/16/2008 0900	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/16/2008 1135	
Hardness as calcium carbonate	78		mg/L	0.15	2.6	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL #10-08
Lab Sample ID: 360-19375-4

Date Sampled: 10/15/2008 1035
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 10-107-04-1-C		Date Analyzed:	10/16/2008 1148		
Nitrate as N	ND	mg/L	0.050	0.050	1.0
Method: 180.1		Date Analyzed:	10/16/2008 0922		
Turbidity	240	NTU	0.10	0.10	1.0
Method: 300.0		Date Analyzed:	10/24/2008 2100		
Sulfate	12	mg/L	2.0	2.0	1.0
Chloride	32	mg/L	1.0	1.0	1.0
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	28	mg/L	20	20	1.0
Method: 9012A		Date Analyzed:	10/27/2008 1500		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/16/2008 0945		
Alkalinity	110	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	150	mg/L	5.0	5.0	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL #11-08
Lab Sample ID: 360-19375-5

Date Sampled: 10/15/2008 1110
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270C			Date Analyzed:		10/24/2008 1512	
Prep Method: 3510C			Date Prepared:		10/21/2008 1555	
1,4-Dioxane	ND		ug/L	0.11	1.0	1.0
Surrogate					Acceptance Limits	
2,4,6-Tribromophenol	67		%		15 - 110	
2-Fluorobiphenyl	64		%		30 - 130	
2-Fluorophenol	26		%		15 - 110	
Nitrobenzene-d5	83		%		30 - 130	
Phenol-d5	15		%		15 - 110	
Terphenyl-d14	71		%		30 - 130	
Method: Dissolved-6010B			Date Analyzed:		10/16/2008 1138	
Silver	ND		ug/L	0.86	5.0	1.0
Barium	78		ug/L	0.25	10	1.0
Cadmium	ND		ug/L	0.18	1.0	1.0
Chromium	ND		ug/L	0.17	5.0	1.0
Copper	2.9	J	ug/L	1.6	10	1.0
Iron	51	J	ug/L	16	100	1.0
Manganese	230		ug/L	0.33	10	1.0
Selenium	ND		ug/L	2.2	10	1.0
Zinc	5.7	J	ug/L	2.9	50	1.0
Sodium	25000		ug/L	65	2000	1.0
Calcium	14000		ug/L	27	400	1.0
Method: Dissolved-6020			Date Analyzed:		10/21/2008 1544	
Arsenic	1.8		ug/L	0.40	1.0	1.0
Lead	ND		ug/L	0.29	1.0	1.0
Method: Dissolved-7470A			Date Analyzed:		10/17/2008 1239	
Prep Method: 7470A			Date Prepared:		10/16/2008 0900	
Mercury	ND		ug/L	0.13	0.20	1.0
Method: SM 2340B			Date Analyzed:		10/16/2008 1138	
Hardness as calcium carbonate	53		mg/L	0.15	2.6	1.0

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

Job Number: 360-19375-1

Client Sample ID: WELL #11-08
Lab Sample ID: 360-19375-5

Date Sampled: 10/15/2008 1110
Date Received: 10/15/2008 1555
Client Matrix: Ground Water

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 10-107-04-1-C		Date Analyzed:	10/16/2008 1149		
Nitrate as N	2.0	mg/L	0.050	0.050	1.0
Method: 180.1		Date Analyzed:	10/16/2008 0923		
Turbidity	4000	NTU	2.0	2.0	20
Method: 300.0		Date Analyzed:	10/25/2008 0129		
Sulfate	9.6	mg/L	2.0	2.0	1.0
Chloride	35	mg/L	1.0	1.0	1.0
Method: 410.4		Date Analyzed:	10/22/2008 1533		
Chemical Oxygen Demand	170	mg/L	40	40	2.0
Method: 9012A		Date Analyzed:	10/27/2008 1501		
Prep Method: 9012A		Date Prepared:	10/27/2008 1144		
Cyanide, Total	ND	mg/L	0.0060	0.0060	1.0
Method: SM 2320B		Date Analyzed:	10/16/2008 0935		
Alkalinity	36	mg/L	1.0	1.0	1.0
Method: SM 2540C		Date Analyzed:	10/22/2008 1333		
Total Dissolved Solids	110	mg/L	5.0	5.0	1.0

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-19375-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	X	Surrogate exceeds the control limits
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-19375-1

Login Number: 19375
List Source: TestAmerica Westfield
Creator: Rinard, Kimberley A
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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.	True	1.0 C / 6.0 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.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Date: 10-15-08
Weather: SUNNY 60'S °F

Job Number: A0308-7-03
Sampling Location: AMHERST L.F.
Well No.: WELL# 11-08
Time Collected: 1110

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 16.96'
Depth of Water Table (from top of PVC standpipe): 5.55'
Length of Water Column: 11.41' feet

Purge Volume: LWC x (0.17) / 0.38 / 0.08 (circle one) x 3 = 5.8191 Volume Purged 6 GAL

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

Sampling Method:
Type of Bailer: Teflon X 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	—	Time Analyzed
6 GAL	5.88	233	15.05	4.19	—	1115

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
40mL vial	4	HCL/0.5mL	VOA 8260 + Acetone, MEK, MIBK	<2 10/16
AMBER LITER	2	CM-1,4 DIOXANE 4.0°C	1,4 DIOXANE	—

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size & Type: 0.45 micron Gelman

Date: 10-15-08 Time: 1115 By: CM

General Notes: PVC is 3" BELOW CASING
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C: } 10-15-08 CM
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

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BL-Field-014
9/21/07

SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Job Number: A0308-7-03
Sampling Location: OLD AMHERST L.F.
Well No.: WELL# 10-08
Date: 10-15-08
Time Collected: 1035
Weather: SUNNY 60'S°F

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 91.99'
Depth of Water Table (from top of PVC standpipe): 5.45'
Length of Water Column: 86.54 feet

Purge Volume: LWC x (0.17) / 0.38 / 0.08 (circle one) x 3 = 44.1354 Volume Purged 44 GAL

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

Sampling Method:
Type of Bailer: Teflon X 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	—	Time Analyzed
44 GAL	6.09	402	12.51	2.04	—	1037

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
~~40mL vial~~	~~4~~	~~HCL/0.5mL~~	~~VOA 8260 + Acetone, MEK, MIBK~~	~~<2~~
AMBER LITER	2	4.0°C	1,4 DIOXANE	—

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size & Type: 0.45 micron Gelman

Date: 10-15-08 Time: 1037 By: CM

General Notes: PVC is 3" BELOW CASING
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

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SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc. Job Number: A-308
53 Southampton Rd, Westfield, MA 01085 Sampling Location: OLD AMHERST L.F.
Contact: JJT
Collected By: AM/CM Well No.: WELL #B-08
Date: 10/15/08 Time Collected: 1255
Weather SUNNY 60'F

Water Table

Diameter of Well 2 inches
Well Depth (from top of PVC standpipe) 51.98'
Depth of Water Table (from top of PVC standpipe) 0'
Length of Water Column 51.98' feet

Purge Volume: LWC x (0.17) / 0.38 / 0.08 (circle one) x 3 = 26.5098 Volume Purged 26.5 GAL

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

Sampling Method:
Type of Bailer: Teflon X 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	—	Time Analyzed
26.5 GAL	6.01	464	11.51	1.52	—	1360

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide TAKEN 10/16	>12
~~40mL vial~~	~~4~~	~~HCL/0.5mL~~	~~VOA 8260 + Acetone, MEK, MIBK~~	<2
AMBER LITER	2	4.0°C	1,4 DIOXANE	—

If sample was taken for dissolved metals, were these samples field filtered? YES
Filter Pore Size
Date: 10/15/08 Time: 1300 By: CM & Type: 0.45 micron Gelman

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

* WATER WAS FLOWING OVER THE TOP OF PVC + STANDPIPE WHEN CAP WAS TAKEN OFF.

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SAMPLE COLLECTION DATA GROUND WATER

Client: Tighe & Bond, Inc.
53 Southampton Rd, Westfield, MA 01085
Contact: JJT
Collected By: AM/CM
Job Number: A-388
Sampling Location: OLD AMHERST L.F.
Well No.: MW#6-08
Date: 10/15/08
Time Collected: 1300
Weather: Sunny 60°F

Water Table

Diameter of Well: 2 inches
Well Depth (from top of PVC standpipe): 17.89'
Depth of Water Table (from top of PVC standpipe): 10.64'
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 3.6 GAL

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

Sampling Method:
Type of Bailer: Teflon X 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	—	Time Analyzed
3.6 GAL	6.82	183	13.32	2.22	—	1305

CONTAINERS & PRESERVATIVES

Type of Container	Number of Containers	Preservative Type/Amount	Analysis Required	Field pH
Plastic liter	1	6°C	Alk,NO3, TDS,CL, SO4	
500mL plastic	1	HNO3/2.5mL	D:Fe,Mn,As,Ba,Cd,Cr,Cu,Pb,Hg,Se,Ag,Zn	<2
250mL plastic	1	H2SO4/1mL	COD	<2
250mL plastic	1	NaOH/1mL	Total Cyanide	>12
~~40mL vial~~	~~4~~	~~HCL/0.5mL~~	~~VOA 8260 + Acetone, MEK, MIBK~~	~~<2~~
AMBER LITER	2	4.0°C	1,4 DIOXANE	—

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

Date: 10/15/08 Time: 1305 By: CM Filter Pore Size & Type: 0.45 micron Gelman

General Notes: PVC is
HACH pH meter Calibrated form 4.0/7.0/10.0 with buffers on:
YSI 85 Calibrated for Spec. Cond. To 1413 umhos/cm @25°C:
YSI 85 Calibrated for Diss Oxygen To 96.5% @1000' :

64

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360 19375

53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707

148 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871

Client: Tighe &Bond
Job#: A 0308-7-03
Address: 53 Southampton Rd.
Westfield, MA 01085
Project Manager:
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 ____

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. ~~VOA 8260 + MEK,MIBK,Acetone;~~ Xylenes LAW 0/4
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
WELL #6-08	GW	CM	10-15-08 1255	X										X												1
WELL #6-08	GW	CM		X		1	P							X										2		
WELL #6-08	GW	CM		X		1	P			X														3		
WELL #6-08	GW	CM		X		1	P					X														4
WELL #6-08	GW	CM		X		1	P		X														5			
WELL #6-08	GW	CM		X		4	G				X					6										
WELL #6-08	GW	CM		X		2	G							X			7									

Sampled by (print): CHARLIE MOON
Signature: Charlie Moon
Relinquished by: Charlie Moon Date: 10-15-08 Time: 1555
Received by: [signature] Date: 10/15/08 Time: 1555
Relinquished by: Date: Time:
Received by: Date: Time:
Method of shipment: TestAmerica Laboratories

Page 1 of 1

Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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(F) 413-572-3707

•148 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871

366 19375

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

Job#: A 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. ~~VOA 8260 + MEK,MIBK~~,Acetone; Xylenes 1NW 10/16
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
WELL#7-08	GW	CM	10-15-08 1300	X										X											1
WELL#7-08	GW	CM		X		1	P							X									2		
WELL#7-08	GW	CM		X		1	P			X													3		
WELL#7-08	GW	CM		X		1	P					X													4
WELL#7-08	GW	CM		X		1	P		X													5			
WELL#7-08	GW	CM		X		4	G				X				6										
WELL#7-08	GW	CM		X		2	G							X		7									
TRIP BLANKS	LW	CM	10-14-08																						

Sampled by (print): CHARLIE MOON
Signature: Charlie Moon

Relinquished by: Charlie Moon Date: 10/15/08 Time: 1555
Received by: [signature] Date: 10/15/08 Time: 1555

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

Method of shipment: TestAmerica Laboratories

Cooler #
Temp @ receipt
Preservation/pH checked
By: Date:

Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360-19375

•53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
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•148 Rangeway Road
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 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. ~~VOA 8260 + MEK,MIBK,Acetone;~~ Xylenes LAW 10/16
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
WELL#10-08	GW	CM	10/15/08 1035	X										X											1
WELL#10-08	GW	CM		X		1	P							X									2		
WELL#10-08	GW	CM		X		1	P			X													3		
WELL#10-08	GW	CM		X		1	P					X													4
WELL#10-08	GW	CM		X		1	P		X													5			
WELL#10-08	GW	CM		X		4	G				X				6										
WELL#10-08	GW	CM		X		2	G							X		7									

Sampled by (print): CHARLIE MOON
Signature: Charlie Moon

Relinquished by: Charlie Moon Date: 10/15/08 Time: 1555
Received by: [signature] Date: 10/15/08 Time: 1555

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

Method of shipment: TestAmerica Laboratories

Cooler #
Temp @ Cooler
Preservation/pH checked
By: Date:

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Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica Laboratories, Inc.
Chain of Custody Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

360-19375

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(F) 413-572-3707

•148 Rangeway Road
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 0308-7-03
Project Manager:
Work ID: Old Amherst LF
Contact: Jeff Thelen

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

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_fd
2. Alk,NO3-n,TDS,Cl,SO4,Turb
3. COD
4. T. Cyanide
5. Diss: As,Ba,Cd,Cr,Cu,Fe,Mn, Pb,Hg,Se,Ag,Zn,Na,Ca,Hardness
6. ~~VOA 8260 + MEK,MIBK,Acetone;~~ Xylenes
6. ID unknown peaks @ 2x baseline
7. 1,4-Dioxane

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
WELL#11-08	GW	CM	10-15-08 1110	X										X											1
WELL#11-08	GW	CM		X		1	P							X									2		
WELL#11-08	GW	CM		X		1	P			X													3		
WELL#11-08	GW	CM		X		1	P					X													4
WELL#11-08	GW	CM		X		1	P		X													5			
WELL#11-08	GW	CM		X		4	G				X				6										
WELL#11-08	GW	CM		X		2	G							X		7									

Sampled by (print): CHARLIE MOON
Signature: Charlie Moon

Relinquished by: Charlie Moon Date: 10/15/08 Time: 1555
Received by: [signature] Date: 10/15/08 Time: 1555

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

Method of shipment: TestAmerica Laboratories

Cooler #
Temp @ Receipt
Preservation pH checked
Date

Page 1 of 1

Q:/qaqc/dcontrol/SMF00500.MA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

OCT 22 2008

ANALYTICAL REPORT

Job Number: 360-19377-1

Job Description: A-308-7-03

For:
Tighe & Bond
53 Southampton Road
Westfield, MA 01085

Attention: Jeffery Thelen

Approved for release.
Joe Chimi
Report Production Representative
10/22/08 11:02 AM

Designee for
Lisa A Worthington
Project Manager II
lisa.worthington@testamericainc.com
10/22/2008

The test results in this report meet all NELAC requirements for accredited parameters. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced except in full, and with written approval from the laboratory.

TestAmerica Westfield Certifications and Approvals: MADEP MA014, RIDOH57, CTDPH 0494, VT DECWSD, NH DES 2539, NELAP FL E87912 TOX, NELAP NJ MA008 TOX, NELAP NY 10843, NY DOH 10843.

Field sampling is performed under SOPs WE-FLD-001 and WE-FLD-002.

TestAmerica Laboratories, Inc.
TestAmerica Westfield Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085
Tel (413) 572-4000 Fax (413) 572-3707 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

Job Narrative
360-J19377-1

Method 6010B: Batch 37535: The following samples were diluted 5X due to the presence of high concentration of the interfering element Iron: 360-19377-1, 360-19377-2, 360-19377-4, 360-19377-11, 360-19377-14 and 360-19377-16. Elevated reporting limits (RLs) are provided.

Method 7471A: Batch 37585: The method blank for prep batch 37505 contained Mercury above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

METHOD SUMMARY

Client: Tighe & Bond

Job Number: 360-19377-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL WFD	SW846 6010B	
Preparation, Metals	TAL WFD		SW846 3050B
Mercury (CVAA)	TAL WFD	SW846 7471A	
Preparation, Mercury	TAL WFD		SW846 7471A

Lab References:

TAL WFD = TestAmerica Westfield

Method References:

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: 360-19377-1

Method	Analyst	Analyst ID
SW846 6010B	Smith, Tim J	TJS
SW846 7471A	Nasiatka, Ellen M	EMN
EPA PercentMoisture	Nasiatka, Ellen M	EMN

SAMPLE SUMMARY

Client: Tighe & Bond

Job Number: 360-19377-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
360-19377-1	Sed-1	Solid	10/15/2008 1220	10/15/2008 1555
360-19377-2	Sed-1 A	Solid	10/15/2008 1230	10/15/2008 1555
360-19377-3	Sed-1 B	Solid	10/15/2008 1243	10/15/2008 1555
360-19377-4	Sed-1 C	Solid	10/15/2008 1255	10/15/2008 1555
360-19377-5	Sed-6 A	Solid	10/15/2008 0950	10/15/2008 1555
360-19377-6	Sed-6 B	Solid	10/15/2008 1000	10/15/2008 1555
360-19377-7	Sed-6 C	Solid	10/15/2008 1010	10/15/2008 1555
360-19377-8	Sed-6 D	Solid	10/15/2008 1025	10/15/2008 1555
360-19377-9	Sed-6 E	Solid	10/15/2008 1040	10/15/2008 1555
360-19377-10	Sed-6 F	Solid	10/15/2008 1055	10/15/2008 1555
360-19377-11	Sed-6 G	Solid	10/15/2008 1142	10/15/2008 1555
360-19377-12	Sed-6 H	Solid	10/15/2008 1153	10/15/2008 1555
360-19377-13	Sed-6 I	Solid	10/15/2008 1125	10/15/2008 1555
360-19377-14	Sed-6 J	Solid	10/15/2008 1118	10/15/2008 1555
360-19377-15	Sed-6 L	Solid	10/15/2008 1135	10/15/2008 1555
360-19377-16	Sed-6 K	Solid	10/15/2008 1105	10/15/2008 1555
360-19377-17	Sed-15	Solid	10/15/2008 1410	10/15/2008 1555
360-19377-18	Sed-15 A	Solid	10/15/2008 1400	10/15/2008 1555
360-19377-19	Sed-15 B	Solid	10/15/2008 1430	10/15/2008 1555

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

Job Number: 360-19377-1

Client Sample ID: Sed-1
Lab Sample ID: 360-19377-1

Date Sampled: 10/15/2008 1220
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 36

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1445	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	98	mg/Kg	1.4	18	5.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-1 A
Lab Sample ID: 360-19377-2

Date Sampled: 10/15/2008 1230
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 34

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1448	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	64	mg/Kg	1.3	16	5.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-1 B
Lab Sample ID: 360-19377-3

Date Sampled: 10/15/2008 1243
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 31

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1357	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	18	mg/Kg	0.28	3.4	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-1 C
Lab Sample ID: 360-19377-4

Date Sampled: 10/15/2008 1255
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 25

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1451	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	130	mg/Kg	1.8	22	5.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 A
Lab Sample ID: 360-19377-5

Date Sampled: 10/15/2008 0950
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 43

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1403	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	6.6	mg/Kg	0.25	3.1	1.0
Cadmium	0.95	mg/Kg	0.013	0.61	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 B
Lab Sample ID: 360-19377-6

Date Sampled: 10/15/2008 1000
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 15

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1406	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	18	mg/Kg	0.57	7.0	1.0
Cadmium	1.7	mg/Kg	0.030	1.4	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 C
Lab Sample ID: 360-19377-7

Date Sampled: 10/15/2008 1010
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 49

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:		10/16/2008 1409	
Prep Method: 3050B			Date Prepared:		10/16/2008 0741	
Arsenic	1.6	J	mg/Kg	0.21	2.6	1.0
Cadmium	0.51	J	mg/Kg	0.011	0.51	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 D
Lab Sample ID: 360-19377-8

Date Sampled: 10/15/2008 1025
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 28

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:		10/16/2008 1412	
Prep Method: 3050B			Date Prepared:		10/16/2008 0741	
Arsenic	1.9	J	mg/Kg	0.28	3.5	1.0
Cadmium	0.50	J	mg/Kg	0.015	0.70	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 E
Lab Sample ID: 360-19377-9

Date Sampled: 10/15/2008 1040
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 37

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1414	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	4.6	mg/Kg	0.24	2.9	1.0
Cadmium	0.97	mg/Kg	0.013	0.58	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 F
Lab Sample ID: 360-19377-10

Date Sampled: 10/15/2008 1055
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 30

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1417	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	11	mg/Kg	0.34	4.1	1.0
Cadmium	0.98	mg/Kg	0.018	0.83	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 G
Lab Sample ID: 360-19377-11

Date Sampled: 10/15/2008 1142
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 66

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:		10/16/2008 1454	
Prep Method: 3050B			Date Prepared:		10/16/2008 0741	
Arsenic	15		mg/Kg	0.67	8.3	5.0
Cadmium	1.5	J	mg/Kg	0.036	1.7	5.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 H
Lab Sample ID: 360-19377-12

Date Sampled: 10/15/2008 1153
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 49

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:		10/16/2008 1429	
Prep Method: 3050B			Date Prepared:		10/16/2008 0741	
Arsenic	2.5		mg/Kg	0.17	2.1	1.0
Cadmium	0.33	J	mg/Kg	0.0092	0.43	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 I
Lab Sample ID: 360-19377-13

Date Sampled: 10/15/2008 1125
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 39

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:		10/16/2008 1432	
Prep Method: 3050B			Date Prepared:		10/16/2008 0741	
Arsenic	2.1	J	mg/Kg	0.23	2.9	1.0
Cadmium	0.40	J	mg/Kg	0.012	0.58	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 J
Lab Sample ID: 360-19377-14

Date Sampled: 10/15/2008 1118
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 23

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 6010B			Date Analyzed:		10/16/2008 1457	
Prep Method: 3050B			Date Prepared:		10/16/2008 0741	
Arsenic	23	J	mg/Kg	2.0	24	5.0
Cadmium	4.5	J	mg/Kg	0.10	4.8	5.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 L
Lab Sample ID: 360-19377-15

Date Sampled: 10/15/2008 1135
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 17

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1438	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	30	mg/Kg	0.47	5.9	1.0
Cadmium	1.9	mg/Kg	0.025	1.2	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-6 K
Lab Sample ID: 360-19377-16

Date Sampled: 10/15/2008 1105
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 15

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Method: 6010B		Date Analyzed:		10/16/2008 1508	
Prep Method: 3050B		Date Prepared:		10/16/2008 0741	
Arsenic	260	mg/Kg	3.1	38	5.0
Cadmium	11	mg/Kg	0.17	7.7	5.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-15
Lab Sample ID: 360-19377-17

Date Sampled: 10/15/2008 1410
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 23

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 7471A			Date Analyzed:		10/17/2008 1358	
Prep Method: 7471A			Date Prepared:		10/16/2008 1027	
Mercury	0.31	J B	mg/Kg	0.17	0.37	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-15 A
Lab Sample ID: 360-19377-18

Date Sampled: 10/15/2008 1400
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 20

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 7471A			Date Analyzed:		10/17/2008 1400	
Prep Method: 7471A			Date Prepared:		10/16/2008 1027	
Mercury	0.34	B	mg/Kg	0.15	0.34	1.0

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

Job Number: 360-19377-1

Client Sample ID: Sed-15 B
Lab Sample ID: 360-19377-19

Date Sampled: 10/15/2008 1430
Date Received: 10/15/2008 1555
Client Matrix: Solid
Percent Solids: 17

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 7471A			Date Analyzed:		10/17/2008 1402	
Prep Method: 7471A			Date Prepared:		10/16/2008 1027	
Mercury	0.50	B	mg/Kg	0.17	0.38	1.0

DATA REPORTING QUALIFIERS

Client: Tighe & Bond

Job Number: 360-19377-1

Lab Section	Qualifier	Description
Metals		
	B	Compound was found in the blank and sample.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Login Sample Receipt Check List

Client: Tighe & Bond

Job Number: 360-19377-1

Login Number: 19377
Creator: Rinard, Kimberley A
List Number: 1

List Source: TestAmerica Westfield

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
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.	True	1.0 C / 6.0 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.	N/A	
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: SOILS AND SOLIDS

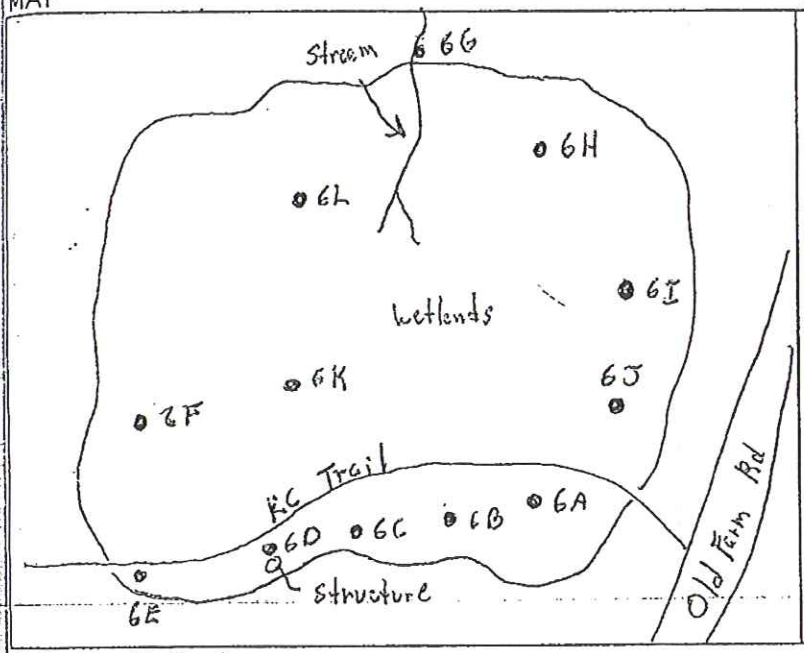
Client: Tighe & Bond
Westfield, MA
Contact: JST

Job #/ Project Manager A-308
Collector Signature :
Location: Sed-6A

Date: 10/15/08 Time: 0950 Weather: Sunny 60°F

Site Descrip.:

MAP



COMMENTS

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
_✓_ Grab

Depth (s)

Sample Container	Analysis Requested
40z Amber jar (1)	T. As, Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

080
010080

Client: TIGHE + BOND
WESTFIELD MA

Job #/ Project Manager A-308

Collector Signature :

Contact: JJT

Location: SED-6B

Date: 10/15/08

Time: 1000

Weather: SUNNY 60'F

Site Descrip.:

MAP

See page 079 for map.

COMMENTS

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___Composite
_✓_Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. As. + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE + BOND WESTFIELD MA
Job #/ Project Manager: A-308
Collector Signature :
Contact: JJT
Location: SED-6C
Date: 10/15/08
Time: 1010
Weather: SUNNY 60°F
Site Descrip.:

MAP

See page 079 for map

COMMENTS

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
_✓_ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE + BOND
WESTFIELD MA
Contact: JJT

Job #/ Project Manager A-308
Collector Signature :
Location: SED-6D

Date: 10/15/08 Time: 1025 Weather: SUNNY 60'F

Site Descrip.:

MAP

COMMENTS

See page 079 for map.

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ____ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. AS + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

083

Client: TIGHE + BOND
WESTFIELD MA

Job #/ Project Manager A-308 010083

Collector Signature :

Contact: JJT

Location: SED-6E

Date: 10/15/08 Time: 1040 Weather: SUNNY 60'F

Site Descrip.:

MAP

See page 079 for map.

COMMENTS

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___Composite
_✓_Grab

Depth (s)

Sample Container

4 oz AMBER JAR (1)

Analysis Requested

T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE & BOND — Job #/ Project Manager: A-308

WESTFIELD MA — Collector Signature :

Contact: JJT — Location: SED-6F

Date: 10/15/08 — Time: 1055 — Weather: SUNNY 60°F

Site Descrip.:

MAP	COMMENTS
See page 079 for map.	

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓

Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite

✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. As. + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE + BOND
WESTFIELD MA
Contact: JJT

Job #/ Project Manager A-308 010085
Collector Signature :
Location: SED-6G

Date: 10/15/08 Time: 1142 Weather: SUNNY 60°F

Site Descrip.:

MAP	COMMENTS
See page 079 for map.	

Collection Method

Equipment: Hand Auger ___ Plastic Scoop ___ Stan Steel Scoop ✓
Coliwasa ___ Thief ___ Other ___

Equipment Decontamination: Organics ✓ Metals ✓ Biological ___

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

086
010086

Client: TIGHE & BOND
WESTFIELD MA
Contact: JJT

Job #/ Project Manager: A-308
Collector Signature :
Location: SED-6H

Date: 10/15/08 Time: 1153 Weather: SUNNY 60'F

Site Descrip.:

MAP

COMMENTS

See page 079 for map.

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (G)	T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE & BOND WESTFIELD MA
Job #/ Project Manager: A-308 010087
Collector Signature :
Contact: JJT
Location: SED-6I

Date: 10/15/08 Time: 1125 Weather: SUNNY 60'F

Site Descrip.:

MAP	COMMENTS
See page 079 for map.	

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. As + Cd

088

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

010088

Client: TIGHE + BOND WESTFIELD MA

Job #/ Project Manager: A-308

Collector Signature :

Contact: JJT

Location: SED-6J

Date: 10/15/08 Time: 1118 Weather: SUNNY 60'F

Site Descrip.:

MAP	COMMENTS
See page 079 for map.	

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4oz AMBER JAR (1)	T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

010089

Client: TIGHE+BOND
WESTFIELD MA

Job #/ Project Manager A-308

Collector Signature :

Contact: JJT

Location: SED-6K

Date: 10/15/08 Time: 1105 Weather: SUNNY 60'F

Site Descrip.:

MAP	COMMENTS
See page 079 for map.	

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE + BOND — Job #/ Project Manager: A-308

WESTFIELD MA — Collector Signature :

Contact: JJT — Location: SED-6L

Date: 10/15/08 — Time: 1135 — Weather: SUNNY 60'F

Site Descrip.:

MAP	COMMENTS
See page 079 for map.	

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4oz. AMBER JAR (1)	T. As + Cd

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

091

010091

Client: Tisher Bank
Westfield, Ma

Job #/ Project Manager A-308

Collector Signature :

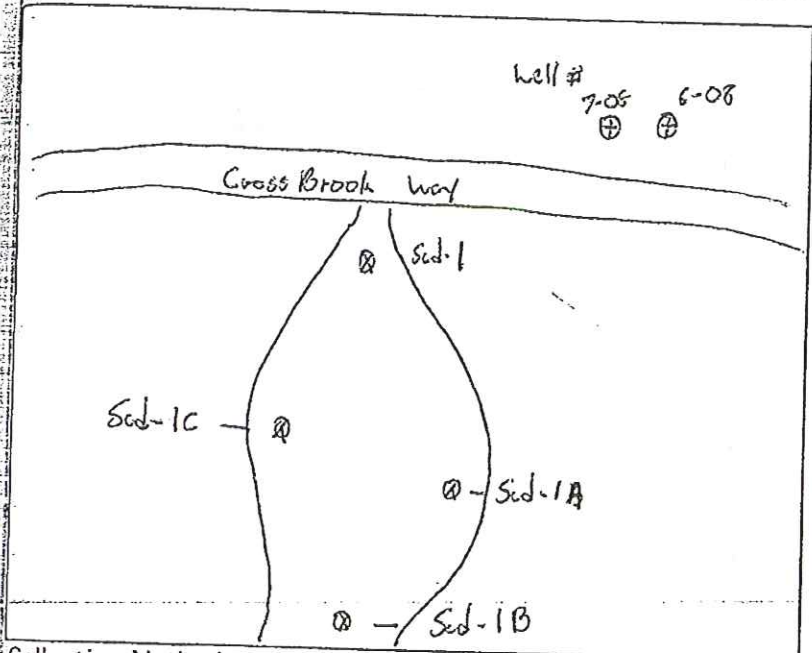
Contact: JST

Location: Sed-1

Date: 10/15/08 Time: 1220 Weather: Sunny 60's F

Site Descrip.:

MAP



COMMENTS

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ✓ Metals ✓ Biological ____

Sampl Type: ___ Composite
__✓ Grab

Depth (s)

Sample Container	Analysis Requested
(1) 4oz. Amber jar	T. As

092

010092

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: Tighe Bond
Westfield, MA
Contact: JST

Job #/ Project Manager A-306
Collector Signature :
Location: Sed-1A

Date: 10/5/08 Time: 1230 Weather: Sunny 60's F

Site Descrip.:

MAP

COMMENTS

* See page 091 for map of sampling locations

Collection Method

Equipment: Hand Auger ___ Plastic Scoop ___ Stan Steel Scoop ✓
Coliwasa ___ Thief ___ Other ___

Equipment Decontamination: Organics ___ Metals ✓ Biological ___

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container

(1) 4oz Amber jar

Analysis Requested

T. As

093
010093

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: Tighe & Bond
Westfield, Ma
Contact: JST

Job #/ Project Manager A-308
Collector Signature :
Location: Sed-1B

Date: 10/15/08 Time: 1243 Weather: Sunny 60's P

Site Descrip.:

MAP

COMMENTS

→ See page 091 for map of sampling locations.

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ____ Metals ✓ Biological ____

Sampl Type: ___ Composite
_✓_ Grab

Depth (s)

Sample Container

(1) 4oz Amber jar

Analysis Requested

T. As

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

094
010094

Client: Tighe + Bond
53 Southampton Rd
Contact: JST

Job #/ Project Manager A-308
Collector Signature :
Location: Sed-1C

Date: 10/15/08 Time: 1255 Weather: Sunny 70°F

Site Descrip.:

MAP

COMMENTS

* See page 041 for map of sampling locations.

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ____ Metals ✓ Biological ____

Sampl Type: ___ Composite
__✓ Grab

Depth (s)

Sample Container	Analysis Requested
(1) 4oz Amber jar	T. As

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

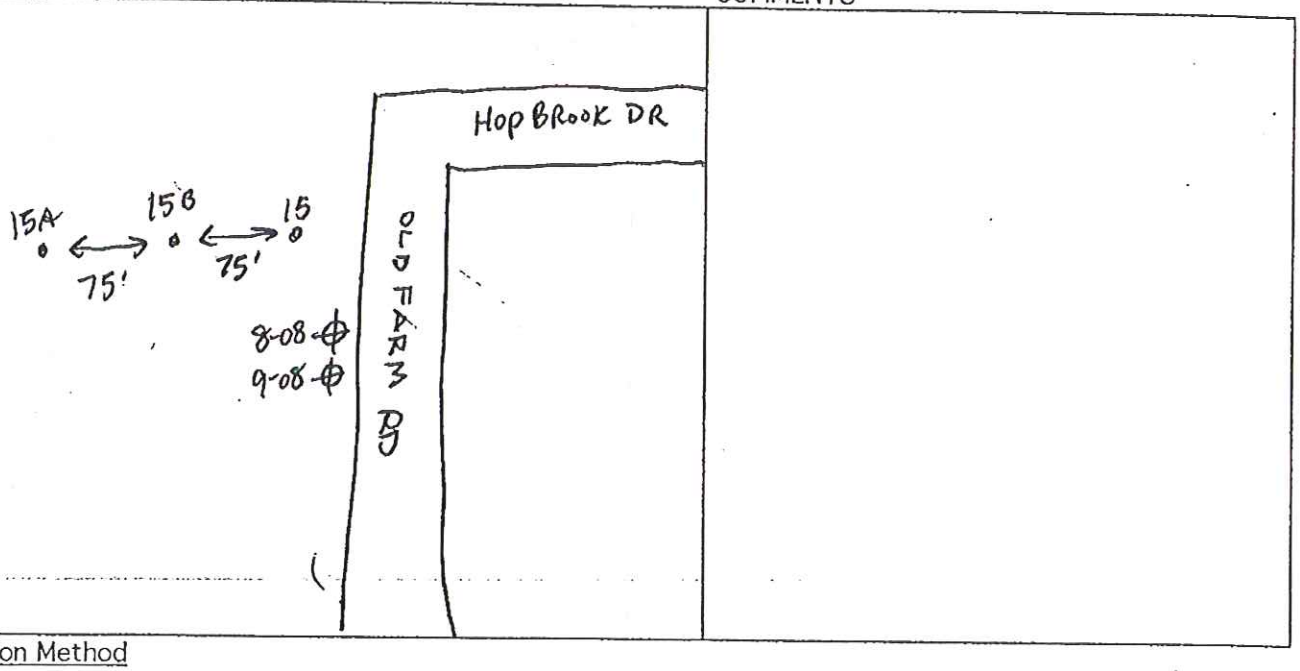
Client: TIGHE + BOND
WESTFIELD MA
Contact: JJT

Job #/ Project Manager A-308 010095
Collector Signature :
Location: SED-15

Date: 10/15/08 Time: 1410 Weather: Sunny 60°F

Site Descrip.:

MAP



COMMENTS

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ____ Metals ✓ Biological ____

Sampl Type: ___ Composite
✓ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	Hg

096
010096

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

Client: TIGHE + BOND WESTFIELD MA
Job #/ Project Manager: A-308
Collector Signature: Charles Moon
Contact: JJT
Location: SED-15A
Date: 10/15/08
Time:
Weather: SUNNY 60°F
Site Descrip.:

MAP

COMMENTS

SEE PAGE 95 FOR MAP

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ____ Metals ✓ Biological ____

Sampl Type: ___ Composite
_✓_ Grab

Depth (s)

Sample Container	Analysis Requested
4 oz AMBER JAR (1)	Hg

SAMPLE COLLECTION DATA: SOILS AND SOLIDS

097

Client: TIGHE + BOND
WESTFIELD MA

Job #/ Project Manager A-308 010097

Contact: JJT

Collector Signature :

Location: SED-15B

Date: 10-15-08 Time: 1430 Weather: SUNNY 60°F

Site Descrip.:

MAP

COMMENTS

SEE PAGE 95 FOR MAP

Collection Method

Equipment: Hand Auger ____ Plastic Scoop ____ Stan Steel Scoop ✓
Coliwasa ____ Thief ____ Other ____

Equipment Decontamination: Organics ____ Metals ✓ Biological ____

Sampl Type: ___ Composite
_✓_ Grab

Depth (s)

Sample Container

4 oz AMBER JAR (1)

Analysis Requested

Hg

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Form

005387

•53 Southampton Road, Westfield, MA 01085, (P) 413-572-4000, (F) 413-572-3707, Westfield
•148 Rangeway Road, N. Billerica, MA 01862, (P) 978-667-1400, (F) 978-667-7871, Boston - Service Center

Client: Tighe + Bond | Client Project #: A-308-7-03 | Job# 360-19377 | Quote# | PO#

Address: 53 Southampton Rd, Westfield Ma 01085 | Site ID & State: Old Amherst LF - Mass | Shaded areas for office use

Reports Sent To: Jeff Thelen | Invoice same as Report to? ☐ | Comments (Special Instructions)

Phone: 413-562-1600 Fax: | Email: | Email Rpt: ☐ | If invoice contact or address different, note in Comments

Requested Turnaround Time (PLEASE SPECIFY)

STANDARD _____ RUSH _____ (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms

MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
QA Rpt: No QC ☐ Std QC Rpt ☐ CLP ☐

500-series for drinking water
600-series for waste water-NPDES
8000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids, "Z"- Other (please specify)

Sample I.D.	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 >12	Na2S2O3	None / 4° C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
Sed-1	S	AM	10/15/08 1220	X		1	G							X						3.		4.		
Sed-1A	S	AM	10/15/08 1230	X		1	G							X						3.		4.		
Sed-1B	S	AM	10/15/08 1243	X		1	G							X						3.		4.		
Sed-1C	S	AM	10/15/08 1255	X		1	G							X						2.		4.		
Sed-6A	S	AM	10/15/08 0950	X		1	G							X						1.		4		
Sed-6B	S	AM	10/15/08 1000	X		1	G							X						1.		4		
Sed-6C	S	AM	10/15/08 1010	X		1	G							X						1.		4		
Sed-6D	S	AM	10/15/08 1025	X		1	G							X						1.		4		
Sed-6E	S	AM	10/15/08 1040	X		1	G							X						1.		4		
Sed-6F	S	AM	10/15/08 1055	X		1	G							X						1.		4		

Comments:
1. T. As, Cd
2. T. As
3. Hg
4. % solids

Sampled by (print): Adam Marchell | Signature:

Cooler ? (Y) / N | MADEP Requirement Samples Iced? (Y) / N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
	10/15/08	1555		10/15/08	1555
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

Temp @ receipt: 1.0°C | 6.0°C °C

Preservation / pH checked? Y / N

By: _____ Date: 10/15/08

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy

WI-QA-010-REV 4A

TAL-8245-360 (0408)

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Chain of Custody Form

005388

53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
Westfield

•145 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871
Boston - Service Center

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

Client Project #: A-308-7-03
Site ID & State: Old Amherst LF - Mass
Reports Sent To: Jeff Thelen
Email: Email Rpt: ☐

Job# 360-19377 Quote# PO#

Shaded areas for office use
Invoice same as Report to? ☐
If invoice contact or address different, note in Comments

Comments (Special Instructions)

Please print legibly. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

Requested Turnaround Time (PLEASE SPECIFY)
STANDARD ____ RUSH ____ (Lab Approval Required)

Regulatory Programs/Presumptive Certainty/QC Forms
MADEP MCP ☐ GW1/S1 ☐ PWS DEP Forms ☐
CTDEP RCP ☐ CT RSR ☐ EDD Required ☐
QA Rpt: No QC ☐ Std QC Rpt ☐ CLP ☐

500-series for drinking water
600-series for waste water, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Sample Type Codes: WW-Wastewater, DW-Drinking Water, SW-Surface Water, GW-Groundwater, LW Lab Water, A-Air, S-Solids, "Z"- Other (please specify)

Sample I.D.	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 >12	Na2S2O3	None / 4°C	524 / 624 / 8260	525 / 625 / 8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals (Please Specify)	Mercury	General Chemistry	Bacteriological	Toxicity
Sed-6G	S	AM	10/15/08 1142	X		1	G							X						1.		4		
Sed-6H	S	AM	10/15/08 1153	X		1	G							X						1.		4		
Sed-6I	S	AM	10/15/08 1125	X		1	G							X						1.		4		
Sed-6J	S	AM	10/15/08 1118	X		1	G							X						1.		4		
Sed-6L	S	AM	10/15/08 1135	X		1	G							X						1.		4		
Sed-6K	S	AM	10/15/08 1105	X		1	G							X						1.		4		
Sed-15	S	AM	10/15/08 1410	X		1	G							X						3.		4		
Sed-15A	S	AM	10/15/08 1400	X		1	G							X						3.		4		
Sed-15B	S	AM	10/15/08 1430	X		1	G							X						3.		4		

Comments:
1. T. As, Cd
2. T. As
3. Hg
4. % solids

Sampled by (print): Adam Marshall Signature:

Relinquished by: Date: 10/15/08 Time: 1555 Received by: Date: 10/15/08 Time: 1555
Relinquished by: Date: Time: Received by: Date: Time:
Relinquished by: Date: Time: Received by: Date: Time:

Cooler? (Y) / N MADEP Requirement Samples Iced? (Y) / N
Temp @ receipt: 1.0°C | 6.0°C °C
Preservation / pH checked? Y / (N)
By: VM Date: 10/15/08

WESTFIELD

White = Lab file Yellow = Report copy Pink = Customer copy